



SUPER SOURCEBOOK

LIST PRICE CATALOG

**PLASTIC FITTINGS,
VALVES, PIPE & CEMENT**



Visit our web site:
www.spearsmfg.com

**ALL PRODUCTS MADE BY
SPEARS® MANUFACTURING COMPANY IN THE U.S.A.
FOR ALL YOUR PLASTIC PIPING NEEDS**

SSB-1-1011



Spears® Super Sourcebook

Your One-Stop Source For Plastic Fittings, Valves, Pipe & Cement

Welcome to...

Spears® SUPER SOURCEBOOK List Price Catalog - a comprehensive listing of all Spears® Plastic Fittings, Valves, Pipe & Cement catalogued product for all your plastic piping needs. This catalog groups common categories of product and related accessories for convenient use and versatility in finding the products you need. As a result, certain products may appear in multiple categories. For example, various PVC Valves grouped with Schedule 80 PVC Fittings, CPVC Valves grouped with Schedule 80 CPVC Fittings, and both PVC and CPVC Valves being separately listed under Thermoplastic Valves. Take a few minutes to peruse the Table of Content for an over view of organization and content.

Convenient "Tab Locator" page lets you quickly thumb to each category matching shaded tabs in the outer margin of each page.

Spears® Part Number Index allows quick page number location for Spears® standard catalogued parts. Simply look up known part number in the numerical index to find designated page on which the part can be found. Please note, certain special and custom parts are not catalogued.

Applicable Discounts are available to Spears® qualified stocking wholesale distributors. Products are sold only through authorized distributors. The following Pages III and IV provides applicable Discount Codes in numerical order for product included in this catalog. A blank space is provided after each for recording applicable discounts. Contact your servicing Spears® Regional Distribution Center for applicable discounts.

Spears® On-line Catalog is updated daily and can be accessed to verify pricing and check for any changes or adjustments that may occur between catalog publications, see new product announcements, obtain installation data and review a host of technical information on Spears® product lines. Spears® On-line Catalog can be downloaded to your personal computer for added convenience. Visit our website at:

www.spearsmfg.com

All Products in this Catalog are Made by Spears® Manufacturing Company in the U.S.A.

Additional Spears® Service Features

9 Regional Distribution Centers for Immediate Shipment

In by Noon - Out Same Day • Highest Complete Shipping Percentage
• Customized Inventory and Shipping for Specific Customer Needs

Customer-Friendly Freight Policies

No Broken Box Charge • Low Freight Charge on Total Invoice •
Combine Products for Optimum Prepaid Freight Levels

EDI Service (Electronic Data Interchange)

Automated Order Transmission • Advanced Shipping Notice •
Electronic Invoicing

VMI Service (Vendor Managed Inventory)

Automated Direct Computer Inventory Replenish System

In-House Technical Service Department

Professional Problem Solving Assistance for Product Use
and Application

Product Seminars

Conveniently Arranged for Distributors • Contractors • Engineers

Specification Aids

Product Data Sheets • Engineering Specifications • Dimensional Data

Piping System Layout Software

Autocad Program for System Layout and Product Selection

Individual Barcoded Fittings and Valves

Including Box and Pallet Labeling for Rapid Electronic Inventory Control

Private Labeling/Packaging/Barcoding

For Qualified, Volume Resellers & O.E.M.'s

E-Commerce Internet Access

Convenient Order and Account Management To Registered Customers

Spears® Regional Distribution Centers

SPEARS® MANUFACTURING COMPANY • CORPORATE OFFICE
15853 Olden St., Sylmar, CA 91342 • PO Box 9203, Sylmar, CA 91392
(818) 364-1611 • www.spearsmfg.com

TAB LOCATOR

Convenient "Tab Locator" page lets you quickly thumb to each category matching shaded tabs in the outer margin of each page.

Schedule 40 Fittings & Accessories	1-82
Turf & Irrigation	83-154
Barbed Insert Fittings	155-159
Nipples	160-164
Schedule 80 PVC Industrial Products & Accessories	165-252
Schedule 80 CPVC Industrial Products & Accessories	253-325
Transition Fittings & Adapters	326-343
Polypropylene Fittings & Accessories	344-352
Thermoplastic Valves	353-447
Actuated Valves	448-488
Strainers & Filters	489-507
Expansion Joints	508-514
DWV	515-537
CTS CPVC Hot & Cold Water Distribution System	538-542
High Purity PVC System	543-550
LabWaste™ CPVC Corrosive Waste Drainage System	551-566
Lab Specialty Products	567-574
Fume & Air Duct	575-583
Double Containment	584-607
Fabricated Fittings	608-661
Metric Fittings & Valves	662-685
Pipe	686-691
Solvent Cements & Thread Sealants	692-705
FlameGuard® CPVC Fire Sprinkler Products	706-713
Part Number Index	714-774



Schedule 40 Fittings & Accessories	1
Low VOC Solvent Cements & Primers	1
Spears® Low VOC Solvent Cements & Primers	1
PVC Low VOC Cements	2
Low VOC Solvent Primers & Cleaners	4
PVC Schedule 40 Fittings	5
Tees	5
90° Ells	7
Non 90° Ells	9
Wyes	11
Crosses	12
Couplings	13
Adapters	15
Riser Extension	17
Reducer Bushings	17
Caps	18
Plugs	19
Unions	19
Glue-on Saddles	20
Clamp-On & Hot-Tap Saddles	22
Mechanical Clamp-On Transition Saddles	29
Schedule 40 Tank Adapters	30
PVC White Schedule 40 - Hard to Find Configurations - Pool & Spa Specialties	31
Pool & Spa Fittings	31
True Union 2000 Standard Ball Valve - PVC White	32
PVC Pool Butterfly Valves	33
UVR Schedule 40 Fittings	34
UVR Sch 40 Fittings	34
PVC Gray Schedule 40 Fittings	36
PVC Gray Sch 40 Fittings	36
PVC Black Schedule 40 Fittings	40
PVC Black Schedule 40 Fittings	40
PVC Clear Schedule 40 Pipe & Fittings	42
PVC Clear Sch 40 Pipe & Fittings	42
Compression & Repair Fittings	44
Schedule 40 Repair Fittings	44
Repair Couplings	45
Short Repair Couplings	46
Compression Couplings	47
Compression Male Adapters	49
Irrigation & Hose Filters	50
Filters	50
Reverse Flow Filters	51
In-line Tee Style Filters and Reverse In-line Tee Style Filters	53
Hose Filters	55
PVC Irrigation Specialty Products	57
• Hose Fittings • Solvent Weld For Flexible PVC Hose	57
• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose	57
Hose Adapters	58
Irrigation Accessories	59
Sprinkler Accessories	59
Dri-Splice Wire Connectors	61
PVC Irrigation Manifold Systems	62
High Strength 1" Manifold Systems	63
Turf Swivel Joints	64
Turf Swivel Kits	65
Turf Swivel Joints	66



Spears® Super Sourcebook TABLE OF CONTENTS

Compact Turf Swivel Joints	66
Pressure Regulated Swivel Joints	68
Turf Swivel Joint Replacement Parts	68
Pipe Flanges	70
Pipe Flanges	70
Flange Bolt Kits	72
Full-Faced Flange Gaskets	73
Ball Valves	75
True Union 2000 Standard Ball Valve - PVC White	75
True Union 2000 Standard Ball Valves	75
CWV Ball Valves	77
Utility Ball Valves	77
Single Entry Ball Valves	78
Electro Actuated True Union 2000 Standard Ball Valve	79
Electro Actuated Compact 2000 Ball Valve	79
Check Valves	80
Utility Swing Check Valves	80
True Union Utility Swing Check Valves	80
Compression Utility Swing Check Valves	81
Utility Spring Check Valves	81
True Union Utility Spring Check Valves	82
PVC In-line Adjustable Spring Check Valves	82
Turf & Irrigation	83
EverTUFF® TURF™ Fittings For Golf Course & Turf Applications	83
EverTUFF® TURF™ PVC Tees	83
EverTUFF® TURF™ PVC Elbows	83
EverTUFF® TURF™ PVC Couplings	83
EverTUFF® TURF™ PVC Special Reinforced Female Adapters	83
EverTUFF® TURF™ PVC Male Adapters	83
EverTUFF® TURF™ PVC Reducer Bushings	84
EverTUFF® TURF™ CPVC Tees	84
EverTUFF® TURF™ CPVC Elbows	84
EverTUFF® TURF™ CPVC Couplings	84
EverTUFF® TURF™ CPVC Special Reinforced Female Adapters	84
EverTUFF® TURF™ CPVC Male Adapters	84
EverTUFF® TURF™ CPVC Reducer Bushings	84
EverTUFF® TURF™ Mechanical Clamp-on Transition Saddles	85
EverTUFF® TURF™ Mechanical Clamp-on Transition Saddles	85
EverTUFF® TURF™ Swing Joint Riser Assemblies	86
EverTUFF® TURF™ Swing Joint Riser Assemblies	88
Turf Swivel Joints	94
Turf Swivel Kits	95
Turf Swivel Joints	96
Compact Turf Swivel Joints	96
Pressure Regulated Swivel Joints	98
Turf Swivel Joint Replacement Parts	98
PVC Irrigation Manifold Systems	100
High Strength 1" Manifold Systems	101
Four-In-One • Cut-Off Nipples	102
Four-In-One • Cut-Off Nipples	102
PVC Irrigation Specialty Products	103
• Hose Fittings • Solvent Weld For Flexible PVC Hose	103
• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose	103
Irrigation Accessories	104
Hose Adapters	105
Sprinkler Accessories	106
Dri-Splice Wire Connectors	107



Filters	108
Reverse Flow Filters	109
In-line Tee Style Filters and Reverse In-line Tee Style Filters	111
Hose Filters	113
PVC Low Head PIP Fabricated Fittings, Risers & Accessories	115
Couplings	115
Non 90° Ells	115
90° Ells	115
Reducer Bushings	115
Adapters	115
Glue-on Saddles	116
Caps	117
Tees	117
Crosses	118
Riser Extension	118
Wyes	119
DISTRIBUTING GATE RISER	120
RITE FLO RISER	120
DISTRIBUTING GATE REPAIR UNIT	120
RITE FLO RISER REPAIR UNIT	120
PVC 80, 100 & 125 PSI PIP Fabricated Fittings	126
Tees	126
90° Ells	129
Non 90° Ells	130
Couplings	132
Reducer Couplings	133
Crosses	135
Wyes	137
Surface Reducers	138
Stub Surface Reducers	138
Caps	139
Glue-on Saddles	139
Pipe Flanges	140
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125	141
Tees	141
90° Ells	145
Non 90° Ells	145
Couplings	148
Reducer Couplings	149
Crosses	150
Surface Reducers	151
Caps	152
Glue-on Saddles	152
Class 125 Molded Fittings	154
Barbed Insert Fittings	155
Barbed Insert Fittings	155
Insert Fittings	156
Nipples	160
PVC, CPVC & PE Nipples	160
PVC, CPVC & PE Nipples	160
Four-In-One • Cut-Off Nipples	164
Four-In-One • Cut-Off Nipples	164



Schedule 80 PVC Industrial Products & Accessories	165
Industrial Pipe	165
Schedule 80 PVC Industrial Pipe	165
Low VOC Solvent Cements & Primers	166
Spears® Low VOC Solvent Cements & Primers	166
PVC Low VOC Cements	167
CPVC Low VOC Cements	168
Low VOC Solvent Primers & Cleaners	169
PVC Schedule 80 Fittings	170
Tees	170
90° Ells	172
Non 90° Ells	173
Wyes	175
Crosses	177
Couplings	177
Adapters	180
Reducer Bushings	181
Caps	183
Plugs	183
Unions	184
Clamp-On & Hot-Tap Saddles	188
Mechanical Clamp-On Transition Saddles	196
Tank Adapters	197
Expansion Joints	200
Pipe Flanges	201
Van Stone Style Flange Replacement Split Rings	204
Flange Insulating Joints	205
Flange Bolt Kits	205
Full-Faced Flange Gaskets	206
PVC Compression & Repair Fittings	207
Schedule 80 Repair Fittings	207
Compression Couplings	207
Gauge & Instrument Fittings, Schedule 80 Specialty Fittings for Sensor Probes	209
Gauge Guards	209
Gauge & Instrument Fittings Schedule 80 Specialty Fittings for Sensor Probes	210
Ball Valves	211
True Union 2000 Industrial Ball Valves	211
True Union 2000 Industrial Vented/Bleach Ball Valves	212
True Union 2000 Industrial 3-Way Ball Valves	213
Tee-Style "Zero Dead-Leg" Ball Valves	215
True Union 2000 Standard Ball Valves	216
True Union 2000 Industrial Retrofit Ball Valves - Replaces Other Brand Valves	217
True Union 2000 Industrial Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves	218
True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves	219
True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves	219
True Union Ball Valves (Regular Style)	220
Single Entry Ball Valves	221
Compact 2000 Ball Valves	221
Compact Ball Valves (Regular Style)	222
Utility Ball Valves	223
Lab Ball Valves	223
Check Valves	224
True Union 2000 Industrial Ball Check Valves	224
True Union Ball Check Valves (Regular Style)	225
Foot Valve Screens	226
Y-Check Valves	226
Butterfly Check Valves	228
Industrial Swing Check Valves	229



Industrial Swing Check Valve Accessory and Repair Kits	230
Diaphragm Check Valves	231
PVC In-line Adjustable Spring Check Valves	231
Gate Valves	232
Gate Valves	232
Plug Gate Valves	233
Butterfly Valves	234
Butterfly Valves	234
Lug Insert Butterfly Valves	235
True Lug Butterfly Valves	236
Large Diameter Butterfly Valves	237
Wafer Butterfly Valves	237
Globe and Needle Valves	238
Globe Valves	238
Needle Valves	238
Diaphragm Valves	239
Diaphragm Valves	239
Y-Pattern Valves	241
Y-Pattern Valves	241
Industrial Strainers & Filters	243
In-line Tee-Style Filters	243
Y-Strainers	245
True Union Y-Strainers	247
Basket Strainers	250
Suction Strainers	252
Schedule 80 CPVC Industrial Products & Accessories	253
Industrial Pipe	253
CPVC Industrial Pipe	253
Low VOC Solvent Cement & Primer	254
CPVC Low VOC Cements	254
Low VOC Solvent Primers & Cleaners	255
CPVC Schedule 80 Fittings	256
Tees	256
90° Ells	258
Non 90° Ells	259
Wyes	261
Crosses	262
Couplings	263
Adapters	265
Reducer Bushings	266
Caps	267
Plugs	268
Unions	268
Clamp-On & Hot-Tap Saddles	272
Tank Adapters	280
Expansion Joints	283
Pipe Flanges	284
Van Stone Style Flange Replacement Split Rings	285
Flange Insulating Joints	286
Flange Bolt Kits	286
Full-Faced Flange Gaskets	287
Gauge & Instrument Fittings, Schedule 80 Specialty Fittings for Sensor Probes	288
Gauge Guards	288
Gauge & Instrument Fittings Schedule 80 Specialty Fittings for Sensor Probes	289
Ball Valves	290
True Union 2000 Industrial Ball Valves	290
True Union 2000 Industrial Vented/Bleach Ball Valves	291



Spears® Super Sourcebook TABLE OF CONTENTS

True Union 2000 Industrial 3-Way Ball Valves	292
Tee-Style "Zero Dead-Leg" Ball Valves	294
True Union 2000 Standard Ball Valves	295
True Union 2000 Industrial Retrofit Ball Valves - Replaces Other Brand Valves	296
True Union 2000 Industrial Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves	297
True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves	298
True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves	298
True Union Ball Valves (Regular Style)	299
Compact 2000 Ball Valves	300
Compact Ball Valves (Regular Style)	301
Utility Ball Valves	302
Lab Ball Valves	302
Check Valves	303
True Union 2000 Industrial Ball Check Valves	303
True Union Ball Check Valves (Regular Style)	304
Foot Valve Screens	304
Y-Check Valves	305
Butterfly Check Valves	306
Industrial Swing Check Valves	307
Diaphragm Check Valves	308
Gate Valves	309
Gate Valves	309
Plug Gate Valves	310
Butterfly Valves	311
Butterfly Valves	311
Lug Insert Butterfly Valves	312
True Lug Butterfly Valves	313
Large Diameter Butterfly Valves	314
Wafer Butterfly Valves	314
Globe and Needle Valves	315
Globe Valves	315
Needle Valves	315
Diaphragm Valves	316
Diaphragm Valves	316
Y-Pattern Valves	318
Y-Pattern Valves	318
Industrial Strainers & Filters	319
In-line Tee-Style Filters	319
Y-Strainers	321
True Union Y-Strainers	322
Basket Strainers	324
Transition Fittings & Adapters	326
Special Reinforced (SR) & Metal Thread Transition Fittings & Adapters	326
PVC White Special Reinforced (SR) Fittings	327
PVC White Brass Thread Fittings	328
PVC Gray Special Reinforced (SR) Fittings	329
PVC Gray Brass Thread Fittings	333
CPVC Gray Special Reinforced (SR) Fittings	334
CPVC Gray Brass Thread Fittings	338
CPVC Orange Special Reinforced (SR) Fittings	339
CPVC Orange Brass Thread Fittings	340
CPVC Orange Brass Grooved Coupling Adapter	341
CTS CPVC Tan Special Reinforced (SR) Fittings	342
CTS CPVC Tan Brass Thread Fittings	342
CTS CPVC Tan Gasket Sealed Thread Fittings	343
Blue 75™ Thread Sealant	343



Polypropylene Fittings & Accessories 344

Polypropylene Schedule 80 Natural & Black SR Threaded Fittings 344

Polypropylene Schedule 80 Natural SR Threaded Fittings 345

Polypropylene Schedule 80 Black SR Threaded Fittings 345

Gauge & Instrument Fittings, Schedule 80 Specialty Fittings for Sensor Probes 347

Gauge Guards 347

Needle Valves 348

Needle Valves 348

Check Valves 349

Industrial Swing Check Valves 349

Butterfly Valves 350

Polypropylene Butterfly Valves 350

Large Diameter Butterfly and Diaphragm Valves 351

Large Diameter Butterfly Valves 351

Diaphragm Valves 352

Thermoplastic Valves 353

Ball Valves 353

True Union 2000 Industrial Ball Valves 353

True Union 2000 Industrial Vented/Bleach Ball Valves 355

True Union 2000 Industrial 3-Way Ball Valves 357

Tee-Style "Zero Dead-Leg" Ball Valves 361

True Union 2000 Standard Ball Valves 362

True Union 2000 Industrial Retrofit Ball Valves - Replaces Other Brand Valves 364

True Union 2000 Industrial Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves 365

True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves 366

True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves 367

True Union Ball Valves (Regular Style) 367

Single Entry Ball Valves 369

Compact 2000 Ball Valves 370

Compact Ball Valves (Regular Style) 371

Lab Ball Valves 372

Utility Ball Valves 373

CWV Ball Valves 374

Swing Check Ball Valve 374

CTS Valves 375

Ball Valve Accessories & Repair Kits 376

Check Valves 386

True Union 2000 Industrial Ball Check Valves 386

True Union Ball Check Valves (Regular Style) 388

Foot Valve Screens 389

Y-Check Valves 389

Y-Check Valve Repair Kits 392

Butterfly Check Valves 393

Butterfly Check Valve Repair Kits 395

Industrial Swing Check Valves 395

Industrial Swing Check Valve Accessory and Repair Kits 397

Utility Swing Check Valves 398

True Union Utility Swing Check Valves 398

Compression Utility Swing Check Valves 399

Utility Spring Check Valves 400

True Union Utility Spring Check Valves 401

Diaphragm Check Valves 401

PVC In-line Adjustable Spring Check Valves 402

Industrial PVC Backwater Valves 403



Spears® Super Sourcebook TABLE OF CONTENTS

Sump Pump Swing Check Valve	407
Quiet Check Valve	407
Swing Check Ball Valve	408
Gate Valves	409
Gate Valves	409
Plug Gate Valves	410
Gate Valve Accessories & Repair Kits	411
Butterfly Valves	413
PVC Pool Butterfly Valves	413
Butterfly Valves	413
Lug Insert Butterfly Valves	414
True Lug Butterfly Valves - Zinc Plated Lugs	416
True Lug Butterfly Valves - SS Lugs	417
Polypropylene Butterfly Valves	419
Large Diameter Butterfly Valves	419
Wafer Butterfly Valves	420
High Purity TFM-Lined Butterfly Valves	421
Butterfly Valve Accessories & Repair Kits	422
Globe Valves	430
Globe Valves	430
Needle Valves	431
Needle Valves	431
Diaphragm Valves	432
Diaphragm Valves	432
Diaphragm Valve Repair Kits	436
Y-Pattern Valves	437
Y-Pattern Valves	437
Y-Pattern Valve Repair Kits	440
Backwater, Sewage & Sump Pump Specialty Valves	441
Sewer Disconnect	441
Industrial PVC Backwater Valves	442
Sump Pump Swing Check Valve	446
Quiet Check Valve	446
Swing Check Ball Valve	447
Actuated Valves	448
Actuated Valve Information	448
Electro Actuated Compact 2000 Ball Valve	451
Electro Actuated True Union 2000 Standard Ball Valve	452
Electro Actuated True Union 2000 Industrial Ball Valve	453
Premium Actuated True Union 2000 Industrial Ball Valve - Electric	454
Premium Actuated True Union 2000 Industrial Ball Valve - Pneumatic	455
Premium Actuated Standard Butterfly Valve - Electric	457
Premium Actuated Standard Butterfly Valve - Pneumatic	458
Premium Actuated Lug Insert Butterfly Valve - Electric	460
Premium Actuated Lug Insert Butterfly Valve - Pneumatic	461
Premium Actuated True Lug Butterfly Valve - Electric	463
Premium Actuated True Lug Butterfly Valve - Pneumatic	464
Premium Actuated Diaphragm Valve - Electric	466
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing	469
Premium Actuated Diaphragm Valve - Pneumatic	475
Strainers & Filters	489
Irrigation & Hose Filters	489
Filters	489
Hose Filters	490



In-line Tee Style Filters and Reverse In-line Tee Style Filters	491
Reverse Flow Filters	493
Industrial Strainers & Filters	496
In-line Tee-Style Filters	496
Y-Strainers	498
True Union Y-Strainers	500
Basket Strainers	504
Suction Strainers	507
Expansion Joints	508
Expansion Joints	508
Fabricated Expansion Joints	508
Elastomer Expansion Joints	510
Repair Couplings	512
Short Repair Couplings	514
DWV	515
PVC DWV Drain Waste Vent Fittings	515
PVC DWV Drain Waste Vent Fittings	515
Sewer Disconnect	525
Industrial PVC Backwater Valves	526
PVC Schedule 40 & 80 DWV Fabricated Fittings	529
Tees	529
90° Ells	529
Non 90° Ells	530
Couplings	531
Reducer Couplings	531
Crosses	532
Wyes	533
Sanitary Tees	536
Adapters	537
Caps	537
Plugs	537
Cleanouts	537
CTS CPVC Hot & Cold Water Distribution System	538
EverTUFF® CPVC CTS Fittings, Valves & Pipe	538
EverTUFF® CPVC CTS Fittings, Valves & Pipe	538
High Purity PVC System	543
Low-Extractable Piping For Ultra-Pure Water Systems	543
Low-Extractable Piping For Ultra-Pure Water Systems	544
LabWaste™ CPVC Corrosive Waste Drainage System	551
LabWaste™ CPVC Corrosive Waste Drainage Systems	551
LabWaste™ CPVC Corrosive Waste Drainage Systems	551
LabWaste™ Standard CPVC & HDPE Neutralization Tanks	559
LabWaste™ Standard HDPE Round Neutralization Tanks	561
LabWaste™ Standard CPVC Round Neutralization Tanks	562
1-Gallon CPVC Dilution Tanks	563



Spears® Super Sourcebook TABLE OF CONTENTS

1-Gallon CPVC Dilution Traps	564
Pedestrian Traffic Covers	565
Heavy-Duty Pedestrian Traffic Covers	565
Vehicular Traffic Covers	565
Optional Inspection Manhole Ports & Tank Extensions	566
Tank Extensions	566
Limestone Chips for Acid Neutralization Tanks	566
Lab Specialty Products	567
Lab Specialty Products	567
Lab Ball Valves	567
Needle Valves	567
Gauge Guards	569
Lab Fixtures	571
Fume & Air Duct	575
PVC & CPVC Duct & Fabricated Duct Fittings	575
PVC & CPVC Round Seamless Duct	576
PVC & CPVC Cold Rolled Fabricated Duct	576
PVC & CPVC Duct Fittings	577
Double Containment	584
Double Containment	584
Tees	585
90° Ells	587
45° Ells	589
Couplings	591
Access Tees	593
Closure Fittings	595
Isolation Couplers	596
Termination Fittings	598
Centralizers	600
Ball Valve Box With Valve	601
Ball Check Valve Box With Valve	603
Diaphragm Valve Box With Valve	605
Clamp-on Saddles for Leak Detection Sensors	607
Fabricated Fittings	608
PVC Low Head PIP Fabricated Fittings, Risers & Accessories	608
Tees	608
90° Ells	608
Non 90° Ells	608
Couplings	608
Reducer Bushings	609
Adapters	609
Crosses	609
Riser Extension	610
Wyes	611
Caps	611
Glue-on Saddles	612
DISTRIBUTING GATE RISER	613
RITE FLO RISER	613
DISTRIBUTING GATE REPAIR UNIT	613



RITE FLO RISER REPAIR UNIT	613
PVC 80, 100 & 125 PSI PIP Fabricated Fittings	619
Tees	619
90° Ells	622
Non 90° Ells	623
Couplings	625
Reducer Couplings	626
Crosses	628
Wyes	630
Surface Reducers	631
Stub Surface Reducers	631
Caps	632
Glue-on Saddles	632
Pipe Flanges	633
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125	634
Tees	634
90° Ells	638
Non 90° Ells	638
Couplings	641
Reducer Couplings	642
Crosses	643
Surface Reducers	644
Caps	645
Glue-on Saddles	645
Class 125 Molded Fittings	647
PVC Schedule 40 & 80 DWV Fabricated Fittings	648
Tees	648
90° Ells	648
Non 90° Ells	649
Couplings	650
Reducer Couplings	650
Crosses	651
Wyes	652
Sanitary Tees	655
Adapters	656
Caps	656
Plugs	656
Cleanouts	656
PVC Schedule 40 & 80 Low Pressure Fabricated Fittings	657
Tees	657
90° Ells	657
Non 90° Ells	658
Couplings	659
Reducer Couplings	659
Crosses	660
Caps	661
Plugs	661
Metric Fittings & Valves	662
PVC & CPVC Metric Fittings, Unions & Valves	662
PN16 PVC Metric Fittings	666
PN16 CPVC Metric Fittings	666
Class 10/12 PVC & CPVC Metric Fittings & Class 150 Flanges	667
PVC ASTM Schedule 40 Socket x BSP Adapter Fittings (White & Gray)	668
PVC Transition Unions	669
True Union Ball Valves (Regular Style)	670
PVC & CPVC True Union 2000 Industrial Ball Valves	671
PVC & CPVC True Union 2000 Standard Ball Valves	672
PVC & CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves	673



Spears® Super Sourcebook TABLE OF CONTENTS

PVC & CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves	676
PVC & CPVC True Union 2000 Industrial Ball Check Valves	681
PVC & CPVC Gate Valves	682
PVC & CPVC Diaphragm Valves	683
PVC Irrigation Manifold Systems	684

Pipe 686

Industrial Pipe 686

CPVC Industrial Pipe	686
CPVC CTS Hot & Cold Water Distribution Pipe	687
Schedule 80 PVC Industrial Pipe	688
Schedule 40 Clear Pipe	688
Low Extractable PVC Pipe	689
LabWaste™ CPVC Corrosive Waste Drainage System Pipe	689
FlameGuard® CPVC Fire Sprinkler Pipe	690
PVC & CPVC Round Seamless Duct	690
PVC & CPVC Cold Rolled Fabricated Duct	691

Solvent Cements & Thread Sealants 692

Blue 75™ Thread Sealant 692

Blue 75™ Thread Sealant	692
-------------------------	-----

Low VOC Solvent Cements, Primers & Accessories 693

Spears® Low VOC Solvent Cements & Primers	693
PVC Low VOC Cements	694
CPVC Low VOC Cements	696
ABS Low VOC Cements	697
ABS to PVC Transition & Multi Purpose Low VOC Cements	698
Low Extractable Low VOC Cement	699
Low VOC Solvent Primers & Cleaners	700
Applicators & Accessories	701

FlameGuard® CPVC Fire Sprinkler Products 706

FlameGuard® CPVC Fire Sprinkler Piping Products 706

FlameGuard® CPVC Fire Sprinkler Piping Products	707
FlameGuard® CPVC Fire Sprinkler Piping Products	712

Part Number Index 714

Appendices

Appendix A - Basic Abbreviations Used in this Catalog
Appendix B - Applicable Industry Standards & Test Methods
Appendix C - Product Approvals & Certificates
Appendix D - Recommendations for Installers & Users
Appendix E - Special Information on Fabricated Fittings
Appendix F - Sustainable Solutions for Total Piping System Needs
Appendix G - Discount Codes

Schedule 40 Fittings & Accessories Spears® Low VOC Solvent Cements & Primers



Essential solvent cements developed for contractors' essential needs in joining PVC, CPVC and ABS pipe and fittings.

- User Friendly with reduced fumes and odor for well-being of pipe installers.
- NSF® Certified & Listed for use in piping applications such as potable water, turf, irrigation, pool & spa, industrial, plumbing, DWV, and/or sewer, plus special applications including fire protection, chemical waste, and ultra-pure water.
- Meets ASTM Standards for solvent cements and primers used for plastic pipe installation.
- Environmentally friendly. LEED® Compliant (Leadership in Energy and Environmental Design). Credit can be gained through the use of Spears® Low VOC products. This program, developed by the US Green Building Council, uses SCAQMD Rule 1168 as a benchmark to qualify one credit toward LEED® certification for green building.

Low VOC PVC Cements

Regular, Medium, heavy and extra heavy bodied cements are specifically formulated for PVC pipe in virtually every schedule and in sizes with interference fit to 30" diameter.

- Low VOC emissions comply with SCAQMD Rule 1168/316A
- 3-Year Shelf Life

PVC-00 CLEAR: Regular bodied, fast setting PVC cement for all classes and schedules (except Schedule 80) with interference fit through 4". Excellent for plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-05 CLEAR: Medium bodied, fast setting, PVC cement for all classes and schedules with interference fit through 6" diameter and Schedule 80 through 4" diameter in industrial, plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-00 Clear Regular Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC00C-005	1/4 Pint	24	0	705	5.85
PVC00C-010	1/2 Pint	24	0	705	8.50
PVC00C-020	Pint	12	0	705	13.10
PVC00C-030	Quart	12	0	705	22.10
PVC00C-040	Gallon	6	0	705	71.75

PVC-05 Clear Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC05C-005	1/4 Pint	24	0	705	6.60
PVC05C-010	1/2 Pint	24	0	705	9.55
PVC05C-020	Pint	12	0	705	16.75
PVC05C-030	Quart	12	0	705	26.65
PVC05C-040	Gallon	6	0	705	90.80

PVC-02 CLEAR: Regular bodied, fast setting PVC cement for all classes and schedules (except Schedule 80) with interference fit through 4" diameter. Goes on clear, dries clearest and is slightly thicker than PVC-00. Excellent for plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-21 BLUE: Medium bodied, fast setting, high strength PVC cement. It is suitable for use on rigid PVC with interference fit Schedule 40 thru 6" and Schedule 80 thru 4". Can be used without primer on PVC Schedule 40 and SDR pressure water piping systems through 4" if local code permits. Do not use PVC-21 without primer in any other application, schedule, or size such as Schedule 80 industrial applications. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-02 Clear Regular Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC02C-005	1/4 Pint	24	0	705	6.50
PVC02C-010	1/2 Pint	24	0	705	9.45
PVC02C-020	Pint	12	0	705	14.55
PVC02C-030	Quart	12	0	705	24.55
PVC02C-040	Gallon	6	0	705	79.65

PVC-21 Blue Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC21B-005	1/4 Pint	24	0	705	7.05
PVC21B-010	1/2 Pint	24	0	705	11.60
PVC21B-020	Pint	12	0	705	19.85
PVC21B-030	Quart	12	0	705	33.35
PVC21B-040	Gallon	6	0	705	114.65



Schedule 40 Fittings & Accessories PVC Low VOC Cements

PVC-25 AQUA BLUE WET-N-DRY: Medium bodied, very fast setting PVC cement for all classes and schedules with interference fit through 6" diameter and Schedule 80 through 4" diameter. Formulated for wet conditions and quick pressurization. Designed for irrigation, plumbing, and pool & spa applications. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-25 Aqua Blue Wet-N-Dry Medium body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC25B-005	1/4 Pint	24	0	705	7.05
PVC25B-010	1/2 Pint	24	0	705	11.45
PVC25B-020	Pint	12	0	705	19.50
PVC25B-030	Quart	12	0	705	32.65
PVC25B-040	Gallon	6	0	705	112.60

PVC-27 CLEAR COLD-N-HOT: Medium bodied, very fast setting, PVC cement for all classes and schedules with interference fit through 6" diameter, Schedule 80 through 4" diameter. Formulated for -15°F to 110°F (-26°C to 43°C) weather conditions. Designed for industrial, plumbing, irrigation, pool & spa, electrical conduit and PVC foam core pipe. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-27 Clear Cold-N-Hot Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC27C-040	Gallon	6	0	705	118.85
PVC27C-020	Pint	12	0	705	20.35
PVC27C-030	Quart	12	0	705	34.25

PVC-50 HOT BLUE: Medium bodied, very fast setting, high strength PVC cement. Can be used on PVC with interference fit for Schedule 40 thru 6" and Schedule 80 thru 4". Hot Blue premium all-weather formulation is excellent for use in challenging conditions including wet, damp or cold temperatures in irrigation, plumbing DWV, pool & spa, and non-pressure applications. PVC-50 may be used without primer on Schedule 40 pipe and fittings if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-50 HOT BLUE Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC50B-005	1/4 Pint	24	0	705	6.35
PVC50B-010	1/2 Pint	24	0	705	10.45
PVC50B-020	Pint	12	0	705	17.90
PVC50B-030	Quart	12	0	705	30.05
PVC50B-040	Gallon	6	0	705	103.30

PVC-95 CLEAR/BLUE Flexible: Medium bodied, fast setting PVC cement specially formulated for use on flex-to-flex and flex-to-rigid PVC connections with interference fit through 6" and Schedule 80 through 3". Maintains high-strength, flexible joints. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-95 Clear Medium Body Flexible PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC95C-005	1/4 Pint	24	0	705	8.00
PVC95C-010	1/2 Pint	24	0	705	11.90
PVC95C-020	Pint	12	0	705	20.35
PVC95C-030	Quart	12	0	705	34.35
PVC95C-040	Gallon	6	0	705	118.85

PVC-95 Blue Medium Body Flexible PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC95B-040	Gallon	6	0	705	118.85
PVC95B-030	Quart	12	0	705	34.25

PVC-11 GRAY: Heavy bodied, medium setting PVC cement for all classes and schedules with interference fit through 12" diameter. Medium set allows more working time in warm weather and has good gap filling properties. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code, CSA B137.3, B181.2.



PVC-11 Gray Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC11G-010	1/2 Pint	24	0	706	15.60
PVC11G-020	Pint	12	0	706	20.80
PVC11G-030	Quart	12	0	706	35.00
PVC11G-040	Gallon	6	0	706	118.35

PVC-17 CLEAR/GRAY: Heavy bodied, medium setting PVC cement for all classes and schedules with interference fit through 12" diameter (non-pressure applications only up to 18"). Medium set allows more working time in warm weather and has good gap filling properties. Designed for plumbing, industrial, pool, irrigation and electrical piping systems. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code (Clear/Gray); CSA B137.3, B181.2 (Gray only).



PVC-17 Gray Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC17G-010	1/2 Pint	24	0	706	11.70
PVC17G-020	Pint	12	0	706	20.55
PVC17G-030	Quart	12	0	706	34.70
PVC17G-040	Gallon	6	0	706	116.90

PVC-17 Clear Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC17C-010	1/2 Pint	24	0	706	11.70
PVC17C-020	Pint	12	0	706	20.55
PVC17C-030	Quart	12	0	706	34.70
PVC17C-040	Gallon	6	0	706	116.90

Schedule 40 Fittings & Accessories PVC Low VOC Cements



PVC-19 WHITE/GRAY: Extra heavy bodied, slow setting PVC cement for all classes and schedules with interference fit through 30" diameter. Designed for large size piping systems requiring high gap filling properties such as industrial piping and fitting fabrication in pressure and non-pressure applications. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code, CSA (Gray Only) B137.3, B181.2.



PVC-19 White Extra-Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC19W-020	Pint	12	0	706	31.43
PVC19W-030	Quart	12	0	706	41.90
PVC19W-040	Gallon	4	0	706	138.15
PVC19W-050	5 Gallon	1	0	706	597.25



PVC-19 Gray Extra-Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC19G-020	Pint	12	0	706	31.43
PVC19G-030	Quart	12	0	706	41.90
PVC19G-040	Gallon	4	0	706	138.15
PVC19G-050	5 Gallon	1	0	706	597.25



Schedule 40 Fittings & Accessories Low VOC Solvent Primers & Cleaners

Primers are used for the surface preparation of plastic pipe and fittings, which is necessary for the proper solvent welding of these materials. Cleaner aids in pre-cleaning to remove oil and grease.

- All Spears® Primers and Cleaners are low VOC products, which are environmentally friendly with lower emissions and reduced odor, surpassing the most stringent regulations and comply with SCAQMD Rule 1168/316A.
- Spears® Primers are certified for use with potable water by NSF® International.
- 3-Year Shelf Life

PRIMER-68 PURPLE/CLEAR: Essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces. Choose from Clear or Purple color which provides positive identification that a primer was used (check local code requirements). Listings: ASTM F656, NSF®-PW, DWV, SW, U.P. Code (Purple Only).



PRIMER-68 Clear Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM68C-005	1/4 Pint	24	0	709	6.50
PRIM68C-010	1/2 Pint	24	0	709	8.80
PRIM68C-020	Pint	12	0	709	16.30
PRIM68C-030	Quart	12	0	709	27.20
PRIM68C-040	Gallon	6	0	709	82.00

PRIMER-70 Purple Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70P-005	1/4 Pint	24	0	709	7.05
PRIM70P-010	1/2 Pint	24	0	709	9.60
PRIM70P-020	Pint	12	0	709	19.20
PRIM70P-030	Quart	12	0	709	31.10
PRIM70P-040	Gallon	6	0	709	102.20



CLEANER-65 CLEAR CLEANER: Water-thin cleaner recommended for use before priming of pipe and fittings to remove dirt, oil and grease from the bonding surfaces of PVC, CPVC, ABS and Styrene.



PRIMER-68 Purple Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM68P-005	1/4 Pint	24	0	709	6.50
PRIM68P-010	1/2 Pint	24	0	709	8.80
PRIM68P-020	Pint	12	0	709	16.30
PRIM68P-030	Quart	12	0	709	27.20
PRIM68P-040	Gallon	6	0	709	82.00

CLEANER-65 Clear Cleaner

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CLEAN65-005	1/4 Pint	24	0	709	5.20
CLEAN65-010	1/2 Pint	24	0	709	7.75
CLEAN65-020	Pint	12	0	709	13.45
CLEAN65-030	Quart	12	0	709	19.75
CLEAN65-040	Gallon	6	0	709	63.25

PRIMER-70 INDUSTRIAL GRADE PURPLE/CLEAR: Premium, industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces. Specially recommended for use on Schedule 80 (150 psi and higher) and large size pipe. Excellent for cold weather applications. Listings: ASTM F656, NSF®-PW, DWV, SW, U.P. Code (Purple Only).



PRIMER-70 Clear Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70C-005	1/4 Pint	24	0	709	7.05
PRIM70C-010	1/2 Pint	24	0	709	9.60
PRIM70C-020	Pint	12	0	709	19.20
PRIM70C-030	Quart	12	0	709	31.10
PRIM70C-040	Gallon	6	0	709	102.20

Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee Soc



401-003	3/8	50	400	040	2.36
401-005	1/2	50	300	040	.76
401-007	3/4	50	0	040	.87
401-010	1	50	0	040	1.63
401-012	1-1/4	25	0	040	2.55
401-015	1-1/2	25	0	040	3.10
401-020	2	25	0	040	4.51
401-025	2-1/2	10	0	040	14.89
401-030	3	10	0	040	19.56
401-040	4	6	0	040	35.39
401-050	5	5	0	040	85.46
401-060	6	4	0	040	119.10
401-080	8	2	0	040	276.22
401-100	10	1	0	041	915.24
401-100F	10	1	0	047	677.22
401-120	12	1	0	041	1352.32
401-120F	12	1	0	047	954.23
401-140F	14	1	0	047	1485.93
401-160F	16	1	0	047	2150.95
401-180F	18	1	0	047	2612.80
401-200F	20	1	0	047	3184.20
401-240F	24	1	0	047	4328.32

Tee Soc x Fipt



402-003	3/8	50	200	040	2.38
402-005	1/2	50	300	040	1.01
402-007	3/4	50	0	040	1.56
402-010	1	50	0	040	2.89
402-012	1-1/4	25	0	040	4.61
402-015	1-1/2	25	0	040	5.99
402-020	2	10	0	040	7.60
402-025	2-1/2	10	0	040	23.10
402-030	3	10	0	040	29.44
402-040	4	6	0	040	45.00

Tee Soc x Mipt



402B-010	1	50	0	040	3.29
----------	---	----	---	-----	------

Tee Soc x Fipt x Soc



403-007	3/4	50	0	040	1.71
---------	-----	----	---	-----	------

Special Reinforced Tee Soc x SR Fipt - Stainless Steel Collar



402-005SR	1/2	25	200	046	7.66
402-012SR	1-1/4	25	0	046	15.06

Tee Fipt



405-005	1/2	50	0	040	2.79
405-007	3/4	50	0	040	4.38
405-010	1	50	0	040	6.06
405-012	1-1/4	25	0	040	8.39
405-015	1-1/2	25	0	040	8.65
405-020	2	10	0	040	11.46

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee (continued) Fipt

405-025 ¹	2-1/2	5	0	040	40.79
----------------------	-------	---	---	-----	-------

¹Outlet sized with Bushing

Street Tee Spig x Soc x Soc



444-005	1/2	25	200	040	3.93
444-007	3/4	15	120	040	5.24
444-010	1	15	0	040	6.77
444-012	1-1/4	10	0	040	10.89
444-015	1-1/2	10	0	040	15.04
444-020	2	10	0	040	26.16

Reducing Tee Soc



401-053	3/8X1/2	50	0	040	2.09
401-074	1/2X3/4	50	0	040	1.62
401-075	1/2X1	50	0	040	3.01
401-094	3/4X1/2X1/2	50	0	040	1.47
401-095	3/4X1/2X3/4	50	0	040	1.47
401-101	3/4X1/2	50	0	040	1.01
D401-101	3/4X1/2	50	0	040	1.40
401-102	3/4X1	50	0	040	2.89
401-122	1X1/2X1	50	0	040	2.89
401-124	1X3/4X1/2	50	0	040	2.89
401-125	1X3/4X3/4	50	0	040	2.89
401-126	1X3/4X1	50	0	040	2.89
401-130	1X1/2	50	0	040	1.72
D401-130	1X1/2	50	0	040	2.81
401-131	1X3/4	50	0	040	1.88
401-132	1X1-1/4	25	0	040	3.87
401-133	1X1-1/2	25	0	040	5.00
401-134	1X2	25	0	040	7.02
401-156	1-1/4X1X1/2	25	0	040	3.94
401-157	1-1/4X1X3/4	25	0	040	3.94
401-158	1-1/4X1X1	25	0	040	3.94
401-166	1-1/4X1/2	25	0	040	2.80
D401-166	1-1/4X1/2	25	0	040	2.80
401-167	1-1/4X3/4	25	0	040	2.80
401-168	1-1/4X1	25	0	040	2.80
401-169	1-1/4X1-1/2	25	0	040	5.12
401-170	1-1/4X2	25	0	040	7.02
401-199	1-1/2X1-1/4X1/2	25	0	040	4.91
401-201	1-1/2X1-1/4X3/4	25	0	040	4.91
401-202	1-1/2X1-1/4X1	25	0	040	4.91
401-209	1-1/2X1/2	25	0	040	4.91
D401-209	1-1/2X1/2	25	0	040	5.04
401-210	1-1/2X3/4	25	0	040	4.91
401-211	1-1/2X1	25	0	040	4.91
401-212	1-1/2X1-1/4	25	0	040	4.91
401-213	1-1/2X2	25	0	040	7.02
401-214	1-1/2X2-1/2	25	0	040	15.47
401-233	2X1X2	10	0	040	7.02
401-238	2X1-1/2X3/4	10	0	040	7.02
401-239	2X1-1/2X1	10	0	040	7.02
401-241	2X1-1/2X1-1/2	10	0	040	7.02
401-247	2X1/2	10	0	040	4.83
D401-247	2X1/2	10	0	040	7.02
401-248	2X3/4	10	0	040	4.83
401-249	2X1	10	0	040	4.83
401-250	2X1-1/4	10	0	040	4.83
401-251	2X1-1/2	10	0	040	4.83
401-253 ¹	2X3	10	0	040	32.48
401-254 ¹	2X4	6	0	040	64.29



Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Soc

401-287	2-1/2X1/2	10	0	040	14.85
401-288	2-1/2X3/4	10	0	040	14.85
401-289	2-1/2X1	10	0	040	14.85
401-290	2-1/2X1-1/4	10	0	040	14.85
401-291	2-1/2X1-1/2	10	0	040	14.85
401-292	2-1/2X2	10	0	040	14.85
401-293 ¹	2-1/2X3	10	0	040	33.18
401-294 ¹	2-1/2X4	6	0	040	64.29
401-333	3X1/2	10	0	040	21.28
401-334	3X3/4	10	0	040	21.28
401-335	3X1	10	0	040	21.28
401-336	3X1-1/4	10	0	040	21.28
401-337	3X1-1/2	10	0	040	21.28
401-338	3X2	6	0	040	21.24
401-339	3X2-1/2	6	0	040	26.57
401-342	3X4	6	0	040	36.56
401-344 ¹	3X6	4	0	040	190.59
401-415 ¹	4X1/2	6	0	040	36.76
401-416	4X3/4	6	0	040	35.39
401-417	4X1	6	0	040	35.39
401-418	4X1-1/4	10	0	040	35.39
401-419	4X1-1/2	10	0	040	35.39
401-420	4X2	10	0	040	35.39
401-421 ¹	4X2-1/2	6	0	040	41.01
401-422	4X3	6	0	040	35.39
401-426 ¹	4X6	4	0	040	190.59
401-428 ¹	4X8	2	0	040	526.05
401-486 ¹	5X2	5	0	040	82.97
401-487 ¹	5X2-1/2	4	0	040	91.29
401-488	5X3	4	0	040	82.97
401-490	5X4	3	0	040	82.97
401-492 ¹	5X6	4	0	040	194.63
401-494 ¹	5X8	1	2	040	669.62
401-526 ¹	6X1-1/4	4	0	040	121.82
401-527 ¹	6X1-1/2	5	0	040	121.82
401-528	6X2	3	0	040	119.10
401-529 ¹	6X2-1/2	5	0	040	128.14
401-530	6X3	5	0	040	119.10
401-532	6X4	2	0	040	119.10
401-533 ¹	6X5	4	0	040	158.09
401-535 ¹	6X8	2	0	040	526.05
401-537 ¹	6X10	1	0	041	1510.48
401-578 ¹	8X2	2	0	040	288.46
401-579 ¹	8X2-1/2	4	0	040	288.46
401-580	8X3	4	0	040	276.22
401-582	8X4	2	0	040	276.22
401-583 ¹	8X5	2	0	040	318.40
401-585	8X6	2	0	040	276.22
401-589 ¹	8X10	1	0	041	1510.48
401-621 ¹	10X2	1	0	041	820.18
401-621F	10X2	1	0	047	538.30
401-622F	10X2-1/2	1	2	047	568.03
401-623 ¹	10X3	1	0	041	820.18
401-623F	10X3	1	0	047	577.38
401-624 ¹	10X4	1	0	041	820.18
401-624F	10X4	1	0	047	598.12
401-625 ¹	10X5	1	0	041	820.18
401-625F	10X5	1	0	047	701.74
401-626	10X6	1	0	041	784.34
401-626F	10X6	1	0	047	676.39
401-628 ¹	10X8	1	0	041	1004.21
401-628F	10X8	1	0	047	758.84
401-632 ¹	10X12	1	0	041	1671.48
401-634F	10X14	1	0	047	1714.47
401-636F	10X16	1	0	047	2135.01

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Soc

401-661F	12X2	1	0	047	696.06
401-662F	12X2-1/2	1	0	047	734.43
401-663F	12X3	1	0	047	749.77
401-664 ¹	12X4	1	0	041	1283.82
401-664F	12X4	1	0	047	795.40
401-665F	12X5	1	0	047	943.46
401-666 ¹	12X6	1	0	041	1283.82
401-666F	12X6	1	0	047	846.06
401-668	12X8	1	0	041	1133.22
401-668F	12X8	1	0	047	942.33
401-670 ¹	12X10	1	0	041	1765.76
401-670F	12X10	1	0	047	1047.06
401-674F	12X14	1	0	047	1979.04
401-676F	12X16	1	0	047	2389.70
401-678F	12X18	1	0	047	4244.18
401-691F	14X2	1	0	047	872.19
401-693F	14X3	1	0	047	950.21
401-694F	14X4	1	0	047	1010.53
401-695F	14X5	1	0	047	1054.62
401-696F	14X6	1	0	047	1070.85
401-698F	14X8	1	0	047	1128.52
401-700F	14X10	1	0	047	1320.80
401-702F	14X12	1	0	047	1500.28
401-706F	14X16	1	0	047	2899.14
401-751F	16X2	1	0	047	969.11
401-753F	16X3	1	0	047	1022.11
401-754F	16X4	1	0	047	1083.95
401-756F	16X6	1	0	047	1155.86
401-758F	16X8	1	0	047	1270.45
401-760F	16X10	1	0	047	1384.91
401-762F	16X12	1	0	047	1613.40
401-764F	16X14	1	0	047	1928.93
401-768F	16X18	1	0	047	4318.09
401-781F	18X2	1	0	047	1076.99
401-783F	18X3	1	0	047	1104.71
401-784F	18X4	1	0	047	1117.35
401-786F	18X6	1	0	047	1281.38
401-788F	18X8	1	0	047	1405.98
401-790F	18X10	1	0	047	1671.31
401-792F	18X12	1	0	047	1733.10
401-794F	18X14	1	0	047	2285.83
401-796F	18X16	1	0	047	2624.03
401-811F	20X2	1	0	047	1363.43
401-813F	20X3	1	0	047	1389.46
401-814F	20X4	1	0	047	1410.46
401-816F	20X6	1	0	047	1432.82
401-818F	20X8	1	0	047	1490.04
401-820F	20X10	1	0	047	1846.05
401-822F	20X12	1	0	047	2009.70
401-824F	20X14	1	0	047	2539.82
401-826F	20X16	1	0	047	2998.22
401-828F	20X18	1	0	047	3332.39
401-901F	24X2	1	0	047	2253.59
401-903F	24X3	1	0	047	2344.52
401-904F	24X4	1	0	047	2805.67
401-906F	24X6	1	0	047	2881.89
401-908F	24X8	1	0	047	3009.40
401-910F	24X10	1	0	047	3075.39
401-912F	24X12	1	0	047	3162.51
401-914F	24X14	1	0	047	3395.10
401-916F	24X16	1	0	047	3566.96
401-918F	24X18	1	0	047	3897.78
401-920F	24X20	1	0	047	4186.10

¹Outlet sized with Bushing

Schedule 40 Fittings & Accessories
PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Tee
Soc x Fipt



402-071	1/2X1/8	50	300	040	2.17
402-072	1/2X1/4	50	200	040	2.17
402-074	1/2X3/4	50	0	040	2.17
402-094	3/4X1/2X1/2	50	0	040	1.52
402-095	3/4X1/2X3/4	50	0	040	1.52
402-101	3/4X1/2	50	0	040	1.34
402-124	1X3/4X1/2	50	0	040	2.89
402-125	1X3/4X3/4	50	0	040	2.89
402-130	1X1/2	50	0	040	2.02
402-131	1X3/4	50	0	040	2.89
402-156	1-1/4X1X1/2	25	0	040	4.61
402-157	1-1/4X1X3/4	25	0	040	4.61
402-158	1-1/4X1X1	25	0	040	4.61
402-166	1-1/4X1/2	25	0	040	4.83
402-167	1-1/4X3/4	25	0	040	4.83
402-168	1-1/4X1	25	0	040	4.83
402-199	1-1/2X1-1/4X1/2	25	0	040	5.99
402-201	1-1/2X1-1/4X3/4	25	0	040	5.99
402-202	1-1/2X1-1/4X1	25	0	040	5.99
402-209	1-1/2X1/2	25	0	040	5.99
402-210	1-1/2X3/4	25	0	040	5.99
402-211	1-1/2X1	25	0	040	5.99
402-212	1-1/2X1-1/4	25	0	040	5.99
402-238	2X1-1/2X3/4	10	0	040	7.54
402-239	2X1-1/2X1	10	0	040	7.54
402-247	2X1/2	10	0	040	7.54
402-248	2X3/4	10	0	040	7.54
402-249	2X1	10	0	040	7.54
402-250	2X1-1/4	10	0	040	7.54
402-251	2X1-1/2	10	0	040	7.54
402-287	2-1/2X1/2	10	0	040	16.32
402-288	2-1/2X3/4	10	0	040	16.32
402-289	2-1/2X1	10	0	040	16.32
402-290	2-1/2X1-1/4	10	0	040	16.32
402-291	2-1/2X1-1/2	10	0	040	16.32
402-292	2-1/2X2	10	0	040	16.32
402-333	3X1/2	10	0	040	23.31
402-334	3X3/4	10	0	040	23.31
402-335	3X1	10	0	040	23.31
402-336	3X1-1/4	10	0	040	23.31
402-337	3X1-1/2	10	0	040	23.31
402-338	3X2	6	0	040	23.31
402-417	4X1	6	0	040	38.96
402-419	4X1-1/2	10	0	040	38.96
402-420	4X2	10	0	040	38.96
402-422	4X3	6	0	040	38.96
402-490	5X4	3	0	040	101.77
402-525 ¹	6X1	3	0	040	132.05
402-528	6X2	3	0	040	132.05
402-530	6X3	5	0	040	132.05
402-532	6X4	2	0	040	132.05
402-578 ¹	8X2	3	0	040	285.57
402-580 ¹	8X3	2	0	040	285.57
402-582 ¹	8X4	2	0	040	285.57
402-621F	10X2	1	0	047	555.61
402-622F	10X2-1/2	1	0	047	559.52
402-623F	10X3	1	0	047	594.61
402-624F	10X4	1	0	047	644.76
402-661F	12X2	1	0	047	713.34
402-663F	12X3	1	0	047	768.55
402-664F	12X4	1	0	047	832.05

¹Outlet-sized with Bushing

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Tee
Soc x Fipt x Soc



403-095	3/4X1/2X3/4	50	0	040	4.09
---------	-------------	----	---	-----	------

Special Reinforced Reducing Tee
Soc x SR Fipt - Stainless Steel Collar



402-072SR	1/2X1/4	25	150	046	7.66
402-098SR	3/4X1/4	25	100	046	9.95
402-101SR	3/4X1/2	50	0	046	9.95
402-166SR	1-1/4X1/2	15	0	046	16.64
402-168SR	1-1/4X1	10	0	046	16.98
402-212SR	1-1/2X1-1/4	10	0	046	18.38
402-287SR	2-1/2X1/2	10	0	046	22.37
402-288SR	2-1/2X3/4	10	0	046	23.64
402-289SR	2-1/2X1	10	0	046	23.87
402-290SR	2-1/2X1-1/4	10	0	046	23.50
402-291SR	2-1/2X1-1/2	10	0	046	24.43
402-292SR	2-1/2X2	10	0	046	24.63
402-333SR	3X1/2	10	0	046	29.83
402-334SR	3X3/4	10	0	046	29.83
402-335SR	3X1	10	0	046	30.43
402-336SR	3X1-1/4	10	0	046	31.14
402-337SR	3X1-1/2	10	0	046	30.87
402-338SR	3X2	6	0	046	32.70
402-417SR	4X1	6	0	046	39.51
402-419SR	4X1-1/2	10	0	046	43.40
402-420SR	4X2	10	0	046	44.81
402-422SR	4X3	6	0	046	70.40

Special Reinforced Reducing Tee
Soc x SR Fipt-Stainless Steel Collar x Soc



403-095SR	3/4X1/2X3/4	50	0	046	2.59
-----------	-------------	----	---	-----	------

Manifold Tee
Spig x Soc x Mipt



476-010	1	20	0	020	5.68
---------	---	----	---	-----	------

Manifold Tee
Spig x Soc x Fipt



477-010	1	25	0	020	5.68
---------	---	----	---	-----	------

O-ring Sealed Manifold Tee
O-ring Sealed MIPT x Fipt x MIPT



EPDM O-ring Seal on Tee run

451A-010	1	50	0	019	4.27
----------	---	----	---	-----	------

O-ring end MIPT is designed to assemble to corresponding Manifold Tee FIPT Only. Multiple Manifold Tee-to-Manifold Tee assemblies can be made with NO Thread Sealant required. Branch MIPT and Terminal MIPT in manifold assembly can be joined without O-ring to standard FIPT using thread sealant.

Transition Tee for P.E. Hose Laterals
Soc x Insert (.580 I.D.)



1102-007	3/4	50	0	040	3.06
1102-130	1X1/2	200	0	040	3.43
1102-248	2X2X3/4	10	0	040	4.83
1102-250	2X1-1/4	10	0	040	4.83



Schedule 40 Fittings & Accessories

PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° EII Soc



406-003	3/8	50	600	040	3.07
406-005	1/2	50	400	040	.61
406-007	3/4	50	300	040	.68
406-010	1	50	0	040	1.23
406-012	1-1/4	25	0	040	2.17
406-015	1-1/2	25	0	040	2.34
406-020	2	25	0	040	3.66
406-025	2-1/2	10	0	040	11.14
406-030	3	10	0	040	13.33
406-040	4	8	0	040	23.84
406-045F	4-1/2	1	5	047	169.61
406-050	5	4	0	040	61.60
406-060	6	4	0	040	75.81
406-080	8	2	0	040	195.20
406-100	10	1	0	041	735.22
406-100F	10	1	0	047	392.23
406-120	12	1	0	041	986.07
406-120F	12	1	0	047	641.06
406-140F	14	1	0	047	923.98
406-160F	16	1	0	047	1322.17
406-180F	18	1	0	047	1419.34
406-200F	20	1	0	047	2147.04
406-240F	24	1	0	047	3217.53

90° EII Soc x Fipt



407-005	1/2	50	400	040	.76
407-007	3/4	50	300	040	.87
407-010	1	50	0	040	1.63
407-012	1-1/4	25	0	040	2.73
407-015	1-1/2	25	0	040	3.03
407-020	2	10	0	040	7.83
407-025	2-1/2	10	0	040	19.35
407-030	3	8	0	040	29.01
407-040	4	8	0	040	43.98

Special Reinforced 90° EII & Reducing 90° EII Soc x SR Fipt - Stainless Steel Collar



407-005SR	1/2	50	400	046	6.79
407-007SR	3/4	75	0	046	8.72
407-010SR	1	50	0	046	8.82
407-012SR	1-1/4	25	0	046	10.66
407-131SR	1X3/4	50	0	046	3.74
407-168SR ¹	1-1/4X1	25	0	046	14.77
407-249SR	2X1	10	0	046	16.80
407-251SR	2X1-1/2	10	0	046	17.72

Sized with SR Adapter

90° EII Fipt



408-005	1/2	50	400	040	1.47
408-007	3/4	50	0	040	2.18
408-010	1	50	0	040	4.66
408-012	1-1/4	25	0	040	4.99
408-015	1-1/2	25	0	040	6.31
408-020	2	10	0	040	9.57

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing 90° EII Soc



406-053	3/8X1/2	50	0	040	1.79
406-101	3/4X1/2	50	0	040	1.23
D406-101	3/4X1/2	50	0	040	1.49
406-130	1X1/2	50	0	040	1.83
D406-130	1X1/2	50	0	040	2.62
406-131	1X3/4	50	0	040	2.18
406-166	1-1/4X1/2	25	0	040	3.49
D406-166	1-1/4X1/2	25	0	040	4.00
406-167	1-1/4X3/4	25	0	040	3.49
406-168	1-1/4X1	25	0	040	3.49
406-209	1-1/2X1/2	25	0	040	5.51
406-211	1-1/2X1	25	0	040	5.51
406-212	1-1/2X1-1/4	25	0	040	5.51
406-249	2X1	10	0	040	6.79
406-250	2X1-1/4	10	0	040	6.79
406-251	2X1-1/2	10	0	040	9.40
406-251N	2X1-1/2	10	0	015	9.40
406-292	2-1/2X2	10	0	040	11.01
406-292N	2-1/2X2 (2-1/2 Spigot)	10	0	040	11.01

Reducing 90° EII Soc x Fipt



407-053	3/8X1/2	50	600	040	2.09
407-074	1/2X3/4	50	0	040	1.63
407-101	3/4X1/2	50	300	040	.90
407-130	1X1/2	50	0	040	2.51
407-131	1X3/4	50	0	040	2.51
407-168	1-1/4X1	25	0	040	3.66
407-211	1-1/2X1	25	0	040	6.07
407-212	1-1/2X1-1/4	20	0	040	6.32
407-249	2X1	10	0	040	10.51
407-250	2X1-1/4	10	0	040	10.51
407-251	2X1-1/2	10	0	040	10.51

90° Sweep EII Soc



406-005S	1/2	25	300	040	4.67
406-007S	3/4	25	100	040	5.35
406-010S	1	25	0	040	8.76
406-012S	1-1/4	25	0	040	11.55
406-015S	1-1/2	25	0	040	12.48
406-020S	2	25	0	040	15.05

Long Sweep 90° EII Soc



406-025LSF	2-1/2	1	7	047	50.61
406-030LSF	3	1	5	047	71.28
406-040LSF	4	1	4	047	92.80
406-060LSF	6	1	2	047	143.49
406-080LSF	8	1	0	047	285.67

90° Street EII Spig x Soc



409-005	1/2	50	400	040	1.72
409-007	3/4	50	0	040	2.12
409-010	1	50	0	040	3.66
409-012	1-1/4	25	0	040	4.38
409-015	1-1/2	25	0	040	4.83

Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° Street EII (continued)

Spig x Soc

409-020	2	10	0	040	9.32
409-025	2-1/2	10	0	040	16.71
409-030	3	5	0	040	20.63
409-040	4	6	0	040	38.37
409-050	5	2	0	040	91.79
409-060	6	2	0	040	115.99
409-080	8	2	0	040	296.69
409-100	10	1	0	041	1095.47
409-120	12	1	0	041	1213.14
409-140F	14	1	0	047	1276.14
409-160F	16	1	0	047	1340.59
409-180F	18	1	0	047	1677.02
409-200F	20	1	0	047	2385.28
409-240F	24	1	0	047	3688.43

90° Street EII

Mipt x Soc

410-005	1/2	50	750	040	1.34
410-007	3/4	50	0	040	1.56
410-010	1	50	0	040	2.62
410-012	1-1/4	25	0	040	3.66
410-015	1-1/2	25	0	040	3.83
410-020	2	10	0	040	9.41
410-030	3	10	0	040	33.63
410-101	3/4X1/2	50	400	040	1.91
410-102	3/4X1	50	0	040	3.24

90° Street EII

Mipt x Fipt

412-005	1/2	50	600	040	1.79
412-007	3/4	50	0	040	2.18
412-010	1	50	0	040	3.76
412-012	1-1/4	25	0	040	4.66
412-015	1-1/2	25	0	040	5.06
412-020	2	10	0	040	9.65
412-030	3	8	0	040	34.48

HDPE 90° Street EII

Mipt x Fipt

M412-005	1/2	50	450	040	1.66
M412-007	3/4	50	0	040	2.01
M412-010	1	50	0	040	3.51
M412-012	1-1/4	25	0	040	4.63
M412-015	1-1/2	25	0	040	5.24

High Density Polyethylene - Not NSF-listed - Not pressure rated. For use on open ended irrigation systems.

HDPE 90° Street EII

Mipt x Fipt (Short Pattern)

MS412-005	1/2	50	700	040	1.49
MS412-007	3/4	50	400	040	1.80
MS412-010	1	50	0	040	3.15

High Density Polyethylene - Not NSF-listed - Not pressure rated. For use on open ended irrigation systems.

HDPE Reducing 90° Street EII

Mipt x Fipt (Short Pattern)

MS412-101	3/4X1/2	50	400	040	2.41
-----------	---------	----	-----	-----	------

High Density Polyethylene - Not NSF-listed - Not pressure rated. For use on open ended irrigation systems.

Made in the U.S.A.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Side Outlet EII

Soc

413-005	1/2	50	0	040	3.32
413-007	3/4	50	0	040	4.51
413-010	1	25	0	040	5.78
413-015	1-1/2	10	0	040	6.34
413-020	2	10	0	040	8.80

Side Outlet EII

Soc x Fipt

414-005	1/2	50	0	040	3.23
414-007	3/4	50	0	040	4.96
414-101	3/4X1/2	50	0	040	4.18
414-130	1X1/2	50	0	040	5.48

60° EII

Soc

424-005F	1/2	7	0	047	66.38
424-007F	3/4	6	0	047	73.80
424-010F	1	1	3	047	74.95
424-012F	1-1/4	16	0	047	79.91
424-015F	1-1/2	16	0	047	92.21
424-020F	2	1	16	047	121.16
424-025F	2-1/2	10	0	047	132.82
424-030F	3	8	0	047	151.43
424-040F	4	1	4	047	177.79
424-045F	4-1/2	1	4	047	199.16
424-050F	5	1	5	047	204.73
424-060F	6	1	4	047	248.94
424-080F	8	1	2	047	331.04
424-100F	10	1	2	047	679.88
424-120F	12	1	0	047	865.47
424-140F	14	1	0	047	914.65
424-160F	16	1	0	047	1100.70
424-180F	18	1	0	047	1632.11
424-240F	24	1	0	047	2750.99

45° EII

Soc

417-005	1/2	50	600	040	1.01
417-007	3/4	50	300	040	1.56
417-010	1	50	0	040	1.88
417-012	1-1/4	25	0	040	2.62
417-015	1-1/2	25	0	040	3.29
417-020	2	25	0	040	4.28
417-025	2-1/2	10	0	040	11.16
417-030	3	10	0	040	17.32
417-040	4	5	0	040	31.05
417-045F	4-1/2	1	15	047	63.79
417-050	5	5	0	040	61.60
417-050F	5	1	2	047	82.65
417-060	6	8	0	040	76.72
417-080	8	3	0	040	184.51
417-080F	8	1	4	047	174.62
417-100	10	1	0	041	480.32
417-100F	10	1	2	047	275.87
417-120	12	1	0	041	711.78
417-120F	12	1	2	047	292.59
417-140F	14	1	0	047	613.77
417-160F	16	1	0	047	811.16
417-180F	18	1	0	047	857.66
417-200F	20	1	0	047	1111.00



Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

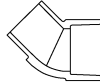
45° EII (continued)

Soc

417-240F	24	1	0	047	1787.66
----------	----	---	---	-----	---------

45° Street EII

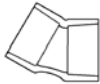
Spig x Soc



427-005	1/2	50	400	040	1.01
427-007	3/4	50	0	040	1.56
427-010	1	50	0	040	1.88
427-012	1-1/4	25	0	040	2.62
427-015	1-1/2	25	0	040	3.29
427-020	2	25	0	040	4.28
427-025	2-1/2	10	0	040	13.95
427-030	3	10	0	040	17.32
427-040	4	5	0	040	31.05
427-050	5	4	0	040	93.36
427-060	6	4	0	040	95.89
427-080	8	2	0	040	230.64
427-100	10	1	0	041	606.88
427-120	12	1	0	041	889.74
427-140F	14	1	0	047	663.09
427-160F	16	1	0	047	901.29
427-180F	18	1	0	047	983.84
427-200F	20	1	0	047	1248.79
427-240F	24	1	0	047	1967.09

30° EII

Soc



415-005F	1/2	1	25	047	20.51
415-007F	3/4	25	0	047	20.64
415-010F	1	1	25	047	22.59
415-012F	1-1/4	1	15	047	24.45
415-015F	1-1/2	1	25	047	24.80
415-020F	2	1	25	047	25.72
415-025F	2-1/2	25	0	047	30.33
415-030F	3	1	20	047	32.44
415-040F	4	1	6	047	39.07
415-045F	4-1/2	1	15	047	61.82
415-050F	5	6	0	047	54.18
415-060F	6	1	10	047	62.77
415-080F	8	1	4	047	106.11
415-100F	10	1	2	047	160.11
415-120F	12	1	0	047	253.29
415-140F	14	1	0	047	398.21
415-160F	16	1	0	047	542.83
415-180F	18	1	0	047	651.90
415-200F	20	1	0	047	805.84
415-240F	24	1	0	047	1605.07

22-1/2° EII

Soc



416-005	1/2	20	240	040	1.43
416-007	3/4	20	240	040	2.23
416-010	1	20	160	040	2.67
416-012	1-1/4	20	0	040	3.73
416-015	1-1/2	20	0	040	4.68
416-020	2	20	0	040	6.13
416-025	2-1/2	5	0	040	15.93
416-025F	2-1/2	25	0	047	30.33
416-030	3	5	0	040	24.71
416-040	4	4	0	040	44.38
416-045F	4-1/2	1	15	047	61.82
416-050F	5	1	10	047	54.18
416-060	6	4	0	040	109.57

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

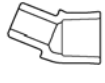
22-1/2° EII (continued)

Soc

416-060F	6	1	5	047	62.77
416-080	8	4	0	040	263.59
416-080F	8	1	4	047	106.11
416-100F	10	1	0	047	160.11
416-120F	12	1	0	047	253.29
416-140F	14	1	0	047	398.21
416-160F	16	1	0	047	542.83
416-180F	18	1	0	047	651.90
416-200F	20	1	0	047	805.84
416-240F	24	1	0	047	1605.07

22-1/2° Street EII

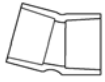
Spig x Soc



442-005	1/2	50	400	040	1.43
442-007	3/4	50	0	040	2.23
442-010	1	50	0	040	2.67
442-012	1-1/4	20	0	040	3.73
442-015	1-1/2	25	0	040	4.68
442-020	2	20	0	040	6.13
442-025F	2-1/2	1	18	047	34.70
442-030	3	5	0	040	35.80
442-040	4	4	0	040	55.24
442-060	6	4	0	040	136.38
442-060F	6	1	5	047	80.48
442-080	8	1	4	040	328.04
442-080F	8	1	4	047	121.22
442-100F	10	1	0	047	187.60
442-120F	12	1	0	047	281.59

15° EII

Soc



418-005F	1/2	1	25	047	20.51
418-007F	3/4	23	0	047	20.64
418-010F	1	20	0	047	22.59
418-012F	1-1/4	15	0	047	24.45
418-015F	1-1/2	25	0	047	24.80
418-020F	2	1	25	047	25.72
418-025F	2-1/2	18	0	047	30.33
418-030F	3	1	35	047	32.44
418-040F	4	1	20	047	39.07
418-045F	4-1/2	1	15	047	61.82
418-050F	5	1	15	047	54.18
418-060F	6	1	10	047	62.77
418-080F	8	1	4	047	106.11
418-100F	10	1	2	047	160.11
418-120F	12	1	2	047	253.29
418-140F	14	1	0	047	398.21
418-160F	16	1	0	047	542.83
418-180F	18	1	0	047	651.90
418-200F	20	1	0	047	805.84
418-240F	24	1	0	047	1605.07

11-1/4° EII

Soc



411-005F	1/2	52	0	047	20.51
411-007F	3/4	52	0	047	20.64
411-010F	1	52	0	047	22.59
411-012F	1-1/4	25	0	047	24.45
411-015	1-1/2	25	0	040	5.29
411-015F	1-1/2	25	0	047	24.80
411-020	2	10	0	040	6.13
411-025F	2-1/2	1	25	047	30.33

Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

11-1/4" EII (continued)

Soc

411-030	3	10	0	040	24.71
411-040	4	4	0	040	44.38
411-045F	4-1/2	1	15	047	61.82
411-050F	5	1	15	047	54.18
411-060F	6	1	10	047	62.77
411-080F	8	1	4	047	106.11
411-100F	10	1	2	047	160.11
411-120F	12	1	2	047	253.29
411-140F	14	1	0	047	398.21
411-160F	16	1	0	047	542.83
411-180F	18	1	0	047	651.90
411-200F	20	1	0	047	805.84
411-240F	24	1	0	047	1605.07

Wye

Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 8" - Larger & All Fabricated Sizes- 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

475-005	1/2	25	100	040	2.62
475-007	3/4	20	0	040	4.11
475-010	1	20	0	040	5.76
475-012	1-1/4	20	0	040	8.85
475-015	1-1/2	20	0	040	11.35
475-020	2	10	0	040	34.06
475-025 ¹	2-1/2	4	0	040	77.86
475-030	3	5	0	040	57.38
475-040	4	4	0	040	108.22
475-050F	5	1	3	047	422.33
475-060	6	3	0	040	228.97
475-080	8	1	0	040	368.29
475-100	10	1	0	041	1220.34
475-100F [*]	10	1	0	047	1024.01
475-120	12	1	0	041	1803.12
475-120F [*]	12	1	0	047	1392.05
475-140F [*]	14	1	0	047	1972.18
475-160F [*]	16	1	0	047	2549.28
475-180F [*]	18	1	0	047	3263.97
475-200F [*]	20	1	0	047	3858.94
475-240F [*]	24	1	0	047	4799.28

¹ Sized with Bushing

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

Reducing Wye

Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 8" - Larger & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

475-101 ¹	3/4X1/2	20	0	040	8.11
475-130 ¹	1X1/2	20	0	040	10.32
475-131 ¹	1X3/4	20	0	040	10.32
475-166 ¹	1-1/4X1/2	20	0	040	13.88
475-167 ¹	1-1/4X3/4	20	0	040	13.88
475-168 ¹	1-1/4X1	20	0	040	13.88
475-209 ¹	1-1/2X1/2	20	0	040	16.52

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Wye (continued)

Soc

475-210 ¹	1-1/2X3/4	20	0	040	16.52
475-211 ¹	1-1/2X1	20	0	040	16.52
475-212 ¹	1-1/2X1-1/4	20	0	040	16.52
475-247 ¹	2X1/2	10	0	040	37.53
475-248 ¹	2X3/4	10	0	040	37.53
475-249 ¹	2X1	10	0	040	37.53
475-250 ¹	2X1-1/4	10	0	040	37.53
475-251 ¹	2X1-1/2	10	0	040	37.53
475-292 ¹	2-1/2X2	4	0	040	83.63
475-334 ¹	3X3/4	5	0	040	65.17
475-335 ¹	3X1	5	0	040	65.17
475-336 ¹	3X1-1/4	5	0	040	65.17
475-337 ¹	3X1-1/2	5	0	040	65.17
475-338 ¹	3X2	5	0	040	65.17
475-339 ¹	3X2-1/2	5	0	040	65.17
475-420	4X2	4	0	040	125.19
475-421 ¹	4X2-1/2	4	0	040	125.19
475-422 ¹	4X3	4	0	040	125.19
475-488F [*]	5X3	1	4	047	335.91
475-490F [*]	5X4	1	4	047	349.79
475-528 ¹	6X2	4	0	040	270.21
475-529 ¹	6X2-1/2	5	0	040	270.21
475-530 ¹	6X3	5	0	040	270.21
475-532	6X4	5	0	040	294.40
475-578F [*]	8X2	1	2	047	505.60
475-579F [*]	8X2-1/2	1	0	047	536.53
475-580F [*]	8X3	1	2	047	549.34
475-582F [*]	8X4	1	2	047	566.63
475-585F [*]	8X6	1	0	047	583.80
475-621F [*]	10X2	1	0	047	607.78
475-622F [*]	10X2-1/2	1	0	047	618.23
475-623F [*]	10X3	1	0	047	651.23
475-624F [*]	10X4	1	0	047	689.16
475-626	10X6	1	0	041	1045.80
475-626F [*]	10X6	1	0	047	760.96
475-628	10X8	1	0	041	1162.00
475-628F [*]	10X8	1	0	047	814.24
475-661F [*]	12X2	1	0	047	825.00
475-663F [*]	12X3	1	0	047	844.68
475-664F [*]	12X4	1	0	047	884.02
475-666F [*]	12X6	1	0	047	888.27
475-668F [*]	12X8	1	0	047	1030.11
475-670F [*]	12X10	1	0	047	1177.81
475-691F [*]	14X2	1	0	047	980.73
475-693F [*]	14X3	1	0	047	1061.49
475-694F [*]	14X4	1	0	047	1113.22
475-696F [*]	14X6	1	0	047	1254.21
475-698F [*]	14X8	1	0	047	1437.11
475-700F [*]	14X10	1	0	047	1605.33
475-702F [*]	14X12	1	0	047	1798.59
475-751F [*]	16X2	1	0	047	1139.44
475-753F [*]	16X3	1	0	047	1231.76
475-754F [*]	16X4	1	0	047	1280.95
475-756F [*]	16X6	1	0	047	1441.48
475-758F [*]	16X8	1	0	047	1641.59
475-760F [*]	16X10	1	0	047	1827.06
475-762F [*]	16X12	1	0	047	2036.00
475-764F [*]	16X14	1	0	047	2304.46
475-781F [*]	18X2	1	0	047	1243.24
475-783F [*]	18X3	1	0	047	1300.14
475-784F [*]	18X4	1	0	047	1319.45
475-786F [*]	18X6	1	0	047	2527.98
475-788F [*]	18X8	1	0	047	1886.68
475-790F [*]	18X10	1	0	047	2098.55
475-792F [*]	18X12	1	0	047	2434.51



Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Wye (continued)

Soc

475-794F*	18X14	1	0	047	2672.95
475-796F*	18X16	0	0	047	2803.29
475-811F*	20X2	1	0	047	1307.29
475-813F*	20X3	1	0	047	1416.66
475-814F*	20X4	1	0	047	1435.01
475-818F*	20X8	1	0	047	1976.19
475-816F*	20X6	1	0	047	1461.94
475-820F*	20X10	1	0	047	2196.94
475-822F*	20X12	1	0	047	2647.65
475-824F*	20X14	1	0	047	2963.04
475-826F*	20X16	0	0	047	3284.22
475-828F*	20X18	0	0	047	3525.34
475-901F*	24X2	1	0	047	1650.17
475-903F*	24X3	1	0	047	1686.47
475-904F*	24X4	1	0	047	1732.95
475-906F*	24X6	1	0	047	3050.17
475-908F*	24X8	1	0	047	3327.26
475-910F*	24X10	1	0	047	3362.41
475-912F*	24X12	1	0	047	3559.23
475-914F*	24X14	1	0	047	3681.35
475-916F*	24X16	1	0	047	3855.27
475-918F*	24X18	1	0	047	4191.13
475-920F*	24X20	0	0	047	4581.26

† Sized with Bushing

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

Double Wye

Soc

100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

476-020F*	2	1	4	047	264.51
476-030F*	3	1	3	047	435.67
476-040F*	4	1	2	047	485.30
476-060F*	6	1	0	047	552.67
476-080F*	8	1	0	047	673.06
476-100F*	10	1	0	047	1234.20
476-120F*	12	1	0	047	1469.34

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

For larger sizes please contact your Regional Spears® Distribution Center.

Reducing Double Wye

Soc

Size 3" is 150 psi, all Fabricated Sizes- 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

476-338	3X2	5	0	040	95.65
476-420F*	4X2	1	4	047	429.64
476-421F*	4X2-1/2	1	2	047	448.26
476-422F*	4X3	1	3	047	461.15
476-528F*	6X2	1	2	047	432.64
476-529F*	6X2-1/2	1	2	047	471.00
476-530F*	6X3	1	2	047	489.51
476-532F*	6X4	1	0	047	497.16
476-578F*	8X2	1	2	047	527.80
476-579F*	8X2-1/2	1	2	047	548.79
476-580F*	8X3	1	0	047	590.56
476-582F*	8X4	1	0	047	598.16
476-585F*	8X6	1	0	047	627.09
476-621F*	10X2	1	0	047	786.37
476-622F*	10X2-1/2	1	0	047	833.16
476-623F*	10X3	1	0	047	857.05
476-624F*	10X4	1	0	047	941.69

Page 12

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Double Wye (continued)

Soc

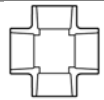
476-626F*	10X6	1	0	047	1056.29
476-628F*	10X8	1	0	047	1101.49
476-661F*	12X2	1	0	047	1121.91
476-662F*	12X2 1/2	1	0	047	1134.65
476-663F*	12X3	1	0	047	1195.55
476-664F*	12X4	1	0	047	1218.90
476-666F*	12X6	1	0	047	1288.06
476-668F*	12X8	1	0	047	1321.10
476-670F*	12X10	1	0	047	1399.57

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

For larger sizes please contact your Regional Spears® Distribution Center.

Cross

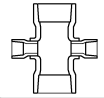
Soc



420-005	1/2	50	0	040	2.34
420-007	3/4	50	0	040	3.88
420-010	1	50	0	040	4.83
420-012	1-1/4	25	0	040	6.38
420-015	1-1/2	25	0	040	7.24
420-020	2	10	0	040	10.67
420-025	2-1/2	10	0	040	22.63
420-030	3	5	0	040	27.76
420-040	4	4	0	040	41.12
420-050F	5	1	3	047	587.38
420-060F	6	1	0	047	579.04
420-080F	8	1	0	047	745.86
420-100F	10	1	0	047	902.73
420-120F	12	1	0	047	1272.17
420-140F	14	1	0	047	2262.14
420-160F	16	1	0	047	2867.77
420-180F	18	1	0	047	3263.39
420-200F	20	1	0	047	4867.67
420-240F	24	1	0	047	7099.56

Reducing Cross

Soc



420-101 ¹	3/4X1/2	50	0	040	9.01
420-130 ¹	1X1/2	25	0	040	10.57
420-131	1X3/4	20	0	040	10.57
420-166 ¹	1-1/4X1/2	4	0	040	12.95
420-167 ¹	1-1/4X3/4	25	0	040	12.95
420-168 ¹	1-1/4X1	4	32	040	12.95
420-209 ¹	1-1/2X1/2	20	0	040	14.01
420-210 ¹	1-1/2X3/4	4	0	040	14.01
420-211 ¹	1-1/2X1	4	0	040	14.01
420-212 ¹	1-1/2X1-1/4	4	0	040	14.01
420-247 ¹	2X1/2	4	0	040	16.46
420-248 ¹	2X3/4	10	0	040	16.46
420-249	2X1	25	0	040	16.15
420-250 ¹	2X1-1/4	10	0	040	16.46
420-251 ¹	2X1-1/2	10	0	040	16.46
420-287 ¹	2-1/2X1/2	4	0	040	31.95
420-288 ¹	2-1/2X3/4	4	0	040	31.95
420-289 ¹	2-1/2X1	10	0	040	31.95
420-290 ¹	2-1/2X1-1/4	5	0	040	31.95
420-291 ¹	2-1/2X1-1/2	10	0	040	31.95
420-292 ¹	2-1/2X2	10	0	040	31.95
420-334 ¹	3X3/4	5	0	040	41.52
420-335 ¹	3X1	5	0	040	41.52
420-336 ¹	3X1-1/4	4	0	040	41.52
420-337 ¹	3X1-1/2	5	0	040	41.52

Schedule 40 Fittings & Accessories
PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Cross (continued)

Soc

420-338 ¹	3X2	5	0	040	41.52
420-339 ¹	3X2-1/2	4	0	040	41.52
420-420 ¹	4X2	3	0	040	71.46
420-421 ¹	4X2-1/2	3	0	040	71.46
420-422 ¹	4X3	3	0	040	71.46
420-528F	6X2	1	2	047	382.60
420-529F	6X2 1/2	1	2	047	391.24
420-530F	6X3	1	2	047	397.94
420-532F	6X4	1	2	047	456.89
420-578F	8X2	1	2	047	501.24
420-579F	8X2 1/2	1	0	047	515.27
420-580F	8X3	1	0	047	522.14
420-582F	8X4	1	0	047	548.69
420-585F	8X6	1	0	047	624.65
420-621F	10X2	1	0	047	633.41
420-622F	10X2-1/2	1	0	047	648.74
420-623F	10X3	1	0	047	682.76
420-624F	10X4	1	0	047	707.54
420-626F	10X6	1	0	047	758.39
420-628F	10X8	1	0	047	805.81
420-661F	12X2	1	0	047	711.98
420-662F	12X2-1/2	1	0	047	737.91
420-663F	12X3	1	0	047	764.04
420-664F	12X4	1	0	047	800.37
420-666F	12X6	1	0	047	841.74
420-668F	12X8	1	0	047	908.09
420-670F	12X10	1	0	047	1034.82
420-691F	14X2	1	0	047	984.19
420-693F	14X3	1	0	047	1055.11
420-694F	14X4	1	0	047	1078.01
420-696F	14X6	1	0	047	1265.17
420-698F	14X8	1	0	047	1408.80
420-700F	14X10	1	0	047	1601.17
420-702F	14X12	1	0	047	1818.74
420-751F	16X2	1	0	047	1202.68
420-753F	16X3	1	0	047	1293.55
420-754F	16X4	1	0	047	1336.87
420-756F	16X6	1	0	047	1446.09
420-758F	16X8	1	0	047	1693.87
420-760F	16X10	1	0	047	1825.47
420-762F	16X12	1	0	047	2059.96
420-764F	16X14	1	0	047	2279.30
420-781F	18X2	1	0	047	1352.22
420-783F	18X3	1	0	047	1433.55
420-784F	18X4	1	0	047	1448.20
420-786F	18X6	1	0	047	1547.49
420-788F	18X8	1	0	047	1795.87
420-790F	18X10	1	0	047	2283.74
420-792F	18X12	1	0	047	2452.50
420-794F	18X14	1	0	047	2837.38
420-796F	18X16	1	0	047	2922.89
420-811F	20X2	1	0	047	1430.62
420-813F	20X3	1	0	047	1527.09
420-814F	20X4	1	0	047	1616.87
420-816F	20X6	1	0	047	1730.61
420-818F	20X8	1	0	047	1894.84
420-820F	20X10	1	0	047	3228.04
420-822F	20X12	1	0	047	3418.07
420-824F	20X14	1	0	047	3624.12
420-826F	20X16	1	0	047	4228.41
420-828F	20X18	1	0	047	4715.82
420-901F	24X2	1	0	047	2383.56
420-903F	24X3	1	0	047	2454.54
420-904F	24X4	1	0	047	2537.45
420-906F	24X6	1	0	047	2682.41

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Cross (continued)

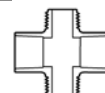
Soc

420-908F	24X8	1	0	047	2887.73
420-910F	24X10	1	0	047	4145.81
420-912F	24X12	1	0	047	4227.22
420-914F	24X14	1	0	047	4374.46
420-916F	24X16	1	0	047	5420.69
420-918F	24X18	1	0	047	5960.64
420-920F	24X20	1	0	047	6929.82

¹Outlet sized with Bushing

Cross

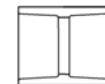
Soc x Mipt



421A-010	1	50	0	040	5.68
----------	---	----	---	-----	------

Coupling

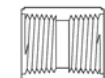
Soc



429-003	3/8	50	300	040	1.10
429-005	1/2	50	600	040	.40
429-005N	1/2	50	300	040	.40
429-007	3/4	50	400	040	.55
429-007N	3/4	50	400	040	.55
429-010	1	50	0	040	.97
429-010N	1	50	0	040	.97
429-012	1-1/4	25	150	040	1.34
429-015	1-1/2	25	0	040	1.43
429-020	2	25	0	040	2.18
429-025	2-1/2	12	0	040	4.83
429-030	3	10	0	040	7.56
429-040	4	6	0	040	10.94
429-045F	4-1/2	1	10	047	48.69
429-050	5	5	0	040	20.03
429-060	6	5	0	040	34.59
429-080	8	8	0	040	64.59
429-100	10	1	0	041	188.24
429-100F	10	1	0	047	117.79
429-120	12	1	0	041	375.05
429-120F	12	1	0	047	125.39
429-140	14	1	0	041	548.37
429-140F	14	1	0	047	203.61
429-160F	16	1	0	047	227.10
429-180F	18	1	0	047	387.28
429-200F	20	1	0	047	675.61
429-240F	24	1	0	047	938.29

Coupling

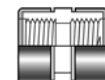
Fipt



430-005	1/2	50	600	040	.77
430-005G	1/2	50	300	043	.87
430-007	3/4	50	400	040	1.43
430-010	1	50	0	040	1.88
430-012	1-1/4	10	120	040	6.33

Special Reinforced Coupling

SR Fipt - Stainless Steel Collar



430-005SR	1/2	25	300	046	3.51
430-007SR	3/4	25	300	046	4.99
430-010SR	1	25	200	046	5.33
430-012SR	1-1/4	10	120	046	6.64
430-015SR	1-1/2	10	60	046	14.70
430-020SR	2	10	0	046	15.41



Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Coupling Soc



429-101	3/4X1/2	50	200	040	1.01
429-130 ¹	1X1/2	25	200	040	2.40
429-131	1X3/4	50	0	040	1.72
429-166 ¹	1-1/4X1/2	25	0	040	4.54
429-167 ¹	1-1/4X3/4	25	0	040	4.54
429-168	1-1/4X1	25	0	040	2.89
429-209 ¹	1-1/2X1/2	8	48	040	3.78
429-210	1-1/2X3/4	25	0	040	3.06
429-211 ¹	1-1/2X1	25	0	040	4.73
429-212	1-1/2X1-1/4	25	0	040	3.06
429-247 ¹	2X1/2	10	0	040	6.67
429-248 ¹	2X3/4	10	0	040	6.67
429-249 ¹	2X1	25	0	040	6.46
429-250 ¹	2X1-1/4	10	80	040	6.67
429-251	2X1-1/2	10	40	040	4.88
429-291 ¹	2-1/2X1-1/2	10	0	040	13.04
429-292	2-1/2X2	10	0	040	10.04
429-335 ¹	3X1	10	0	040	29.56
429-337 ¹	3X1-1/2	8	0	040	29.56
429-338	3X2	8	0	040	26.24
429-339 ¹	3X2-1/2	8	0	040	22.27
429-416 ¹	4X3/4	10	0	040	34.32
429-417 ¹	4X1	8	0	040	54.50
429-420	4X2	4	0	040	31.78
429-421 ¹	4X2-1/2	6	0	040	40.03
429-422	4X3	4	0	040	32.78
429-460F	4-1/2X4	1	4	047	52.27
429-486F	5X2	1	24	047	115.88
429-487F	5X2-1/2	1	10	047	100.24
429-488F	5X3	1	6	047	89.20
429-490F	5X4	1	6	047	57.60
429-491F	5X4-1/2	1	15	047	55.27
429-528F	6X2	1	4	047	85.36
429-530F	6X3	1	15	047	74.84
429-532	6X4	4	0	040	43.26
429-533F	6X5	1	15	047	65.99
429-534F	6X4-1/2	1	15	047	79.74
429-578F	8X2	1	4	047	190.02
429-580F	8X3	1	4	047	170.02
429-582	8X4	1	2	040	100.32
429-583F	8X5	1	4	047	128.33
429-585	8X6	2	0	040	110.79
429-621F	10X2	1	2	047	270.93
429-623F	10X3	1	2	047	240.71
429-624	10X4	1	2	041	531.37
429-624F	10X4	1	2	047	201.24
429-626	10X6	1	0	041	531.37
429-626F	10X6	1	4	047	187.54
429-628	10X8	1	0	041	531.37
429-628F	10X8	1	2	047	131.26
429-664F	12X4	1	2	047	358.05
429-666	12X6	1	0	041	605.02
429-666F	12X6	1	2	047	329.91
429-668	12X8	1	0	041	605.02
429-668F	12X8	1	0	047	319.89
429-670F	12X10	1	0	047	191.07
429-693F	14X3	1	0	047	680.64
429-694F	14X4	1	0	047	596.57
429-696F	14X6	1	0	047	541.90
429-698F	14X8	1	0	047	537.01
429-700F	14X10	1	0	047	424.94
429-702F	14X12	1	0	047	320.05
429-751F	16X2	1	0	047	752.53

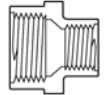
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Coupling (continued) Soc

429-754F	16X4	1	0	047	698.24
429-756F	16X6	1	0	047	691.36
429-758F	16X8	1	0	047	531.04
429-760F	16X10	1	0	047	492.45
429-762F	16X12	1	0	047	402.82
429-764F	16X14	1	0	047	384.10
429-786F	18X6	1	0	047	1014.01
429-788F	18X8	1	0	047	950.16
429-790F	18X10	1	0	047	849.72
429-792F	18X12	1	0	047	675.97
429-794F	18X14	1	0	047	627.38
429-796F	18X16	1	0	047	567.98
429-814F	20X4	1	0	047	1632.63
429-816F	20X6	1	0	047	1358.83
429-818F	20X8	1	0	047	1334.67
429-820F	20X10	1	0	047	1283.36
429-822F	20X12	1	0	047	1234.27
429-824F	20X14	1	0	047	1156.86
429-826F	20X16	1	0	047	1060.22
429-828F	20X18	1	0	047	964.03
429-906F	24X6	1	0	047	2419.39
429-908F	24X8	1	0	047	2226.02
429-910F	24X10	1	0	047	2030.44
429-912F	24X12	1	0	047	1998.45
429-914F	24X14	1	0	047	1921.48
429-916F	24X16	1	0	047	1847.93
429-918F	24X18	1	0	047	1636.35
429-920F	24X20	1	0	047	1471.95

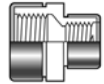
¹Outlet sized with Bushing

Reducer Coupling Fipt



430-101	3/4X1/2	50	200	040	1.85
---------	---------	----	-----	-----	------

Special Reinforced Reducer Coupling SR Fipt - Stainless Steel Collar



430-101SR	3/4X1/2	50	200	046	7.56
-----------	---------	----	-----	-----	------

Eccentric Reducer Coupling Soc



429-131FE	1X3/4	1	15	047	28.06
429-168FE	1-1/4X1	1	12	047	25.47
429-212FE	1-1/2X1-1/4	1	25	047	26.39
429-249FE	2X1	1	25	047	41.39
429-250FE	2X1-1/4	1	25	047	36.27
429-251FE	2X1-1/2	1	20	047	35.05
429-290FE ²	2-1/2X1-1/4	1	25	047	53.40
429-291FE ²	2-1/2X1-1/2	1	10	047	53.33
429-292FE	2-1/2X2	1	10	047	41.44
429-335FE ³	3X1	1	10	047	57.74
429-336FE ²	3X1-1/4	1	10	047	56.43
429-337FE ²	3X1-1/2	1	10	047	52.11
429-338E	3X2	15	0	040	33.30
429-338FE	3X2	1	20	047	31.95
429-339FE	3X2-1/2	1	24	047	30.36
429-417FE ³	4X1	1	4	047	87.49
429-418FE ³	4X1-1/4	1	12	047	84.51
429-419FE ³	4X1-1/2	1	10	047	80.67
429-420E	4X2	15	0	040	48.29
429-420FE ²	4X2	1	6	047	43.39
429-421FE ²	4X2-1/2	1	5	047	42.68
429-422FE	4X3	1	10	047	40.10

Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Eccentric Reducer Coupling (continued)

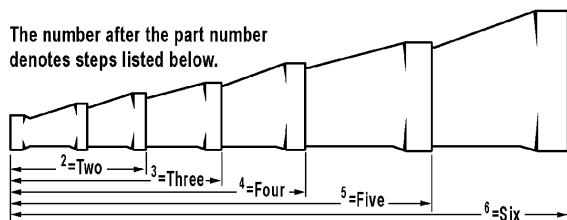
Soc

429-490FE	5X4	1	6	047	64.85
429-528FE ²	6X2	1	4	047	141.10
429-529FE ³	6X2-1/2	1	4	047	128.80
429-530FE ²	6X3	1	6	047	90.21
429-532E	6X4	10	0	040	57.50
429-532FE	6X4	1	6	047	45.11
429-533FE	6X5	1	10	047	44.71
429-578FE ⁴	8X2	1	3	047	197.55
429-580FE ³	8X3	1	2	047	186.07
429-582FE ²	8X4	1	2	047	92.91
429-583FE ²	8X5	1	2	047	88.02
429-585FE	8X6	1	4	047	75.11
429-624FE ²	10X4	1	2	047	212.45
429-626FE	10X6	1	2	047	195.34
429-628FE	10X8	1	2	047	184.17
429-664FE ³	12X4	1	0	047	396.38
429-666FE ²	12X6	1	0	047	325.70
429-668FE ²	12X8	1	0	047	215.98
429-670FE	12X10	1	0	047	187.26
429-696FE ²	14X6	1	0	047	661.64
429-698FE ²	14X8	1	0	047	541.99
429-700FE	14X10	1	0	047	492.01
429-702FE	14X12	1	0	047	271.20
429-756FE ³	16X6	1	0	047	645.40
429-758FE ³	16X8	1	0	047	538.61
429-760FE ²	16X10	1	0	047	484.61
429-762FE ¹	16X12	1	0	047	454.50
429-764FE	16X14	1	0	047	426.20
429-786FE ⁴	18X6	1	0	047	1020.39
429-788FE ⁴	18X8	1	0	047	1005.85
429-790FE ³	18X10	1	0	047	898.80
429-792FE ²	18X12	1	0	047	811.16
429-794FE ²	18X14	1	0	047	717.18
429-796FE	18X16	1	0	047	578.53

Eccentric Reducer Coupling Footnotes

Multi-Step Configurations

The number after the part number denotes steps listed below.



Example: 429-582 FE² (² = 2 Step)

Deep Socket Coupling

Soc

479-005N	1/2	50	400	040	.78
479-007	3/4	50	0	040	1.89
479-010	1	50	0	040	2.70
479-015	1-1/2	50	0	040	3.73
479-020	2	60	0	040	6.18
479-025	2-1/2	25	0	040	7.95
479-030	3	15	0	040	11.98
479-040	4	8	0	040	24.06
479-050F	5	1	4	047	81.28

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

IPS to PIP Adapter

Spig x Soc

431-060	6	5	0	040	26.29
431-080	8	10	0	040	32.39
431-100F	10	1	10	047	44.24
431-120F	12	1	8	047	67.55

Female Adapter

Soc x Fipt

435-003	3/8	50	600	040	2.24
435-005	1/2	50	600	040	.68
D435-005	1/2	50	400	040	1.00
435-007	3/4	50	400	040	.87
D435-007	3/4	50	0	040	1.34
435-010	1	50	0	040	1.01
435-012	1-1/4	25	0	040	1.56
435-015	1-1/2	25	0	040	1.79
435-020	2	10	80	040	2.40
435-025	2-1/2	10	0	040	6.07
435-030	3	5	0	040	8.17
435-040	4	6	0	040	13.54
435-050	5	5	0	040	35.06
435-060	6	5	0	040	49.82
435-080	8	2	0	040	93.94
435-100F	10	1	2	047	176.46
435-120F	12	1	0	047	262.93

Special Reinforced Female Adapter

Soc x SR Fipt - Stainless Steel Collar

435-002SR	1/4	25	450	046	5.31
435-003SR	3/8	25	300	046	5.31
435-005SR	1/2	25	300	046	2.95
435-007SR	3/4	25	300	046	4.29
435-010SR	1	25	200	046	6.38
435-012SR	1-1/4	10	60	046	10.32
435-015SR	1-1/2	10	80	046	12.70
435-020SR	2	10	0	046	22.15
435-025SR	2-1/2	5	0	046	34.95
435-030SR	3	10	0	046	39.38
435-040SR	4	5	0	046	67.68

Spigot Female Adapter

Spig x Fipt

478-005	1/2	50	600	040	.77
478-007	3/4	25	300	040	.90
478-010	1	50	0	040	1.44
478-012	1-1/4	25	0	040	2.01
478-015	1-1/2	20	0	040	2.49
478-020	2	20	0	040	3.66
478-030	3	10	0	040	12.40
478-040	4	5	0	040	20.59

Special Reinforced Spigot Female Adapter

Spig x SR Fipt - Stainless Steel Collar

478-005SR	1/2	50	600	046	3.88
478-007SR	3/4	25	300	046	4.57
478-010SR	1	50	0	046	7.04
478-012SR	1-1/4	25	0	046	11.21
478-015SR	1-1/2	25	0	046	13.44
478-020SR	2	15	0	046	22.37



Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Spigot Female Adapter (continued)

Spig x SR Fipt - Stainless Steel Collar

478-030SR	3	5	0	046	41.12
478-040SR	4	5	0	046	63.51

Special Reinforced Reducing Spigot Female Adapter

Spig x SR Fipt - Stainless Steel Collar

478-072SR	1/2X1/4	25	450	046	10.78
478-098SR	3/4X1/4	50	300	046	15.70
478-128SR	1X1/4	50	400	046	16.19

Spears® SR Series reinforced spigot adapters can be user-installed in a variety of socket type tees, elbows and reducer bushings for superior thread reinforcement demanding applications.

Reducing Female Adapter

Soc x Fipt

435-072	1/2X1/4	50	300	040	1.23
435-073	1/2X3/8	50	300	040	1.23
435-074	1/2X3/4	50	400	040	1.23
435-101	3/4X1/2	50	400	040	1.23
435-102	3/4X1	50	0	040	1.63
435-130	1X1/2	50	0	040	1.63
435-131	1X3/4	50	0	040	1.63
435-133	1X1-1/2	25	0	040	3.29
435-168	1-1/4X1	25	0	040	3.13
435-247	2X1/2	25	0	040	2.99
435-460F ¹	4-1/2X4	1	8	047	55.35
435-532 ¹	6X4	4	0	040	72.57
435-578F ¹	8X2	1	8	047	145.52
435-582F ¹	8X4	1	8	047	135.79
435-628F	10X8	1	2	047	183.65

¹Outlet sizes with Threaded Adapter

Special Reinforced Reducing Female Adapter

Soc x SR Fipt - Stainless Steel Collar

435-072SR	1/2X1/4	50	600	046	3.86
435-074SR	1/2X3/4	50	400	046	4.29
435-101SR	3/4X1/2	50	400	046	4.29
435-102SR	3/4X1	50	0	046	6.38
435-130SR	1X1/2	50	0	046	6.38
435-131SR	1X3/4	25	200	046	6.38

Male Adapter

Mipt x Soc

436-003	3/8	50	300	040	2.09
436-005	1/2	50	300	040	.55
436-007	3/4	50	400	040	.61
436-010	1	50	300	040	1.10
436-012	1-1/4	25	0	040	1.34
436-015	1-1/2	25	0	040	1.79
436-020	2	25	0	040	2.35
436-025	2-1/2	10	0	040	6.93
436-030	3	10	0	040	10.14
436-040	4	5	0	040	12.93
436-050	5	5	0	040	21.30
436-060	6	7	0	040	33.71
436-080	8	3	0	040	153.21
436-100F	10	1	2	047	198.13
436-120F	12	1	0	047	294.44

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Male Adapter

Spig x Mipt

461-005	1/2	50	300	040	.97
461-007	3/4	50	400	040	1.10
461-010	1	50	0	040	1.90
461-131	1X3/4	50	200	040	5.61
461-012	1-1/4	25	100	040	2.35
461-015	1-1/2	25	0	040	3.14
461-020	2	25	0	040	3.87

Reducing Male Adapter

Mipt x Soc

436-053	3/8X1/2	50	300	040	1.10
436-073	1/2X3/8	50	300	040	1.10
436-074	1/2X3/4	50	200	040	1.10
436-075	1/2X1	50	200	040	1.48
436-101	3/4X1/2	50	300	040	1.01
436-102	3/4X1	50	0	040	1.56
436-131	1X3/4	50	400	040	3.36
436-132	1X1-1/4	50	0	040	3.66
436-133	1X1-1/2	50	0	040	4.12
436-168	1-1/4X1	25	200	040	4.12
436-169	1-1/4X1-1/2	25	0	040	4.12
436-212	1-1/2X1-1/4	25	0	040	4.98
436-213	1-1/2X2	25	0	040	4.98
436-251	2X1-1/2	10	80	040	5.68
436-252	2X2-1/2	10	0	040	8.84
436-253	2X3	10	0	040	9.94
436-294	2-1/2X3	10	0	040	10.70
436-296	2-1/2X4	10	0	040	16.43
436-342	3X4	5	0	040	17.12
436-535F	6X8	1	2	047	124.26
436-537F	6X10	1	2	047	242.19

IPT Adapter

Mipt x Fipt

446-003	3/8	50	300	040	1.88
446-012	1-1/4	25	100	040	4.28
446-053	3/8X1/2	50	300	040	1.88
446-074	1/2X3/4	50	200	040	2.35

Insert Adapter (White PVC)

Insert x Soc

474-005	1/2	50	600	040	1.96
474-007	3/4	50	400	040	2.35
474-010	1	50	0	040	2.49
474-012	1-1/4	25	0	040	3.95
474-015	1-1/2	25	0	040	4.38
474-020	2	25	0	040	8.11
474-030	3	15	0	040	24.18
474-040	4	15	0	040	27.64
474-060F	6	1	4	047	142.83
474-080F	8	1	4	047	226.91

ASTM D 2609 Plastic Insert Fittings for Polyethylene (PE) pipe

Insert Adapter (White PVC)

Insert x I.P.S. Spigot

460-005	1/2	50	300	040	2.15
460-007	3/4	50	200	040	2.82
460-010	1	50	0	040	2.95
460-012	1-1/4	20	160	040	3.04

Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Insert Adapter (White PVC) (continued)

Insert x I.P.S. Spigot

460-015	1-1/2	25	0	040	3.27
460-020	2	10	0	040	5.43
460-030	3	25	0	040	18.34
460-040	4	10	0	040	21.13
1432-060	6	8	0	140	90.83
1432-080*	8	4	0	140	180.33

ASTM D 2609 - Plastic Insert Fitting for Polyethylene (PE) pipe
*Fabricated

Insert Adapter (White PVC)

Insert x I.P.S. Spigot x I.P.S. Socket



460-007N	3/4X3/4X1/2	50	200	040	2.82
460-012N	1-1/4X1-1/4X1	20	160	040	3.04
460-131N	3/4X1X3/4	20	160	040	3.29
460-132N	1X1-1/4X1	20	160	040	3.55

ASTM D 2609 - Plastic Insert Fitting for Polyethylene (PE) pipe
N=Nesting

Riser Extension

Fipt x Mipt



(See also HDPE Cut-Off Riser Extensions in this catalog)

434-005	1/2	50	300	040	1.12
434-007	3/4	50	300	040	1.88
434-010	1	50	0	040	2.35

HDPE Cut-Off Riser Extension

Fipt x Mipt



(1/2" = 3-Section Cut-Off; 3/4" = 4-Section Cut-Off)

M434-005-3	1/2X3	50	600	120	1.35
M434-007-4	3/4X4	50	0	120	1.79

High Density Polyethylene - Not NSF-listed - Not pressure rated. For use on open ended irrigation systems.

Reducer (T.T.) Bushing

Mipt x Fipt



439-052	3/8X1/4	50	450	040	2.89
439-071	1/2X1/8	50	300	040	2.89
439-072	1/2X1/4	50	300	040	2.89
439-073	1/2X3/8	50	300	040	2.89
439-098	3/4X1/4	50	300	040	1.79
439-099	3/4X3/8	50	300	040	1.79
439-101	3/4X1/2	50	300	040	1.79
439-128	1X1/4	25	150	040	2.51
439-130	1X1/2	50	300	040	2.51
439-131	1X3/4	50	800	040	2.51
439-166	1-1/4X1/2	25	300	040	3.73
439-167	1-1/4X3/4	25	300	040	3.73
439-168	1-1/4X1	25	150	040	3.73
439-209	1-1/2X1/2	25	300	040	4.51
439-210	1-1/2X3/4	25	300	040	4.51
439-211	1-1/2X1	25	100	040	4.51
439-212	1-1/2X1-1/4	25	300	040	4.51
439-247	2X1/2	10	120	040	4.83
439-248	2X3/4	10	120	040	4.83
439-249	2X1	10	120	040	4.83
439-250	2X1-1/4	10	60	040	4.83
439-251	2X1-1/2	10	120	040	4.83
439-292	2-1/2X2	10	80	040	16.88
439-337	3X1-1/2	10	0	040	19.97
439-338	3X2	10	0	040	19.97
439-339	3X2-1/2	10	0	040	19.97

Made in the U.S.A.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer (T.T.) Bushing (continued)

Mipt x Fipt

439-420	4X2	6	0	040	59.69
439-422	4X3	6	0	040	46.16

Reducer Bushing Flush Style

Spig x Soc



437-072	1/2X1/4	50	300	040	1.16
437-073	1/2X3/8	50	300	040	1.16
437-101	3/4X1/2	50	350	040	.64
437-130	1X1/2	50	300	040	1.16
437-131	1X3/4	50	300	040	1.16
437-166	1-1/4X1/2	25	300	040	1.56
437-167	1-1/4X3/4	25	300	040	1.56
437-168	1-1/4X1	25	300	040	1.56
437-209	1-1/2X1/2	25	200	040	1.65
437-210	1-1/2X3/4	25	200	040	1.65
437-211	1-1/2X1	25	200	040	1.65
437-212	1-1/2X1-1/4	25	200	040	1.65
437-247	2X1/2	10	120	040	2.73
437-248	2X3/4	10	60	040	2.73
437-249	2X1	10	60	040	2.73
437-250	2X1-1/4	10	120	040	2.73
437-251	2X1-1/2	25	0	040	2.73
437-287	2-1/2X1/2	10	80	040	4.39
437-288	2-1/2X3/4	10	0	040	4.39
437-289	2-1/2X1	10	40	040	4.39
437-290	2-1/2X1-1/4	10	0	040	4.39
437-291	2-1/2X1-1/2	10	80	040	4.39
437-292	2-1/2X2	10	80	040	4.39
437-333 ¹	3X1/2	10	0	040	8.64
437-334	3X3/4	10	0	040	6.46
437-335	3X1	10	0	040	6.46
437-336	3X1-1/4	10	0	040	6.46
437-337	3X1-1/2	10	0	040	6.46
437-338	3X2	10	0	040	6.46
437-339	3X2-1/2	15	0	040	6.46
437-420	4X2	6	0	040	14.47
437-421	4X2-1/2	6	0	040	14.47
437-422	4X3	6	0	040	14.47
437-486	5X2	5	0	040	20.34
437-488	5X3	5	0	040	20.34
437-490	5X4	4	0	040	20.34
437-528	6X2	5	0	040	35.83
437-530	6X3	5	0	040	35.83
437-532	6X4	5	0	040	35.83
437-534	6X5	5	0	040	35.83
437-578 ¹	8X2	4	0	040	141.31
437-580 ¹	8X3	4	0	040	141.31
437-582	8X4	4	0	040	124.90
437-583 ¹	8X5	4	0	040	163.20
437-585	8X6	4	0	040	124.90
437-623	10X3	2	0	041	374.83
437-624 ¹	10X4	2	0	041	374.83
437-626	10X6	2	0	041	340.00
437-628	10X8	4	0	041	340.00
437-664 ¹	12X4	2	0	041	506.29
437-666 ¹	12X6	2	0	041	506.29
437-666F	12X6	1	2	047	373.83
437-668	12X8	2	0	041	378.12
437-670	12X10	2	0	041	378.12
437-696F	14X6	1	3	047	917.49
437-698F	14X8	1	3	047	657.35
437-700F	14X10	1	3	047	438.52
437-702F	14X12	1	3	047	153.05
437-756F	16X6	1	0	047	1093.11

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducer Bushing Flush Style (continued)

Spig x Soc

437-758F	16X8	1	2	047	862.04
437-760F	16X10	1	2	047	619.36
437-762F	16X12	1	2	047	357.79
437-764F	16X14	1	2	047	374.46
437-786F	18X6	1	0	047	1835.36
437-788F	18X8	1	0	047	1686.01
437-790F	18X10	1	0	047	1378.95
437-792F	18X12	1	0	047	887.63
437-794F	18X14	1	0	047	864.89
437-796F	18X16	1	0	047	407.77
437-816F	20X6	1	0	047	2540.88
437-818F	20X8	1	0	047	2388.05
437-820F	20X10	1	0	047	2213.17
437-822F	20X12	1	0	047	1933.01
437-824F	20X14	1	0	047	1584.17
437-826F	20X16	1	0	047	1266.20
437-828F	20X18	1	0	047	631.39
437-906F	24X6	1	0	047	4046.49
437-908F	24X8	1	0	047	3878.47
437-910F	24X10	1	0	047	3414.40
437-912F	24X12	1	0	047	3120.63
437-914F	24X14	1	0	047	2878.33
437-916F	24X16	1	0	047	2409.64
437-918F	24X18	1	0	047	2396.41
437-920F	24X20	1	0	047	1950.90

¹ Sized with Bushing



Reducer Bushing Flush Style

Spig x Fipt

438-071	1/2X1/8	50	350	040	1.34
438-072	1/2X1/4	50	350	040	1.34
438-073	1/2X3/8	50	350	040	1.34
438-098	3/4X1/4	50	300	040	1.34
438-101	3/4X1/2	50	300	040	1.01
438-127	1X1/8	25	150	040	1.63
438-128	1X1/4	50	200	040	1.63
438-129	1X3/8	50	200	040	1.63
438-130	1X1/2	50	300	040	1.63
438-131	1X3/4	50	300	040	1.63
438-166	1-1/4X1/2	25	150	040	2.51
438-167	1-1/4X3/4	25	150	040	2.51
438-168	1-1/4X1	25	100	040	2.51
438-206	1-1/2X1/8	25	100	040	2.89
438-207	1-1/2X1/4	25	200	040	2.89
438-209	1-1/2X1/2	25	100	040	2.89
438-210	1-1/2X3/4	25	100	040	2.89
438-211	1-1/2X1	25	100	040	2.89
438-212	1-1/2X1-1/4	25	100	040	2.89
438-245	2X1/4	10	60	040	3.88
438-247	2X1/2	10	120	040	3.88
438-248	2X3/4	10	60	040	3.88
438-249	2X1	10	120	040	3.88
438-250	2X1-1/4	10	120	040	3.88
438-251	2X1-1/2	10	120	040	3.88
438-287	2-1/2X1/2	10	0	040	5.62
438-288	2-1/2X3/4	10	40	040	5.62
438-289	2-1/2X1	10	40	040	5.62
438-290	2-1/2X1-1/4	10	0	040	5.62
438-291	2-1/2X1-1/2	10	40	040	5.62
438-292	2-1/2X2	10	40	040	5.62
438-334	3X3/4	10	0	040	6.46
438-335	3X1	10	0	040	6.46
438-336	3X1-1/4	10	0	040	6.46
438-337	3X1-1/2	10	0	040	6.46

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducer Bushing Flush Style (continued)

Spig x Fipt

438-338	3X2	10	0	040	6.46
438-339	3X2-1/2	10	0	040	6.46
438-420	4X2	6	0	040	14.44
438-421	4X2-1/2	6	0	040	14.44
438-422	4X3	6	0	040	14.44
438-488	5X3	5	0	040	28.16
438-490	5X4	6	0	040	28.16
438-528	6X2	5	0	040	52.85
438-530	6X3	5	0	040	52.85
438-532	6X4	5	0	040	52.85
438-534	6X5	5	0	040	52.85

Special Reinforced Reducer Bushing Flush Style

Spig x SR Fipt - Stainless Steel Collar



438-128SR	1X1/4	25	300	046	3.14
438-166SR	1-1/4X1/2	25	100	046	5.74
438-207SR	1-1/2X1/4	25	100	046	8.01
438-209SR	1-1/2X1/2	25	100	046	8.01
438-210SR	1-1/2X3/4	25	100	046	8.01
438-247SR	2X1/2	10	80	046	9.80
438-248SR	2X3/4	10	80	046	9.80
438-249SR	2X1	10	80	046	9.80
438-334SR	3X3/4	10	0	046	38.36
438-335SR	3X1	10	0	046	38.36
438-336SR	3X-1/4	10	0	046	38.36
438-337SR	3X1-1/2	10	0	046	38.36
438-420SR	4X2	6	0	046	58.97
438-421SR	4X2-1/2	6	0	046	66.37
438-528SR	6X2	5	0	046	67.91
438-530SR	6X3	5	0	046	61.13
438-532SR	6X4	5	0	046	67.91

Special Reinforced Reducer Bushing Flush Style

Mipt X SR Fipt - Stainless Steel Collar



439-209SR	1-1/2X1/2	25	200	046	8.30
439-249SR	2X1	10	120	046	12.19

Cap Soc



447-003	3/8	50	1000	040	1.56
447-005	1/2	50	600	040	.55
447-007	3/4	50	300	040	.64
447-010	1	50	200	040	1.01
447-012	1-1/4	25	100	040	1.43
447-015	1-1/2	25	0	040	1.56
447-020	2	25	0	040	1.88
447-025	2-1/2	10	0	040	5.99
447-030	3	10	0	040	6.55
447-040	4	6	0	040	14.89
447-045F	4-1/2	10	0	047	47.85
447-050	5	5	0	040	25.00
447-060	6	4	0	040	35.69
447-080	8	3	0	040	89.66
447-100F	10	1	5	047	199.87
447-120F	12	1	5	047	290.38
447-140F	14	1	2	047	364.43
447-160F	16	1	2	047	434.97
447-180F	18	1	2	047	766.46
447-200F	20	1	0	047	1163.85
447-240F	24	1	0	047	1852.41

Schedule 40 Fittings & Accessories PVC Schedule 40 Fittings & Unions



Caps

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Cap Fipt



448-003	3/8	50	1000	040	2.10
448-005	1/2	50	600	040	1.16
448-007	3/4	50	300	040	1.34
448-010	1	50	200	040	2.02
448-012	1-1/4	25	100	040	2.40
448-015	1-1/2	25	100	040	2.51
448-020	2	10	120	040	4.44
448-025	2-1/2	10	0	040	6.55
448-030	3	10	0	040	8.56
448-040	4	6	0	040	15.02
448-050	5	5	0	040	29.10
448-060	6	8	0	040	35.50
448-080F	8	1	2	047	173.26
448-100F	10	1	2	047	352.09
448-120F	12	1	0	047	703.50

Special Reinforced Cap SR Fipt - Stainless Steel Collar



448-012SR	1-1/4	25	100	046	6.40
-----------	-------	----	-----	-----	------

Plugs

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Plug Spig



449-003	3/8	50	700	040	1.65
449-005	1/2	50	1000	040	1.34
449-007	3/4	50	300	040	1.56
449-010	1	50	200	040	1.88
449-012	1-1/4	25	150	040	2.51
449-015	1-1/2	25	100	040	3.19
449-020	2	10	120	040	3.95
449-025	2-1/2	10	0	040	6.77
449-030	3	10	0	040	8.94
449-040	4	6	0	040	20.24
449-060	6	6	0	040	27.41
449-080F ⁴	8	1	6	047	106.77
449-100F ⁴	10	1	0	047	245.11
449-120F ⁴	12	1	0	047	400.78
449-140F ⁴	14	1	2	047	439.37
449-160F ⁴	16	1	0	047	485.87
449-180F ⁴	18	1	0	047	867.05
449-200F ⁴	20	1	0	047	1586.23

Plug (continued) Spig

449-240F ⁴	24	1	0	047	2111.49
-----------------------	----	---	---	-----	---------

⁴ Plug fabricated using Cap and pipe spigot.

Plug Mipt



450-003	3/8	50	700	040	1.80
450-005	1/2	50	500	040	1.65
450-007	3/4	50	300	040	1.78
450-010	1	50	400	040	2.89
450-012	1-1/4	25	300	040	3.04
450-015	1-1/2	25	150	040	3.27
450-020	2	10	120	040	4.22
450-025	2-1/2	10	0	040	5.86
450-030	3	10	0	040	8.87
450-040	4	6	0	040	20.02
450-060	6	6	0	040	58.69
450-080F ⁴	8	1	4	047	223.15
450-100F ⁴	10	1	3	047	357.59

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 19



Schedule 40 Fittings & Accessories Unions & PVC Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Union (continued)

Fipt with Buna O-ring Seal

458-025	2-1/2	5	0	040	46.98
458-030	3	5	0	040	75.40
458-040	4	4	0	040	100.06
458-060	6	1	0	040	222.39

Union

Fipt with EPDM O-ring Seal



150 psi @ 73°F (23°C)

498-005	1/2	10	60	040	7.39
498-007	3/4	10	60	040	12.35
498-010	1	10	60	040	16.82
498-012	1-1/4	5	20	040	28.88
498-015	1-1/2	5	30	040	29.57
498-020	2	5	0	040	36.32
498-025	2-1/2	5	0	040	50.85
498-030	3	5	0	040	81.96
498-040	4	4	0	040	110.45
498-060	6	1	0	040	245.45

Special Reinforced Union

Soc x SR FiPT with Buna O-ring Seal - Stainless Steel Collar



235 psi @ 73°F (23°C)

459-002SR	1/4	25	150	046	14.55
459-003SR	3/8	25	100	046	14.55
459-005SR	1/2	10	60	046	7.90
459-007SR	3/4	10	40	046	10.88
459-010SR	1	10	40	046	14.48
459-012SR	1-1/4	5	20	046	27.64
459-015SR	1-1/2	5	0	046	34.21
459-020SR	2	5	0	046	52.69
459-030SR	3	5	0	046	124.40
459-040SR	4	4	0	046	142.83
459-060SR	6	1	0	046	317.40

Special Reinforced Union

Soc x SR FiPT with EPDM O-ring Seal - Stainless Steel Collar



235 psi @ 73°F (23°C)

499-002SR	1/4	25	150	046	15.98
499-003SR	3/8	25	100	046	15.98
499-005SR	1/2	10	60	046	8.68
499-007SR	3/4	10	40	046	11.96
499-010SR	1	10	40	046	15.89
499-012SR	1-1/4	5	20	046	30.37
499-015SR	1-1/2	5	0	046	37.60
499-020SR	2	5	0	046	57.90
499-030SR	3	5	0	046	136.71
499-040SR	4	4	0	046	156.95
499-060SR	6	1	0	046	348.80

Transition Union

Soc x FiPT with Brass Thread Insert & Buna-N O-ring Seal



235 psi @ 73°F (23°C)

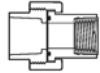
459-010BR	1	10	0	046	61.50
459-012BR	1-1/4	5	20	046	103.32
459-015BR	1-1/2	5	0	046	136.70
459-020BR	2	5	0	046	182.34

Not intended to convey or dispense water for human consumption through drinking or cooking

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Transition Union

Soc x FiPT with Brass Thread Insert & EPDM O-ring Seal



235 psi @ 73°F (23°C)

499-010BR	1	10	0	046	61.50
499-012BR	1-1/4	5	20	046	103.32
499-015BR	1-1/2	5	0	046	136.70
499-020BR	2	5	0	046	182.34

Not intended to convey or dispense water for human consumption through drinking or cooking

Saddle

IPS O.D. x Soc



NSF-61

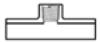
463-288	2-1/2X3/4	10	0	040	26.19
463-333 ¹	3X1/2	10	0	040	28.70
463-335 ¹	3X1	10	0	040	28.70
463-336 ¹	3X1-1/4	10	0	040	28.70
463-337	3X1-1/2	10	0	040	26.19
463-338 ²	3X2	10	0	040	28.70
463-415 ¹	4X1/2	10	0	040	38.30
463-416 ¹	4X3/4	10	0	040	47.11
463-417 ¹	4X1	10	0	040	38.30
463-418 ¹	4X1-1/4	10	0	040	38.30
463-419	4X1-1/2	10	0	040	34.99
463-420 ²	4X2	10	0	040	38.30
463-485 ¹	5X1-1/2	6	0	040	47.83
463-486	5X2	6	0	040	43.67
463-523 ¹	6X1/2	5	0	040	57.46
463-525 ¹	6X1	10	0	040	57.46
463-526 ¹	6X1-1/4	5	0	040	57.46
463-527	6X1-1/2	5	0	040	52.51
463-528 ²	6X2	5	0	040	57.46
463-530 ¹	6X3	5	0	040	82.01
463-532	6X4	5	0	040	66.06
463-573 ¹	8X1/2	5	0	040	85.68
463-575 ¹	8X1	5	0	040	85.68
463-576 ¹	8X1-1/4	5	0	040	85.68
463-577	8X1-1/2	5	0	040	78.24
463-578 ²	8X2	5	0	040	85.68
463-580 ¹	8X3	5	0	040	99.36
463-582	8X4	5	0	040	83.88
463-624	10X4	5	0	041	96.17

¹ Outlet-sized with Bushing
² Outlet-sized with Coupling

Note: See following Installation Instructions

Saddle

IPS O.D. x FiPT



NSF-61

464-288	2-1/2X3/4	10	0	040	26.19
464-337	3X1-1/2	10	0	040	26.19
464-419	4X1-1/2	10	0	040	34.99
464-486	5X2	6	0	040	43.67
464-527	6X1-1/2	5	0	040	52.48
464-532	6X4	5	0	040	66.06
464-577	8X1-1/2	5	0	040	78.24
464-582	8X4	5	0	040	83.88
464-624	10X4	5	0	041	96.17

Schedule 40 Fittings & Accessories
PVC Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Saddle (continued)

IPS O.D. x Fipt

Saddle Installation Instructions:

When Assembling Spears® Saddles to PVC pipe, Spears® Manufacturing Company recommends Industrial Polychemical Service (IPS) #719 Solvent Cement and #P-68 Primer, or equivalent. Although good connections may be accomplished without saddle straps, Spears® Manufacturing Company recommends the use of clamp or strap device during the assembly step to ensure good compression between the pipe and fitting surfaces as the solvent cures. Solvent cemented saddles are non pressure rated. For additional information, contact Spears® Technical Service.

Snap-On Saddle

IPS O.D. x Soc



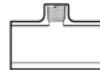
NSF-61

463-005	1/2	25	300	040	1.37
463-007	3/4	25	200	040	1.52
463-010	1	50	0	040	2.90
463-012	1-1/4	50	0	040	4.51
463-015	1-1/2	25	0	040	5.48
463-020	2	20	0	040	8.01
463-101	3/4X1/2	25	300	040	1.78
463-130	1X1/2	50	0	040	2.90

Note: See following installation instructions

Snap-On Saddle

IPS O.D. x Fipt



464-005	1/2	25	300	040	1.78
464-007	3/4	25	200	040	2.79
464-010	1	50	0	040	5.12
464-071	1/2X1/8	50	300	040	1.78
464-097	3/4X1/8	50	200	040	2.35
464-101	3/4X1/2	25	300	040	2.35
464-130	1X1/2	50	0	040	4.23
464-131	1X3/4	50	0	040	4.23
464-210	1-1/2X3/4	25	0	040	10.65

Snap-On Saddle Installation Instructions

- The surface to be joined must be wiped clean.
- Using an appropriate applicator, apply a coat of primer to the fitting and pipe.
- While the primer is still wet, apply a generous coat of medium bodied cement first to the pipe, then to the fitting and then to the pipe again, covering an area of the pipe slightly larger than the saddle.
- Without delay, push the saddle onto the pipe and rotate the fitting approximately 15° in each direction to evenly distribute the cement.
- Allow cement to cure.
- Drill fitting and pipe with the recommended size hole saw.
- Remove debris from the line.
- Follow all safe handling precautions.

Solvent cemented saddles are non pressure rated. For additional information, contact Spears® Technical Service.

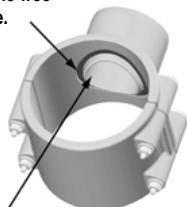


Schedule 40 Fittings & Accessories Clamp-On & Hot-Tap Saddles

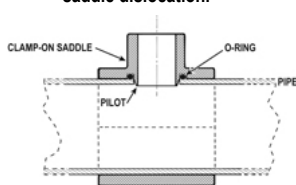
Spears® Two-Piece Clamp-On Saddle Design Clamps onto Pipe for Quick and Easy Installation



O-ring seal provides
positive, trouble-free
sealing to pipe.

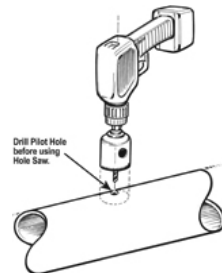


Special pilot
engages with hole
in pipe to prevent
saddle dislocation.



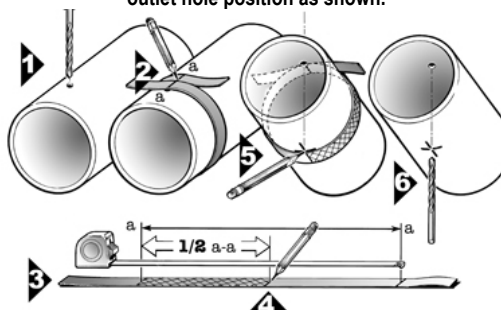
Clamp-On Saddle Installation Instructions

1. Using a standard industrial grade hole-saw, cut specified hole in desired position on pipe according to recommended hole saw size engraved on the saddle. Note: Care must be taken to deburr hole and remove all residue from hole area to assure tight fit and avoid leakage.
2. Fully seat O-ring in groove on underside of saddle outlet component. Position over hole and fully seat saddle onto pipe. Note: Certain saddle outlets are piloted. Be sure pilot lip fully engages with hole in pipe.
3. Place strap component opposite outlet and secure with bolts (4), nuts (4) and washers (8). Important: Washers MUST be placed under each bolt head (1) and under each nut (1) to avoid damage to saddle.
4. Tighten bolts to specified torque.



Saddle Size	2	3	4	6 & up
Recommended Bolt-Torque - ft/lb	8	8	8	10

For Double Outlet Saddle Installation — Determine second outlet hole position as shown.



Spears® Hot-Tap Saddles Designed for Adding Branch Connections to Piping Systems Under Live ("Hot") Pressure

Hot-Tap Saddle branch outlets are either 3/4" socket (with 1" Spigot O.D.) or 1-1/2" socket (with 2" Spigot O.D.) in saddle sizes 2" through 6" to fit IPS pipe using a built-in O-ring seal. Internal cutter is operated using conventional ratchet and drive extension and permanently retains coupon cut from pipe. Maximum operating pressure at 73°F (23°C) is 235 psi for saddle sizes 2" - 4", 200 psi for 6" saddles and 150 psi for 8" saddles. See packaged Installation Instructions for details.

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------------	-----------	-------------	--------------	---------------

PVC White Clamp-On Saddle x Soc Single Outlet

with Buna-N O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

466-247	2X1/2	3/4	1	10	046	27.01
466-248	2X3/4	7/8	1	10	046	27.01
466-249	2X1	1-1/8	1	10	046	27.01
466-250	2X1-1/4	1-1/2	1	10	046	27.01
466-251	2X1-1/2	1-1/2	1	10	046	27.01
466-291	2-1/2X1-1/2	1-3/4	1	10	046	36.64
466-333 ¹	3X1/2	7/8	1	10	046	36.64
466-334	3X3/4	7/8	1	10	046	36.64
466-335	3X1	1-1/8	1	10	046	36.64
466-336 ¹	3X1-1/4	2-1/4	1	10	046	36.64
466-337 ¹	3X1-1/2	2-1/4	1	10	046	36.64
466-338	3X2	2-1/4	1	10	046	36.64



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------------	-----------	-------------	--------------	---------------

PVC White Clamp-On Saddle x Soc Single Outlet (continued)

with Buna-N O-ring Seal & Zinc-Plated Hardware

466-415 ¹	4X1/2	1-1/8	1	10	046	46.95
466-416 ¹	4X3/4	1-1/8	1	10	046	46.95
466-417	4X1	1-1/8	1	8	046	46.95
466-418 ¹	4X1-1/4	1-3/4	1	8	046	46.95
466-419	4X1-1/2	1-3/4	1	8	046	46.95
466-420	4X2	2-1/4	1	8	046	46.95
466-421 ¹	4X2-1/2	3	1	4	046	53.12
466-422	4X3	3	1	4	046	58.35
466-523 ¹	6X1/2	1-1/8	1	4	046	80.78
466-524 ¹	6X3/4	1-1/8	1	4	046	80.78
466-525	6X1	1-1/8	1	4	046	80.78
466-526 ¹	6X1-1/4	2-1/4	1	4	046	80.78
466-527 ¹	6X1-1/2	2-1/4	1	4	046	80.78
466-528	6X2	2-1/4	1	4	046	80.78

Schedule 40 Fittings & Accessories Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x Soc Single Outlet

(continued)

with Buna-N O-ring Seal & Zinc-Plated Hardware

466-529 ¹	6X2-1/2	3	1	4	046	88.81
466-530	6X3	3	1	4	046	92.53
466-532	6X4	4	1	4	046	97.41
466-573 ¹	8X1/2	4	1	0	046	125.59
466-574 ¹	8X3/4	4	1	0	046	125.59
466-575 ¹	8X1	4	1	0	046	125.59
466-576 ¹	8X1-1/4	4	1	0	046	125.59
466-577 ¹	8X1-1/2	4	1	0	046	125.59
466-578 ¹	8 X 2	4	1	0	046	125.59
466-579 ¹	8X2-1/2	4	1	0	046	138.09
466-580 ¹	8X3	4	1	0	046	146.43
466-582	8X4	4	1	0	046	155.07
466-585	8X6	6	1	0	046	172.22
466-620 ¹	10X1-1/2	4	1	0	046	204.93
466-624	10X4	4	1	0	046	204.93
466-626	10X6	6	1	0	046	235.64
466-660 ¹	12X1-1/2	4	1	0	046	256.89
466-664	12X4	4	1	0	046	256.89
466-666	12X6	6	1	0	046	297.90

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x Soc Single Outlet

with Buna-N O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



466S-247	2X1/2	3/4	1	10	046	44.40
466S-248	2X3/4	7/8	1	10	046	44.40
466S-249	2X1	1-1/8	1	10	046	44.40
466S-250	2X1-1/4	1-1/2	1	10	046	44.40
466S-251	2X1-1/2	1-1/2	1	10	046	44.40
466S-291	2-1/2X1-1/2	1-3/4	1	10	046	59.74
466S-333 ¹	3X1/2	7/8	1	10	046	59.74
466S-334	3X3/4	7/8	1	10	046	59.74
466S-335	3X1	1-1/8	1	10	046	59.74
466S-336 ¹	3X1-1/4	2-1/4	1	10	046	59.74
466S-337 ¹	3X1-1/2	2-1/4	1	10	046	59.74
466S-338	3X2	2-1/4	1	10	046	59.74
466S-415 ¹	4X1/2	1-1/8	1	10	046	75.16
466S-416 ¹	4X3/4	1-1/8	1	10	046	75.16
466S-417	4X1	1-1/8	1	10	046	75.16
466S-418 ¹	4X1-1/4	1-3/4	1	8	046	75.16
466S-419	4X1-1/2	1-3/4	1	8	046	75.16
466S-420	4X2	2-1/4	1	8	046	75.16
466S-421 ¹	4X2-1/2	3	1	4	046	82.13
466S-422	4X3	3	1	4	046	85.43
466S-523 ¹	6X1/2	1-1/8	1	4	046	123.11
466S-524 ¹	6X3/4	1-1/8	1	4	046	123.11
466S-525	6X1	1-1/8	1	4	046	123.11
466S-526 ¹	6X1-1/4	2-1/4	1	4	046	123.11
466S-527 ¹	6X1-1/2	2-1/4	1	4	046	123.11
466S-528	6X2	2-1/4	1	4	046	123.11
466S-529 ¹	6X2-1/2	3	1	4	046	127.16
466S-530	6X3	3	1	4	046	129.78
466S-532	6X4	4	1	4	046	135.56
466S-573 ¹	8X1/2	4	1	0	046	179.74
466S-574 ¹	8X3/4	4	1	0	046	179.74
466S-575 ¹	8X1	4	1	0	046	179.74
466S-576 ¹	8X1-1/4	4	1	0	046	179.74
466S-577 ¹	8X1-1/2	4	1	0	046	179.74
466S-578 ¹	8 X 2	4	1	0	046	179.74
466S-579 ¹	8X2-1/2	4	1	0	046	197.72
466S-580 ¹	8X3	4	1	0	046	207.63
466S-582	8X4	4	1	0	046	220.14
466S-585	8X6	6	1	0	046	244.31

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x Soc Single Outlet

(continued)

with Buna-N O-ring Seal & SS Hardware

466S-620 ¹	10X1-1/2	4	1	0	046	290.72
466S-624	10X4	4	1	0	046	290.72
466S-626	10X6	6	1	0	046	334.34
466S-664	12X4	4	1	0	046	364.41
466S-666	12X6	6	1	0	046	422.74

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x Soc Single Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



466E-247	2X1/2	3/4	1	10	046	29.10
466E-248	2X3/4	7/8	1	10	046	29.10
466E-249	2X1	1-1/8	1	10	046	29.10
466E-250	2X1-1/4	1-1/2	1	10	046	29.10
466E-251	2X1-1/2	1-1/2	1	10	046	29.10
466E-291	2-1/2X1-1/2	1-3/4	1	10	046	37.60
466E-333 ¹	3X1/2	7/8	1	10	046	37.60
466E-334	3X3/4	7/8	1	10	046	37.60
466E-335	3X1	1-1/8	1	10	046	37.60
466E-336 ¹	3X1-1/4	2-1/4	1	10	046	37.60
466E-337 ¹	3X1-1/2	2-1/4	1	10	046	37.60
466E-338	3X2	2-1/4	1	10	046	37.60
466E-415 ¹	4X1/2	1-1/8	1	10	046	48.15
466E-416 ¹	4X3/4	1-1/8	1	10	046	48.15
466E-417	4X1	1-1/8	1	8	046	48.15
466E-418 ¹	4X1-1/4	1-3/4	1	8	046	48.15
466E-419	4X1-1/2	1-3/4	1	8	046	48.15
466E-420	4X2	2-1/4	1	8	046	48.15
466E-421 ¹	4X2-1/2	3	1	4	046	58.59
466E-422	4X3	3	1	4	046	65.54
466E-523 ¹	6X1/2	1-1/8	1	4	046	86.38
466E-524 ¹	6X3/4	1-1/8	1	4	046	86.38
466E-525	6X1	1-1/8	1	4	046	86.38
466E-526 ¹	6X1-1/4	2-1/4	1	4	046	86.38
466E-527 ¹	6X1-1/2	2-1/4	1	4	046	86.38
466E-528	6X2	2-1/4	1	4	046	86.38
466E-529 ¹	6X2-1/2	3	1	4	046	96.06
466E-530	6X3	3	1	4	046	101.48
466E-532	6X4	4	1	4	046	106.93
466E-573	8X1/2	4	1	0	046	132.78
466E-574	8X3/4	4	1	0	046	132.78
466E-575	8X1	4	1	0	046	132.78
466E-576 ¹	8X1-1/4	4	1	0	046	132.78
466E-577 ¹	8X1-1/2	4	1	0	046	132.78
466E-578 ¹	8 X 2	4	1	0	046	132.78
466E-579	8X2-1/2	4	1	0	046	146.10
466E-580 ¹	8X3	4	1	0	046	153.29
466E-582	8X4	4	1	0	046	162.61
466E-585	8X6	6	1	0	046	180.43
466E-624	10X4	4	1	0	046	214.72
466E-626	10X6	6	1	0	046	246.94
466E-664	12X4	4	1	0	046	269.14
466E-666	12X6	6	1	0	046	318.01

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x Soc Single Outlet

with EPDM O-ring & Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



466SE-247	2X1/2	3/4	1	10	046	45.80
466SE-248	2X3/4	7/8	1	10	046	45.80
466SE-249	2X1	1-1/8	1	10	046	45.80
466SE-250	2X1-1/4	1-1/2	1	10	046	45.80

Page 23



Schedule 40 Fittings & Accessories Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x Soc Single Outlet

(continued)

with EPDM O-ring & Seal & SS Hardware

466SE-251	2X1-1/2	1-1/2	1	10	046	45.80
466SE-291	2-1/2X1-1/2	1-3/4	1	10	046	61.60
466SE-333 ¹	3X1/2	7/8	1	10	046	61.60
466SE-334	3X3/4	7/8	1	10	046	61.60
466SE-335	3X1	1-1/8	1	10	046	61.60
466SE-336 ¹	3X1-1/4	2-1/4	1	10	046	61.60
466SE-337 ¹	3X1-1/2	2-1/4	1	10	046	61.60
466SE-338	3X2	2-1/4	1	10	046	61.60
466SE-415 ¹	4X1/2	1-1/8	1	10	046	76.05
466SE-416 ¹	4X3/4	1-1/8	1	10	046	76.05
466SE-417	4X1	1-1/8	1	8	046	76.05
466SE-418 ¹	4X1-1/4	1-3/4	1	8	046	76.05
466SE-419	4X1-1/2	1-3/4	1	8	046	76.05
466SE-420	4X2	2-1/4	1	8	046	76.05
466SE-421 ¹	4X2-1/2	3	1	4	046	82.23
466SE-422	4X3	3	1	4	046	91.10
466SE-523 ¹	6X1/2	1-1/8	1	4	046	129.39
466SE-524 ¹	6X3/4	1-1/8	1	4	046	129.39
466SE-525	6X1	1-1/8	1	4	046	129.39
466SE-526 ¹	6X1-1/4	2-1/4	1	4	046	129.39
466SE-527 ¹	6X1-1/2	2-1/4	1	4	046	129.39
466SE-528	6X2	2-1/4	1	4	046	129.39
466SE-529 ¹	6X2-1/2	3	1	4	046	135.91
466SE-530	6X3	3	1	4	046	140.18
466SE-532	6X4	4	1	4	046	147.02
466SE-573	8X1/2	4	1	0	046	187.95
466SE-574 ¹	8X3/4	4	1	0	046	187.95
466SE-575 ¹	8X1	4	1	0	046	187.95
466SE-576	8X1-1/4	4	1	0	046	187.95
466SE-577 ¹	8X1-1/2	4	1	0	046	187.95
466SE-578 ¹	8X2	4	1	0	046	187.95
466SE-579 ¹	8X2-1/2	4	1	0	046	206.73
466SE-580 ¹	8X3	4	1	0	046	217.03
466SE-582	8X4	4	1	0	046	230.00
466SE-585	8X6	6	1	0	046	255.34
466SE-624	10X4	4	1	0	046	303.79
466SE-626	10X6	6	1	0	046	349.37
466SE-664	12X4	4	1	0	046	380.76
466SE-666	12X6	4	1	0	046	441.71

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x SR Thread Single Outlet

with Buna-N O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



467-247SR	2X1/2	3/4	1	10	046	30.18
467-248SR	2X3/4	7/8	1	10	046	30.18
467-249SR	2X1	1-1/8	1	10	046	30.18
467-250SR	2X1-1/4	1-1/2	1	10	046	30.18
467-251SR	2X1-1/2	1-1/2	1	10	046	30.18
467-291SR	2-1/2X1-1/2	1-3/4	1	10	046	41.28
467-333SR ¹	3X1/2	7/8	1	10	046	41.28
467-334SR	3X3/4	7/8	1	10	046	41.28
467-335SR	3X1	1-1/8	1	10	046	41.28
467-336SR ¹	3X1-1/4	2-1/4	1	10	046	41.28
467-337SR ¹	3X1-1/2	2-1/4	1	10	046	41.28
467-338SR	3X2	2-1/4	1	10	046	41.28
467-415SR ¹	4X1/2	1-1/8	1	10	046	51.97
467-416SR ¹	4X3/4	1-1/8	1	10	046	51.97
467-417SR	4X1	1-1/8	1	8	046	51.97
467-418SR ¹	4X1-1/4	1-3/4	1	8	046	51.97
467-419SR	4X1-1/2	1-3/4	1	8	046	51.97
467-420SR	4X2	2-1/4	1	8	046	51.97
467-421SR ¹	4X2-1/2	3	1	4	046	56.22

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x SR Thread Single Outlet (continued)

with Buna-N O-ring Seal & Zinc-Plated Hardware

467-422SR	4X3	3	1	4	046	61.30
467-523SR ¹	6X1/2	1-1/8	1	4	046	90.76
467-524SR ¹	6X3/4	1-1/8	1	4	046	90.76
467-525SR	6X1	1-1/8	1	4	046	90.76
467-526SR ¹	6X1-1/4	2-1/4	1	4	046	90.76
467-527SR ¹	6X1-1/2	2-1/4	1	4	046	90.76
467-528SR	6X2	2-1/4	1	4	046	90.76
467-529SR ¹	6X2-1/2	3	1	4	046	107.10
467-530SR	6X3	3	1	4	046	113.95
467-532SR	6X4	4	1	4	046	118.63
467-573SR ¹	8X1/2	4	1	0	046	138.33
467-574SR ¹	8X3/4	4	1	0	046	138.33
467-575SR ¹	8X1	4	1	0	046	138.33
467-576SR ¹	8X1-1/4	4	1	0	046	138.33
467-577SR ¹	8X1-1/2	4	1	0	046	138.33
467-578SR ¹	8X2	4	1	0	046	138.33
467-579SR ¹	8X2-1/2	4	1	0	046	152.13
467-580SR ¹	8X3	4	1	0	046	159.82
467-582SR	8X4	4	1	0	046	169.38
467-585SR	8X6	6	1	0	046	186.31
467-624SR	10X4	4	1	0	046	221.78
467-626SR	10X6	6	1	0	046	254.91
467-664SR	12X4	4	1	0	046	277.81
467-666SR	12X6	6	1	0	046	322.24

¹ Outlet-sized with Bushing

PVC White Clamp-On Saddle x SR Thread Single Outlet

with Buna-N O-ring Seal & SS Hardware



2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

467S-247SR	2X1/2	3/4	1	10	046	49.36
467S-248SR	2X3/4	7/8	1	10	046	49.36
467S-249SR	2X1	1-1/8	1	10	046	49.36
467S-250SR	2X1-1/4	1-1/2	1	10	046	49.36
467S-251SR	2X1-1/2	1-1/2	1	10	046	49.36
467S-291SR	2-1/2X1-1/2	1-3/4	1	10	046	66.38
467S-333SR ¹	3X1/2	7/8	1	10	046	66.38
467S-334SR	3X3/4	7/8	1	10	046	66.38
467S-335SR	3X1	1-1/8	1	10	046	66.38
467S-336SR ¹	3X1-1/4	2-1/4	1	10	046	66.38
467S-337SR ¹	3X1-1/2	2-1/4	1	10	046	66.38
467S-338SR	3X2	2-1/4	1	10	046	66.38
467S-415SR ¹	4X1/2	1-1/8	1	10	046	83.51
467S-416SR ¹	4X3/4	1-1/8	1	10	046	83.51
467S-417SR	4X1	1-1/8	1	8	046	83.51
467S-418SR ¹	4X1-1/4	1-3/4	1	8	046	83.51
467S-419SR	4X1-1/2	1-3/4	1	8	046	83.51
467S-420SR	4X2	2-1/4	1	8	046	83.51
467S-421SR ¹	4X2-1/2	3	1	4	046	88.81
467S-422SR	4X3	3	1	4	046	93.79
467S-523SR ¹	6X1/2	1-1/8	1	4	046	139.17
467S-524SR ¹	6X3/4	1-1/8	1	4	046	139.17
467S-525SR	6X1	1-1/8	1	4	046	139.17
467S-526SR ¹	6X1-1/4	2-1/4	1	4	046	139.17
467S-527SR ¹	6X1-1/2	2-1/4	1	4	046	139.17
467S-528SR	6X2	2-1/4	1	4	046	139.17
467S-529SR ¹	6X2-1/2	3	1	4	046	149.77
467S-530SR	6X3	3	1	4	046	154.15
467S-532SR	6X4	4	1	4	046	160.12
467S-573SR ¹	8X1/2	4	1	0	046	200.43
467S-574SR ¹	8X3/4	4	1	0	046	200.43
467S-575SR ¹	8X1	4	1	0	046	200.43
467S-576SR ¹	8X1-1/4	4	1	0	046	200.43
467S-577SR ¹	8X1-1/2	4	1	0	046	200.43

Schedule 40 Fittings & Accessories Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x SR Thread Single Outlet (continued)

with Buna-N O-ring Seal & SS Hardware

467S-578SR ¹	8X2	4	1	0	046	200.43
467S-579SR ¹	8X2-1/2	4	1	0	046	217.67
467S-580SR ¹	8X3	4	1	0	046	228.53
467S-582SR	8X4	4	1	0	046	242.27
467S-585SR	8X6	6	1	0	046	266.36
467S-624SR	10X4	4	1	0	046	317.03
467S-626SR	10X6	6	1	0	046	364.57
467S-664SR	12X4	4	1	0	046	397.41
467S-666SR	12X6	6	1	0	046	460.83

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x SR Thread Single Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



467E-247SR	2X1/2	3/4	1	10	046	32.48
467E-248SR	2X3/4	7/8	1	10	046	32.48
467E-249SR	2X1	1-1/8	1	10	046	32.48
467E-250SR	2X1-1/4	1-1/2	1	10	046	32.48
467E-251SR	2X1-1/2	1-1/2	1	10	046	32.48
467E-291SR	2-1/2X1-1/2	1-3/4	1	10	046	45.29
467E-333SR ¹	3X1/2	7/8	1	10	046	45.29
467E-334SR	3X3/4	7/8	1	10	046	45.29
467E-335SR	3X1	1-1/8	1	10	046	45.29
467E-336SR ¹	3X1-1/4	2-1/4	1	10	046	45.29
467E-337SR ¹	3X1-1/2	2-1/4	1	10	046	45.29
467E-338SR	3X2	2-1/4	1	10	046	45.29
467E-415SR ¹	4X1/2	1-1/8	1	10	046	56.62
467E-416SR ¹	4X3/4	1-1/8	1	10	046	56.62
467E-417SR	4X1	1-1/8	1	8	046	56.62
467E-418SR ¹	4X1-1/4	1-3/4	1	8	046	56.62
467E-419SR	4X1-1/2	1-3/4	1	8	046	56.62
467E-420SR	4X2	2-1/4	1	8	046	56.62
467E-421SR ¹	4X2-1/2	3	1	4	046	60.68
467E-422SR	4X3	3	1	4	046	65.05
467E-523SR ¹	6X1/2	1-1/8	1	4	046	94.48
467E-524SR ¹	6X3/4	1-1/8	1	4	046	94.48
467E-525SR	6X1	1-1/8	1	4	046	94.48
467E-526SR ¹	6X1-1/4	2-1/4	1	4	046	94.48
467E-527SR ¹	6X1-1/2	2-1/4	1	4	046	94.48
467E-528SR	6X2	2-1/4	1	4	046	94.48
467E-529SR ¹	6X2-1/2	3	1	4	046	117.03
467E-530SR	6X3	3	1	4	046	123.12
467E-532SR	6X4	4	1	4	046	129.32
467E-573SR ¹	8X1/2	4	1	0	046	143.14
467E-574SR ¹	8X3/4	4	1	0	046	143.14
467E-575SR ¹	8X1	4	1	0	046	143.14
467E-576SR ¹	8X1-1/4	4	1	0	046	143.14
467E-577SR ¹	8X1-1/2	4	1	0	046	143.14
467E-578SR ¹	8X2	4	1	0	046	143.14
467E-579SR ¹	8X2-1/2	4	1	0	046	157.45
467E-580SR ¹	8X3	4	1	0	046	165.37
467E-582SR	8X4	4	1	0	046	175.28
467E-585SR	8X6	6	1	0	046	194.46
467E-624SR	10X4	4	1	0	046	231.39
467E-626SR	10X6	6	1	0	046	266.05
467E-664SR	12X4	4	1	0	046	290.06
467E-666SR	12X6	6	1	0	046	336.48

¹Outlet-sized with Bushing

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x SR Thread Single Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



467SE-247SR	2X1/2	3/4	1	10	046	50.84
467SE-248SR	2X3/4	7/8	1	10	046	50.84
467SE-249SR	2X1	1-1/8	1	10	046	50.84
467SE-250SR	2X1-1/4	1-1/2	1	10	046	50.84
467SE-251SR	2X1-1/2	1-1/2	1	10	046	50.84
467SE-291SR	2-1/2X1-1/2	1-3/4	1	10	046	68.23
467SE-333SR ¹	3X1/2	7/8	1	10	046	68.23
467SE-334SR	3X3/4	7/8	1	10	046	68.23
467SE-335SR	3X1	1-1/8	1	10	046	68.23
467SE-336SR ¹	3X1-1/4	2-1/4	1	10	046	68.23
467SE-337SR ¹	3X1-1/2	2-1/4	1	10	046	68.23
467SE-338SR	3X2	2-1/4	1	10	046	68.23
467SE-415SR ¹	4X1/2	1-1/8	1	10	046	85.61
467SE-416SR ¹	4X3/4	1-1/8	1	10	046	85.61
467SE-417SR	4X1	1-1/8	1	8	046	85.61
467SE-418SR ¹	4X1-1/4	1-3/4	1	8	046	85.61
467SE-419SR	4X1-1/2	1-3/4	1	8	046	85.61
467SE-420SR	4X2	2-1/4	1	8	046	85.61
467SE-421SR ¹	4X2-1/2	3	1	4	046	89.26
467SE-422SR	4X3	3	1	4	046	94.22
467SE-523SR ¹	6X1/2	1-1/8	1	4	046	143.86
467SE-524SR ¹	6X3/4	1-1/8	1	4	046	143.86
467SE-525SR	6X1	1-1/8	1	4	046	143.86
467SE-526SR ¹	6X1-1/4	2-1/4	1	4	046	143.86
467SE-527SR ¹	6X1-1/2	2-1/4	1	4	046	143.86
467SE-528SR	6X2	2-1/4	1	4	046	143.86
467SE-529SR ¹	6X2-1/2	3	1	4	046	156.15
467SE-530SR	6X3	3	1	4	046	161.98
467SE-532SR	6X4	4	1	4	046	164.90
467SE-573SR ¹	8X1/2	4	1	0	046	206.39
467SE-574SR ¹	8X3/4	4	1	0	046	206.39
467SE-575SR ¹	8X1	4	1	0	046	206.39
467SE-576SR ¹	8X1-1/4	4	1	0	046	206.39
467SE-577SR ¹	8X1-1/2	4	1	0	046	206.39
467SE-578SR ¹	8X2	4	1	0	046	206.39
467SE-579SR ¹	8X2-1/2	4	1	0	046	227.14
467SE-580SR ¹	8X3	4	1	0	046	238.43
467SE-582SR	8X4	4	1	0	046	252.81
467SE-585SR	8X6	6	1	0	046	278.05
467SE-624SR	10X4	4	1	0	046	330.76
467SE-626SR	10X6	6	1	0	046	380.61
467SE-666SR	12X6	6	1	0	046	481.10

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x Soc Double Outlet

with Buna-N O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



468-247	2X1/2	3/4	1	10	046	32.62
468-248	2X3/4	7/8	1	10	046	32.62
468-249	2X1	1-1/8	1	10	046	32.62
468-250	2X1-1/4	1-1/2	1	10	046	32.62
468-251	2X1-1/2	1-1/2	1	10	046	32.62
468-291	2-1/2X1-1/2	1-3/4	1	10	046	43.55
468-333 ¹	3X1/2	7/8	1	10	046	43.55
468-334	3X3/4	7/8	1	10	046	43.55
468-335	3X1	1-1/8	1	10	046	43.55
468-336 ¹	3X1-1/4	2-1/4	1	10	046	43.55
468-337 ¹	3X1-1/2	2-1/4	1	10	046	43.55
468-338	3X2	2-1/4	1	10	046	43.55
468-415 ¹	4X1/2	1-1/8	1	10	046	55.18
468-416 ¹	4X3/4	1-1/8	1	10	046	55.18



Schedule 40 Fittings & Accessories Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x Soc Double Outlet (continued)

with Buna-N O-ring Seal & Zinc-Plated Hardware

468-417	4X1	1-1/8	1	8	046	55.18
468-418 ¹	4X1-1/4	1-3/4	1	8	046	55.18
468-419	4X1-1/2	1-3/4	1	8	046	55.18
468-420	4X2	2-1/4	1	8	046	55.18
468-421 ¹	4X2-1/2	3	1	4	046	57.76
468-422	4X3	3	1	4	046	65.21
468-523 ¹	6X1/2	1-1/8	1	4	046	90.86
468-524 ¹	6X3/4	1-1/8	1	4	046	90.86
468-525	6X1	1-1/8	1	4	046	90.86
468-526 ¹	6X1-1/4	2-1/4	1	4	046	90.86
468-527 ¹	6X1-1/2	2-1/4	1	4	046	90.86
468-528	6X2	2-1/4	1	4	046	90.86
468-529 ¹	6X2-1/2	3	1	4	046	103.41
468-530	6X3	3	1	4	046	108.11
468-532	6X4	4	1	4	046	116.21
468-573 ¹	8X1/2	4	1	0	046	130.41
468-574 ¹	8X3/4	4	1	0	046	130.41
468-575 ¹	8X1	4	1	0	046	130.41
468-576 ¹	8X1-1/4	4	1	0	046	130.41
468-577 ¹	8X1-1/2	4	1	0	046	130.41
468-578 ¹	8X2	4	1	0	046	130.41
468-579 ¹	8X2-1/2	4	1	0	046	143.39
468-580 ¹	8X3	4	1	0	046	150.60
468-582	8X4	4	1	0	046	159.67
468-585	8X6	6	1	0	046	177.14
468-624	10X4	4	1	0	046	210.80
468-626	10X6	6	1	0	046	242.34
468-664	12X4	4	1	0	046	264.24
468-666	12X6	6	1	0	046	306.56

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x Soc Double Outlet

with Buna-N O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

468S-247	2X1/2	3/4	1	10	046	52.35
468S-248	2X3/4	7/8	1	10	046	52.35
468S-249	2X1	1-1/8	1	10	046	52.35
468S-250	2X1-1/4	1-1/2	1	10	046	52.35
468S-251	2X1-1/2	1-1/2	1	10	046	52.35
468S-291	2-1/2X1-1/2	1-3/4	1	10	046	69.89
468S-333 ¹	3X1/2	7/8	1	10	046	69.89
468S-334	3X3/4	7/8	1	10	046	69.89
468S-335	3X1	1-1/8	1	10	046	69.89
468S-336 ¹	3X1-1/4	2-1/4	1	10	046	69.89
468S-337 ¹	3X1-1/2	2-1/4	1	10	046	69.89
468S-338	3X2	2-1/4	1	10	046	69.89
468S-415 ¹	4X1/2	1-1/8	1	10	046	87.23
468S-416 ¹	4X3/4	1-1/8	1	10	046	87.23
468S-417	4X1	1-1/8	1	8	046	87.23
468S-418 ¹	4X1-1/4	1-3/4	1	8	046	87.23
468S-419	4X1-1/2	1-3/4	1	8	046	87.23
468S-420	4X2	2-1/4	1	8	046	87.23
468S-421 ¹	4X2-1/2	3	1	4	046	91.67
468S-422	4X3	3	1	4	046	100.59
468S-523 ¹	6X1/2	1-1/8	1	4	046	144.09
468S-524 ¹	6X3/4	1-1/8	1	4	046	144.09
468S-525	6X1	1-1/8	1	4	046	144.09
468S-526 ¹	6X1-1/4	2-1/4	1	4	046	144.09
468S-527 ¹	6X1-1/2	2-1/4	1	4	046	144.09
468S-528	6X2	2-1/4	1	4	046	144.09
468S-529 ¹	6X2-1/2	3	1	4	046	150.55
468S-530	6X3	3	1	4	046	153.14
468S-532	6X4	4	1	4	046	158.11



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x Soc Double Outlet (continued)

with Buna-N O-ring Seal & SS Hardware

468S-573 ¹	8X1/2	4	1	0	046	193.82
468S-574 ¹	8X3/4	4	1	0	046	193.82
468S-575 ¹	8X1	4	1	0	046	193.82
468S-576 ¹	8X1-1/4	4	1	0	046	193.82
468S-577 ¹	8X1-1/2	4	1	0	046	193.82
468S-578 ¹	8X2	4	1	0	046	193.82
468S-579 ¹	8X2-1/2	4	1	0	046	213.17
468S-580 ¹	8X3	4	1	0	046	223.96
468S-582	8X4	4	1	0	046	237.28
468S-585	8X6	6	1	0	046	260.97
468S-624	10X4	4	1	0	046	310.48
468S-626	10X6	6	1	0	046	357.14
468S-664	12X4	4	1	0	046	389.27
468S-666	12X6	6	1	0	046	451.53

¹Outlet-sized with Bushing.

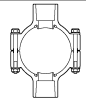
PVC White Clamp-On Saddle x Soc Double Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

468E-247	2X1/2	3/4	1	10	046	34.30
468E-248	2X3/4	7/8	1	10	046	34.30
468E-249	2X1	1-1/8	1	10	046	34.30
468E-250	2X1-1/4	1-1/2	1	10	046	34.30
468E-251	2X1-1/2	1-1/2	1	10	046	34.30
468E-291	2-1/2X1-1/2	1-3/4	1	10	046	47.38
468E-333 ¹	3X1/2	7/8	1	10	046	47.38
468E-334	3X3/4	7/8	1	10	046	47.38
468E-335	3X1	1-1/8	1	10	046	47.38
468E-336 ¹	3X1-1/4	2-1/4	1	10	046	47.38
468E-337 ¹	3X1-1/2	2-1/4	1	10	046	47.38
468E-338	3X2	2-1/4	1	10	046	47.38
468E-415 ¹	4X1/2	1-1/8	1	10	046	57.61
468E-416 ¹	4X3/4	1-1/8	1	10	046	57.61
468E-417	4X1	1-1/8	1	8	046	57.61
468E-418 ¹	4X1-1/4	1-3/4	1	8	046	57.61
468E-419	4X1-1/2	1-3/4	1	8	046	57.61
468E-420	4X2	2-1/4	1	8	046	57.61
468E-421 ¹	4X2-1/2	3	1	4	046	61.78
468E-422	4X3	3	1	4	046	68.85
468E-523 ¹	6X1/2	1-1/8	1	4	046	96.71
468E-524 ¹	6X3/4	1-1/8	1	4	046	96.71
468E-525	6X1	1-1/8	1	4	046	96.71
468E-526 ¹	6X1-1/4	2-1/4	1	4	046	96.71
468E-527 ¹	6X1-1/2	2-1/4	1	4	046	96.71
468E-528	6X2	2-1/4	1	4	046	96.71
468E-529 ¹	6X2-1/2	3	1	4	046	108.16
468E-530	6X3	3	1	4	046	116.36
468E-532	6X4	4	1	4	046	122.60
468E-573 ¹	8X1/2	4	1	0	046	145.91
468E-574 ¹	8X3/4	4	1	0	046	145.91
468E-575 ¹	8X1	4	1	0	046	145.91
468E-576 ¹	8X1-1/4	4	1	0	046	145.91
468E-577 ¹	8X1-1/2	4	1	0	046	145.91
468E-578 ¹	8X2	4	1	0	046	145.91
468E-579 ¹	8X2-1/2	4	1	0	046	160.57
468E-580 ¹	8X3	4	1	0	046	168.65
468E-582	8X4	4	1	0	046	178.79
468E-585	8X6	6	1	0	046	196.60
468E-624	10X4	4	1	0	046	234.01
468E-626	10X6	6	1	0	046	268.99
468E-664	12X4	4	1	0	046	293.33
468E-666	12X6	6	1	0	046	340.15

¹Outlet-sized with Bushing



Schedule 40 Fittings & Accessories Clamp-On & Hot-Tap Saddles

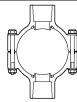


Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x Soc Double Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



468SE-247	2X1/2	3/4	1	10	046	55.98
468SE-248	2X3/4	7/8	1	10	046	55.98
468SE-249	2X1	1-1/8	1	10	046	55.98
468SE-250	2X1-1/4	1-1/2	1	10	046	55.98
468SE-251	2X1-1/2	1-1/2	1	10	046	55.98
468SE-291	2-1/2X1-1/2	1-3/4	1	10	046	74.03
468SE-333 ¹	3X1/2	7/8	1	10	046	74.03
468SE-334	3X3/4	7/8	1	10	046	74.03
468SE-335	3X1	1-1/8	1	10	046	74.03
468SE-336 ¹	3X1-1/4	2-1/4	1	10	046	74.03
468SE-337 ¹	3X1-1/2	2-1/4	1	10	046	74.03
468SE-338	3X2	2-1/4	1	10	046	74.03
468SE-415 ¹	4X1/2	1-1/8	1	10	046	92.41
468SE-416 ¹	4X3/4	1-1/8	1	10	046	92.41
468SE-417	4X1	1-1/8	1	8	046	92.41
468SE-418 ¹	4X1-1/4	1-3/4	1	8	046	92.41
468SE-419	4X1-1/2	1-3/4	1	8	046	92.41
468SE-420	4X2	2-1/4	1	8	046	92.41
468SE-421 ¹	4X2-1/2	3	1	4	046	100.87
468SE-422	4X3	3	4	0	046	107.52
468SE-523 ¹	6X1/2	1-1/8	1	4	046	154.04
468SE-524 ¹	6X3/4	1-1/8	1	4	046	154.04
468SE-525	6X1	1-1/8	1	4	046	154.04
468SE-526 ¹	6X1-1/4	2-1/4	1	4	046	154.04
468SE-527 ¹	6X1-1/2	2-1/4	1	4	046	154.04
468SE-528	6X2	2-1/4	1	4	046	154.04
468SE-529 ¹	6X2-1/2	3	1	4	046	158.20
468SE-530	6X3	3	1	4	046	163.69
468SE-532	6X4	4	1	4	046	173.13
468SE-573 ¹	8X1/2	4	1	0	046	219.46
468SE-574 ¹	8X3/4	4	1	0	046	219.46
468SE-575 ¹	8X1	4	1	0	046	219.46
468SE-576 ¹	8X1-1/4	4	1	0	046	219.46
468SE-577 ¹	8X1-1/2	4	1	0	046	219.46
468SE-578 ¹	8X2	4	1	0	046	219.46
468SE-579 ¹	8X2-1/2	4	1	0	046	241.45
468SE-580 ¹	8X3	4	1	0	046	249.70
468SE-582	8X4	4	1	0	046	269.05
468SE-585	8X6	6	1	0	046	298.23
468SE-624	10X4	4	1	0	046	354.86
468SE-626	10X6	6	1	0	046	408.03
468SE-664	12X4	4	1	0	046	444.99
468SE-666	12X6	6	1	0	046	516.07

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x SR Thread Double Outlet

with Buna-N O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



469-247SR	2X1/2	3/4	1	10	046	36.88
469-248SR	2X3/4	7/8	1	10	046	36.88
469-249SR	2X1	1-1/8	1	10	046	36.88
469-250SR	2X1-1/4	1-1/2	1	10	046	36.88
469-251SR	2X1-1/2	1-1/2	1	10	046	36.88
469-291SR	2-1/2X1-1/2	1-3/4	1	10	046	48.97
469-333SR ¹	3X1/2	7/8	1	10	046	48.97
469-334SR	3X3/4	7/8	1	10	046	48.97
469-335SR	3X1	1-1/8	1	10	046	48.97
469-336SR ¹	3X1-1/4	2-1/4	1	10	046	48.97
469-337SR ¹	3X1-1/2	2-1/4	1	10	046	48.97
469-338SR	3X2	2-1/4	1	10	046	48.97
469-415SR ¹	4X1/2	1-1/8	1	10	046	73.52

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x SR Thread Double Outlet (continued)

with Buna-N O-ring Seal & Zinc-Plated Hardware

469-416SR ¹	4X3/4	1-1/8	1	10	046	73.52
469-417SR	4X1	1-1/8	1	8	046	73.52
469-418SR ¹	4X1-1/4	1-3/4	1	8	046	73.52
469-419SR	4X1-1/2	1-3/4	1	8	046	73.52
469-420SR	4X2	2-1/4	1	8	046	73.52
469-421SR ¹	4X2-1/2	3	1	4	046	78.98
469-422SR	4X3	3	1	4	046	188.43
469-523SR ¹	6X1/2	1-1/8	1	4	046	119.85
469-524SR ¹	6X3/4	1-1/8	1	4	046	119.85
469-525SR	6X1	1-1/8	1	4	046	119.85
469-526SR ¹	6X1-1/4	2-1/4	1	4	046	119.85
469-527SR ¹	6X1-1/2	2-1/4	1	4	046	119.85
469-528SR	6X2	2-1/4	1	4	046	119.85
469-529SR ¹	6X2-1/2	3	1	4	046	143.74
469-530SR	6X3	3	1	4	046	150.90
469-532SR	6X4	4	1	4	046	158.01
469-573SR ¹	8X1/2	4	1	0	046	175.67
469-574SR ¹	8X3/4	4	1	0	046	175.67
469-575SR ¹	8X1	4	1	0	046	175.67
469-576SR ¹	8X1-1/4	4	1	0	046	175.67
469-577SR ¹	8X1-1/2	4	1	0	046	175.67
469-578SR ¹	8X2	4	1	0	046	175.67
469-579SR ¹	8X2-1/2	4	1	0	046	194.46
469-580SR ¹	8X3	4	1	0	046	203.86
469-582SR	8X4	4	1	0	046	216.19
469-585SR	8X6	6	1	0	046	237.78
469-624SR	10X4	4	1	0	046	282.96
469-626SR	10X6	6	1	0	046	325.19
469-666SR	12X6	6	1	0	046	411.39

¹Outlet-sized with Bushing

PVC White Clamp-On Saddle x SR Thread Double Outlet

with Buna-N O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



469S-247SR	2X1/2	3/4	1	10	046	58.19
469S-248SR	2X3/4	7/8	1	10	046	58.19
469S-249SR	2X1	1-1/8	1	10	046	58.19
469S-250SR	2X1-1/4	1-1/2	1	10	046	58.19
469S-251SR	2X1-1/2	1-1/2	1	10	046	58.19
469S-291SR	2-1/2X1-1/2	1-3/4	1	10	046	77.64
469S-333SR ¹	3X1/2	7/8	1	10	046	77.64
469S-334SR	3X3/4	7/8	1	10	046	77.64
469S-335SR	3X1	1-1/8	1	10	046	77.64
469S-336SR ¹	3X1-1/4	2-1/4	1	10	046	77.64
469S-337SR ¹	3X1-1/2	2-1/4	1	10	046	77.64
469S-338SR	3X2	2-1/4	1	10	046	77.64
469S-415SR ¹	4X1/2	1-1/8	1	10	046	98.66
469S-416SR ¹	4X3/4	1-1/8	1	10	046	98.66
469S-417SR	4X1	1-1/8	1	8	046	98.66
469S-418SR ¹	4X1-1/4	1-3/4	1	8	046	98.66
469S-419SR	4X1-1/2	1-3/4	1	8	046	98.66
469S-420SR	4X2	2-1/4	1	8	046	98.66
469S-421SR ¹	4X2-1/2	3	1	4	046	104.07
469S-422SR	4X3	3	4	0	046	113.95
469S-523SR ¹	6X1/2	1-1/8	1	4	046	162.09
469S-524SR ¹	6X3/4	1-1/8	1	4	046	162.09
469S-525SR	6X1	1-1/8	1	4	046	162.09
469S-526SR ¹	6X1-1/4	2-1/4	1	4	046	162.09
469S-527SR ¹	6X1-1/2	2-1/4	1	4	046	162.09
469S-528SR	6X2	2-1/4	1	4	046	162.09
469S-529SR ¹	6X2-1/2	3	1	4	046	169.67
469S-530SR	6X3	3	1	4	046	179.47
469S-532SR	6X4	4	1	4	046	187.41

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 27



Schedule 40 Fittings & Accessories Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC White Clamp-On Saddle x SR Thread Double Outlet (continued)

with Buna-N O-ring Seal & SS Hardware

469S-573SR ¹	8X1/2	4	1	0	046	229.85
469S-574SR ¹	8X3/4	4	1	0	046	229.85
469S-575SR ¹	8X1	4	1	0	046	229.85
469S-576SR ¹	8X1-1/4	4	1	0	046	229.85
469S-577SR ¹	8X1-1/2	4	1	0	046	229.85
469S-578SR ¹	8X2	4	1	0	046	229.85
469S-579SR ¹	8X2-1/2	4	1	0	046	252.81
469S-580SR ¹	8X3	4	1	0	046	265.38
469S-582SR	8X4	4	1	0	046	281.07
469S-585SR	8X6	6	1	0	046	312.12
469S-624SR	10X4	4	1	0	046	371.45
469S-626SR	10X6	6	1	0	046	427.16
469S-664SR	12X4	4	1	0	046	465.57
469S-666SR	12X6	6	1	0	046	539.93

¹Outlet-sized with Bushing

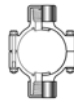
PVC White Clamp-On Saddle x SR Thread Double Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

469E-247SR	2X1/2	3/4	1	10	046	40.54
469E-248SR	2X3/4	7/8	1	10	046	40.54
469E-249SR	2X1	1-1/8	1	10	046	40.54
469E-250SR	2X1-1/4	1-1/2	1	10	046	40.54
469E-251SR	2X1-1/2	1-1/2	1	10	046	40.54
469E-291SR	2-1/2X1-1/2	1-3/4	1	10	046	54.97
469E-333SR ¹	3X1/2	7/8	1	10	046	54.97
469E-334SR	3X3/4	7/8	1	10	046	54.97
469E-335SR	3X1	1-1/8	1	10	046	54.97
469E-336SR ¹	3X1-1/4	2-1/4	1	10	046	54.97
469E-337SR ¹	3X1-1/2	2-1/4	1	10	046	54.97
469E-338SR	3X2	2-1/4	1	16	046	54.97
469E-415SR ¹	4X1/2	1-1/8	1	10	046	85.68
469E-416SR ¹	4X3/4	1-1/8	1	10	046	85.68
469E-417SR	4X1	1-1/8	1	8	046	85.68
469E-418SR ¹	4X1-1/4	1-3/4	1	8	046	85.68
469E-419SR	4X1-1/2	1-3/4	1	8	046	85.68
469E-420SR	4X2	2-1/4	1	8	046	85.68
469E-421SR ¹	4X2-1/2	3	1	4	046	87.38
469E-422SR	4X3	3	4	0	046	111.60
469E-523SR ¹	6X1/2	1-1/8	1	4	046	131.38
469E-524SR ¹	6X3/4	1-1/8	1	4	046	131.38
469E-525SR	6X1	1-1/8	1	4	046	131.38
469E-526SR ¹	6X1-1/4	2-1/4	1	4	046	131.38
469E-527SR ¹	6X1-1/2	2-1/4	1	4	046	131.38
469E-528SR	6X2	2-1/4	1	4	046	131.38
469E-529SR ¹	6X2-1/2	3	1	4	046	147.04
469E-530SR	6X3	3	1	4	046	159.04
469E-532SR	6X4	4	1	4	046	169.12
469E-573SR ¹	8X1/2	4	1	0	046	190.37
469E-574SR ¹	8X3/4	4	1	0	046	190.37
469E-575SR ¹	8X1	4	1	0	046	190.37
469E-576SR ¹	8X1-1/4	4	1	0	046	190.37
469E-577SR ¹	8X1-1/2	4	1	0	046	190.37
469E-578SR	8X2	4	1	0	046	190.37
469E-579SR ¹	8X2-1/2	4	1	0	046	209.50
469E-580SR ¹	8X3	4	1	0	046	219.97
469E-582SR	8X4	4	1	0	046	233.21
469E-585SR	8X6	6	1	0	046	258.84
469E-624SR	10X4	4	1	0	046	308.03
469E-626SR	10X6	6	1	0	046	354.12
469E-666SR	12X6	6	1	0	046	447.93

¹Outlet-sized with Bushing



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

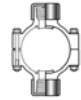
PVC White Clamp-On Saddle x SR Thread Double Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

469SE-247SR	2X1/2	3/4	1	10	046	61.91
469SE-248SR	2X3/4	7/8	1	10	046	61.91
469SE-249SR	2X1	1-1/8	1	10	046	61.91
469SE-250SR	2X1-1/4	1-1/2	1	10	046	61.91
469SE-251SR	2X1-1/2	1-1/2	1	10	046	61.91
469SE-291SR	2-1/2X1-1/2	1-3/4	1	10	046	82.46
469SE-333SR ¹	3X1/2	7/8	1	10	046	82.46
469SE-334SR	3X3/4	7/8	1	10	046	82.46
469SE-335SR	3X1	1-1/8	1	10	046	82.46
469SE-336SR ¹	3X1-1/4	2-1/4	1	10	046	82.46
469SE-337SR ¹	3X1-1/2	2-1/4	1	10	046	82.46
469SE-338SR	3X2	2-1/4	1	10	046	82.46
469SE-415SR ¹	4X1/2	1-1/8	1	10	046	106.38
469SE-416SR ¹	4X3/4	1-1/8	1	10	046	106.38
469SE-417SR	4X1	1-1/8	1	8	046	106.38
469SE-418SR ¹	4X1-1/4	1-3/4	1	8	046	106.38
469SE-419SR	4X1-1/2	1-3/4	1	8	046	106.38
469SE-420SR	4X2	2-1/4	1	8	046	106.38
469SE-421SR ¹	4X2-1/2	3	1	4	046	110.35
469SE-422SR	4X3	3	4	0	046	120.76
469SE-523SR ¹	6X1/2	1-1/8	1	4	046	166.24
469SE-524SR ¹	6X3/4	1-1/8	1	4	046	166.24
469SE-525SR	6X1	1-1/8	1	4	046	166.24
469SE-526SR ¹	6X1-1/4	2-1/4	1	4	046	166.24
469SE-527SR ¹	6X1-1/2	2-1/4	1	4	046	166.24
469SE-528SR	6X2	2-1/4	1	4	046	166.24
469SE-529SR ¹	6X2-1/2	3	1	4	046	177.82
469SE-530SR	6X3	3	1	4	046	187.76
469SE-532SR	6X4	4	1	4	046	198.89
469SE-573SR ¹	8X1/2	4	1	0	046	235.16
469SE-574SR ¹	8X3/4	4	1	0	046	235.16
469SE-575SR ¹	8X1	4	1	0	046	235.16
469SE-576SR ¹	8X1-1/4	4	1	0	046	235.16
469SE-577SR ¹	8X1-1/2	4	1	0	046	235.16
469SE-578SR ¹	8X2	4	1	0	046	235.16
469SE-579SR ¹	8X2-1/2	4	1	0	046	258.69
469SE-580SR ¹	8X3	4	1	0	046	271.61
469SE-582SR	8X4	4	1	0	046	283.03
469SE-585SR	8X6	6	1	0	046	319.48
469SE-624SR	10X4	4	1	0	046	380.11
469SE-626SR	10X6	6	1	0	046	437.12
469SE-664SR	12X4	4	1	0	046	475.54
469SE-666SR	12X6	6	1	0	046	552.36

¹Outlet-sized with Bushing



PVC White Hot-Tap Saddle

EPDM Saddle x Soc (Spigot) Zinc Plated Bolts

2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT2-248W	2X3/4 (1)	1	5	049	48.63
HT2-251W	2X1-1/2 (2)	1	5	049	100.47
HT2-288W	2-1/2X3/4 (1)	1	5	049	51.97
HT2-291W	2-1/2x1-1/2 (2)	1	5	049	103.82
HT2-334W	3X3/4 (1)	1	5	049	59.52
HT2-337W	3X1-1/2 (2)	1	5	049	114.43
HT2-416W	4X3/4 (1)	1	0	049	68.74
HT2-419W	4X1-1/2 (2)	1	0	049	120.99
HT2-524W	6X3/4 (1)	1	0	049	77.27
HT2-527W	6X1-1/2 (2)	1	0	049	128.82
HT2-574W	8X3/4 (1)	1	0	049	85.51
HT2-577W	8X1-1/2 (2)	1	0	049	137.35



Schedule 40 Fittings & Accessories
Clamp-On & Hot-Tap Saddles & Mechanical Clamp-On Transition Saddles



Clamp-On & Hot-Tap Saddles

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC White Hot-Tap Saddles

EPDM Saddle x Soc (Spigot) SS316 Bolts



2" - 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT2S-248W	2X3/4 (1)	1	5	049	75.72
HT2S-251W	2X1-1/2 (2)	1	5	049	156.34
HT2S-288W	2-1/2X3/4 (1)	1	5	049	80.89
HT2S-291W	2-1/2X1-1/2 (2)	1	5	049	161.51
HT2S-334W	3X3/4 (1)	1	5	049	92.65
HT2S-337W	3X1-1/2 (2)	1	5	049	178.15

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC White Hot-Tap Saddles (continued)

EPDM Saddle x Soc (Spigot) SS316 Bolts

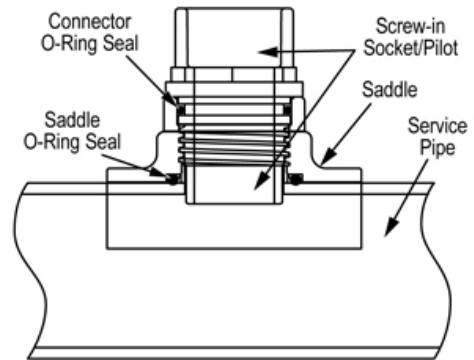
HT2S-416W	4X3/4 (1)	1	5	049	107.03
HT2S-419W	4X1-1/2 (2)	1	0	049	188.34
HT2S-524W	6X3/4 (1)	1	5	049	120.17
HT2S-527W	6X1-1/2 (2)	1	0	049	200.35
HT2S-574W	8X3/4 (1)	1	0	049	132.45
HT2S-577W	8X1-1/2 (2)	1	0	049	212.93

Mechanical Clamp-On Transition Saddles

Designed for Polypropylene-to-PVC pipe transition, but fully suitable for any IPS pipe (metal or plastic) transition to PVC. Excellent for irrigation extensions and lateral take-offs. Pilot on lateral connector prevents saddle movement on pipe. Easy Installation - Clamp saddle to pipe, drill hole, install screw-in pilot/socket lateral connector. Injection molded in distinct blue color.



- Socket Outlet
- 315 psi Pressure Rating @ 73° F
- SS316 Mechanical Clamp
- EPDM O-ring Seals
- Interchangeable 1-1/2" & 2" Lateral Connector Sizes
- Stainless Steel Reinforcing Rings for Extra Strength



Note: Mechanical Clamp Not Shown

Mechanical Clamp-on Transition Saddles

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Pipe O.D. x Socket

For Polypropylene (or any IPS pipe, metal or plastic) - To - PVC Transitions

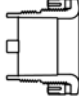
865-419	4X1-1/2	1	0	086	319.08
865-420	4X2	1	0	086	326.77
865-527	6X1-1/2	1	0	086	448.75
865-528	6X2	1	0	086	532.92
865-577	8X1-1/2	1	0	086	604.27
865-578	8X2	1	0	086	687.33



Schedule 40 Fittings & Accessories Schedule 40 Tank Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Schedule 40 Tank Adapters with EPDM Gasket Socket(Male Pipe Thread)



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

4170E-005	1/2 Soc(1 MPT)	25	0	029	29.50
4170E-007	3/4 Soc(1-1/4 MPT)	25	0	029	34.67
4170E-010	1 Soc(1-1/2 MPT)	25	0	029	40.16
4170E-012	1-1/4 Soc(2 MPT)	20	0	029	49.80
4170E-015	1-1/2 Soc(2 MPT)	30	0	029	55.75
4170E-020	2 Soc(2-1/2 MPT)	15	0	029	71.98
4170E-025	2-1/2 Soc(3 MPT)	4	0	029	119.80

Note: These tank adapters have both Socket and size larger Male Pipe Thread connection on external end. Adapter Nut has left hand thread to prevent loosening when installing threaded connection. End lugs allow holding body when tightening Adapter Nut.

Schedule 40 Fittings & Accessories Pool & Spa Fittings



All Pool & Spa Specialty Fittings have a maximum use service pressure of 150 psi @ 73° F (22° C). Standard pressure de-ratings must be applied for use at elevated temperatures with a maximum service temperature of 140°F (60° C).

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

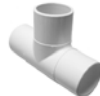
Short Socket Tees Socket Style Sch 40



Special short-socket end allows close connection at pumps, filters and other areas with minimum available space.

S401-249	2X2X1	25	0	015	7.49
S401-251	2x2x1-1/2	25	0	015	7.49

2" Spigot Tee Spigot x Spigot x Spigot Sch 40



404A-020	2	30	0	015	7.81
----------	---	----	---	-----	------

Male Thread Tee (Branch) Socket x Socket x Mipt



402B-010	1	50	0	040	3.29
----------	---	----	---	-----	------

2"x1-1/2" Reducing 90° Ell, Socket Style Sch 40



2"x2" 90° Street Ell, Socket x Spigot Sch 40

Handy dual-purpose configuration is 2"x1-1/2" Socket Reducing 90° Ell and also a 2" Socket x 2" Spigot 90° Street Ell.

406-251N	2X1-1/2	10	0	015	9.40
----------	---------	----	---	-----	------

1-1/2" 90° Spigot Elbow Spigot x Spigot Sch 40



422-015	1-1/2	25	0	015	7.54
---------	-------	----	---	-----	------

2-1/2"x2" Reducing 90° Ell, Socket Style Sch 40



2-1/2"x2-1/2" 90° Street Ell, Socket x Spigot Sch 40

Handy dual-purpose configuration is 2-1/2" x 2" Socket Reducing 90° Ell and also a 2-1/2" Socket x 2-1/2" Spigot 90° Street Ell.

406-292N	2-1/2X2 (2-1/2 Spigot)	10	0	040	11.01
----------	------------------------	----	---	-----	-------

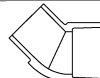
2" Short Spigot 45° Street Ell Spigot x Socket Sch 40



Special short-spigot end allows close connection in extra-tight spaces.

S427-020	2	10	0	015	6.66
----------	---	----	---	-----	------

45° Street Ell Spig x Soc



427-005	1/2	50	400	040	1.01
427-007	3/4	50	0	040	1.56
427-010	1	50	0	040	1.88
427-012	1-1/4	25	0	040	2.62
427-015	1-1/2	25	0	040	3.29
427-020	2	25	0	040	4.28
427-025	2-1/2	10	0	040	13.95
427-030	3	10	0	040	17.32
427-040	4	5	0	040	31.05
427-050	5	4	0	040	93.36
427-060	6	4	0	040	95.89
427-080	8	2	0	040	230.64
427-100	10	1	0	041	606.88

45° Street Ell (continued) Spig x Soc

427-120	12	1	0	041	889.74
427-140F	14	1	0	047	663.09
427-160F	16	1	0	047	901.29
427-180F	18	1	0	047	983.84
427-200F	20	1	0	047	1248.79
427-240F	24	1	0	047	1967.09

22-1/2° Street Ell Spig x Soc



442-005	1/2	50	400	040	1.43
442-007	3/4	50	0	040	2.23
442-010	1	50	0	040	2.67
442-012	1-1/4	20	0	040	3.73
442-015	1-1/2	25	0	040	4.68
442-020	2	20	0	040	6.13
442-025F	2-1/2	1	18	047	34.70
442-030	3	5	0	040	35.80
442-040	4	4	0	040	55.24
442-060	6	4	0	040	136.38
442-060F	6	1	5	047	80.48
442-080	8	1	4	040	328.04
442-080F	8	1	4	047	121.22
442-100F	10	1	0	047	187.60
442-120F	12	1	0	047	281.59

2" Sch 40 Grated Coupling Socket Style Sch 40



Specially designed internal grate at pipe stop gives extra protection to pumps, filters and equipment from damaging gravel and debris.

429GR-020	2	25	0	015	4.11
-----------	---	----	---	-----	------

1-1/2"x1"x1" 120° Wye Spigot x Socket x Socket Sch 40



Unique spigot end take off with 120° branched wye pattern for special distribution connections.

475-21131T	1-1/2X1X1	25	0	015	10.56
------------	-----------	----	---	-----	-------

2" 120° Wye Socket



475-020120	2	10	0	015	12.41
------------	---	----	---	-----	-------

Multi Configuration Venturied Tee - Socket Style Sch 40



1-1/2" Socket (2" Spigot) x 1-1/2" Socket x 3/4" Socket (1" Spigot)

Special spa jet fitting with standard 7/16" nozzle plus optional 3/8" or 1/4".

473-210	with 7/16" Nozzle	25	0	015	7.43
473-210-3/8	with 3/8" Nozzle	25	0	015	7.43
473-210-1/4	with 1/4" Nozzle	25	0	015	7.43



Schedule 40 Fittings & Accessories

Pool & Spa Fittings & True Union 2000 Standard Ball Valve - PVC White

Pool & Spa Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Multi Configuration Venturied Tee - Socket Style Sch 40

1" Socket x 3/4" Socket (1" Spigot) x 3/4" Socket (1" Spigot)

Special spa jet fitting with standard 7/16" nozzle plus optional 3/8" or 1/4".

473-825	with 7/16" Nozzle	50	0	015	6.07
473-825-3/8	with 3/8" Nozzle	50	0	015	6.07
473-825-1/4	with 1/4" Nozzle	50	0	015	6.07

Multi Configuration Venturied Tee - Socket Style Sch 40

Individual Nozzles Only

Special spa jet fitting with standard 7/16" nozzle plus optional 3/8" or 1/4".

473-1	7/16" Nozzle	100	600	015	1.96
473-2	1/4" Nozzle	100	600	015	1.96
473-3	3/8" Nozzle	100	600	015	1.96



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Smooth Barb Adapter

1/2" Smooth Barb x 3/4" Spigot

Special adapter for making connections to 1/2" Vinyl Hose

432-007525	3/4X1/2	100	600	015	1.77
------------	---------	-----	-----	-----	------



Nesting Union

2" Socket x 1-1/2" Socket (2" Spigot) Buna-N O-ring

235 psi @ 73°F (23°C)

8057-251W	2X1-1/2 (2)	5	0	080	58.89
-----------	-------------	---	---	-----	-------



Nesting Union

2" Socket x 1-1/2" Socket (2" Spigot) EPDM O-ring

235 psi @ 73°F (23°C)

8097-251W	2X1-1/2 (2)	5	0	080	69.30
-----------	-------------	---	---	-----	-------



True Union 2000 Standard Ball Valve - PVC White

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC White True Union 2000 Standard Ball Valve

Socket Ends - EPDM O-rings

Pressure Rating @73° F (23° C) = 235 psi

Maximum Service Pressure = 140° F (60° C)

Temperature/Pressure De-ratings Apply

3622-015W	1-1/2	1	8	608	88.68
3622-020W	2	1	8	608	117.02

Check with Spears® for additional size availability



PVC White True Union 2000 Standard Ball Valves

SR Threaded Ends - EPDM O-rings

Pressure Rating @73° F (23° C) = 235 psi

Maximum Service Pressure = 140° F (60° C)

Temperature/Pressure De-ratings Apply

3621-015WSR	1-1/2	1	8	608	94.98
3621-020WSR	2	1	8	608	123.83

Check with Spears® for additional size availability



Schedule 40 Fittings & Accessories
PVC Pool Butterfly Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

**PVC White Butterfly Valve Lever Handle EPDM
Seats**



682311-015	1-1/2	1	0	260	155.50
682311-020	2	1	0	260	160.91
682311-025	2-1/2	1	0	260	166.32
682311-030	3	1	0	260	175.77
682311-040	4	1	0	260	196.05
682311-060	6	1	0	260	290.71
682311-080	8	1	0	260	513.81

**PVC White Butterfly Valve Gear Operated
EPDM Seats**



682321-015	1-1/2	1	0	261	519.21
682321-020	2	1	0	261	566.54
682321-025	2-1/2	1	0	261	607.11
682321-030	3	1	0	261	612.52
682321-040	4	1	0	261	642.26
682321-060	6	1	0	261	688.23
682321-080	8	1	0	261	950.78
682321-100	10	1	0	261	1141.20
682321-120	12	1	0	261	1385.94

Pressure Rating @ 73°F (23°C), Water 1-1/2" - 12" 150 psi
 Maximum Service Temperature PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply



Schedule 40 Fittings & Accessories

UVR Sch 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee

Soc x Soc x Soc



401-005UV	1/2	50	300	042	2.52
401-007UV	3/4	50	0	042	2.97
401-010UV	1	50	0	042	5.89
401-012UV	1-1/4	25	0	042	8.14
401-015UV	1-1/2	25	0	042	11.65
401-020UV	2	25	0	042	15.43
401-025UV	2-1/2	10	0	042	39.27
401-030UV	3	10	0	042	50.50
401-040UV	4	6	0	042	135.96

Tee

Soc x Soc x Fipt



402-005UV	1/2	50	300	042	2.80
402-007UV	3/4	50	0	042	3.19

Reducing Tee

Soc x Soc x Fipt



402-101UV	3/4X1/2	50	0	042	3.65
402-130UV	1X1/2	50	0	042	6.16
402-131UV	1X3/4	50	0	042	6.16
402-166UV	1-1/4X1/2	25	0	042	9.81
402-167UV	1-1/4X3/4	25	0	042	9.81
402-209UV	1-1/2X1/2	25	0	042	14.73
402-210UV	1-1/2X3/4	25	0	042	14.73
402-247UV	2X1/2	10	0	042	16.83
402-248UV	2X3/4	10	0	042	16.83

90° Ell

Soc x Soc



406-005UV	1/2	50	400	042	2.01
406-007UV	3/4	50	300	042	2.52
406-010UV	1	50	0	042	4.20
406-012UV	1-1/4	25	0	042	6.03
406-015UV	1-1/2	25	0	042	9.10
406-020UV	2	25	0	042	12.61
406-025UV	2-1/2	10	0	042	29.43
406-030UV	3	10	0	042	46.28
406-040UV	4	8	0	042	119.13

90° Ell

Soc x Fipt



407-005UV	1/2	50	400	042	2.64
407-007UV	3/4	50	300	042	2.97
407-101UV	3/4X1/2	50	300	042	3.88
407-131UV	1X3/4	50	0	042	5.32

90° Street Ell

Mipt x Fipt



412-005UV	1/2	50	300	042	4.07
412-007UV	3/4	50	0	042	5.02

45° Ell

Soc x Soc



417-005UV	1/2	50	400	042	2.80
417-007UV	3/4	50	300	042	3.65
417-010UV	1	50	0	042	4.38

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

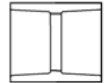
45° Ell (continued)

Soc x Soc

417-012UV	1-1/4	25	0	042	7.09
417-015UV	1-1/2	25	0	042	8.56
417-020UV	2	25	0	042	12.21
417-025UV	2-1/2	10	0	042	33.65
417-030UV	3	10	0	042	51.85
417-040UV	4	5	0	042	117.73

Coupling

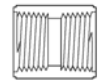
Soc x Soc



429-005UV	1/2	50	600	042	2.09
429-007UV	3/4	50	400	042	2.80
429-010UV	1	50	0	042	4.20
429-012UV	1-1/4	25	150	042	5.63
429-015UV	1-1/2	25	0	042	6.45
429-020UV	2	25	0	042	9.81
429-025UV	2-1/2	12	0	042	22.40
429-030UV	3	10	0	042	30.83
429-040UV	4	6	0	042	80.57

Coupling

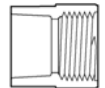
Fipt x Fipt



430-005UV	1/2	50	600	042	3.19
430-007UV	3/4	50	400	042	5.63

Female Adapter

Soc x Fipt



435-005UV	1/2	50	600	042	2.52
435-007UV	3/4	50	400	042	3.17

Male Adapter

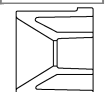
Mipt x Soc



436-074UV	1/2X3/4	50	200	042	5.47
436-005UV	1/2	50	300	042	1.90
436-007UV	3/4	50	400	042	2.22
436-010UV	1	50	300	042	2.80
436-012UV	1-1/4	25	0	042	3.93
436-015UV	1-1/2	25	0	042	4.77
436-020UV	2	25	0	042	7.70
436-025UV	2-1/2	10	0	042	19.62
436-030UV	3	10	0	042	25.20

Reducer Bushing

Spig x Soc Flush Style



437-101UV	3/4X1/2	50	300	042	2.22
437-130UV	1X1/2	50	200	042	3.19
437-131UV	1X3/4	50	300	042	3.19
437-167UV	1-1/4X3/4	25	300	042	4.63
437-168UV	1-1/4X1	25	300	042	4.63
437-210UV	1-1/2X3/4	25	200	042	5.48
437-211UV	1-1/2X1	25	200	042	5.48
437-212UV	1-1/2X1-1/4	25	200	042	5.48
437-249UV	2X1	10	80	042	6.74
437-250UV	2X1-1/4	10	120	042	6.74
437-251UV	2X1-1/2	25	0	042	6.74
437-288UV	2-1/2X3/4	10	0	042	12.61
437-289UV	2-1/2X1	10	0	042	12.61
437-290UV	2-1/2X1-1/4	10	0	042	12.61
437-292UV	2-1/2X2	10	0	042	12.61
437-335UV	3X1	10	0	042	16.12

Schedule 40 Fittings & Accessories
UVR Sch 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducer Bushing (continued)

Spig x Soc Flush Style

437-336UV	3X1-1/4	10	0	042	16.12
437-337UV	3X1-1/2	10	0	042	16.12
437-338UV	3X2	10	0	042	16.12
437-339UV	3X2-1/2	15	0	042	16.12
437-422UV	4X3	6	0	042	69.37

Reducer Bushing

Spig x Fipt Flush Style



438-130UV	1X1/2	50	200	042	3.19
438-131UV	1X3/4	50	200	042	3.19



Schedule 80 Nipple

882-060UV	1/2X6	25	300	042	2.49
882-080UV	1/2X8	25	0	042	3.17
882-100UV	1/2X10	25	0	042	3.85
882-120UV	1/2X12	25	0	042	4.85
883-060UV	3/4X6	25	200	042	3.40
883-080UV	3/4X8	25	0	042	3.85
883-100UV	3/4X10	25	0	042	4.61
883-120UV	3/4X12	25	0	042	5.51



Schedule 40 Fittings & Accessories PVC Gray Sch 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee Soc



401-005G	1/2	50	300	043	.86
401-007G	3/4	50	0	043	.97
401-010G	1	50	0	043	1.80
401-012G	1-1/4	25	0	043	2.84
401-015G	1-1/2	25	0	043	3.48
401-020G	2	25	0	043	5.00
401-025G	2-1/2	10	0	043	16.55
401-030G	3	10	0	043	21.71
401-040G	4	6	0	043	39.29
401-050G	5	5	0	043	94.96
401-060G	6	4	0	043	132.33
401-080G	8	2	0	043	306.93
401-100G	10	1	0	044	1016.96
401-120G	12	1	0	044	1502.60

Tee Soc x Fipt



402-005G	1/2	50	300	043	1.12
402-007G	3/4	50	0	043	1.72
402-010G	1	50	0	043	3.23
402-012G	1-1/4	25	0	043	5.13

Tee Fipt



405-005G	1/2	50	0	043	3.09
405-007G	3/4	50	0	043	4.85
405-010G	1	50	0	043	6.74
405-012G	1-1/4	25	0	043	9.32
405-015G	1-1/2	25	0	043	9.59
405-020G	2	10	0	043	12.70

Reducing Tee Soc



401-101G	3/4X1/2	50	0	043	1.12
401-130G	1X1/2	50	0	043	1.90
401-131G	1X3/4	50	0	043	2.06
401-166G	1-1/4X1/2	25	0	043	3.10
401-167G	1-1/4X3/4	25	0	043	3.10
401-168G	1-1/4X1	25	0	043	3.10
401-209G	1-1/2X1/2	25	0	043	5.48
401-210G	1-1/2X3/4	25	0	043	5.48
401-211G	1-1/2X1	25	0	043	5.48
401-212G	1-1/2X1-1/4	25	0	043	5.48
401-247G	2X1/2	10	0	043	5.35
D401-247G	2X1/2	10	0	043	7.79
401-248G	2X3/4	10	0	043	5.35
401-249G	2X1	10	0	043	5.35
401-250G	2X1-1/4	10	0	043	5.35
401-251G	2X1-1/2	10	0	043	5.35
401-337G	3X1-1/2	10	0	043	23.64
401-338G	3X2	6	0	043	23.63
401-420G	4X2	10	0	043	39.29
401-422G	4X3	6	0	043	39.29
401-532G	6X4	2	0	043	132.33
401-585G	8X6	2	0	043	306.91

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Tee Soc x Fipt



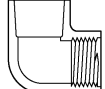
402-101G	3/4X1/2	50	0	043	1.46
402-130G	1X1/2	50	0	043	2.24
402-131G	1X3/4	50	0	043	3.23
402-166G	1-1/4X1/2	25	0	043	5.35
402-167G	1-1/4X3/4	25	0	043	5.35
402-168G	1-1/4X1	25	0	043	5.35
402-199G	1-1/2X1-1/4X1/2	25	0	043	6.64
402-209G	1-1/2X1/2	25	0	043	6.64
402-210G	1-1/2X3/4	25	0	043	6.64
402-211G	1-1/2X1-1/2X1	25	0	043	6.64
402-212G	1-1/2X1-1/4	25	0	043	6.64
402-247G	2X1/2	10	0	043	8.38
402-248G	2X3/4	10	0	043	8.38
402-249G	2X1	10	0	043	8.38
402-250G	2X1-1/4	10	0	043	8.38
402-251G	2X1-1/2	10	0	043	8.38

90° Ell Soc



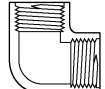
406-003G	3/8	50	600	043	3.40
406-005G	1/2	50	400	043	.68
406-007G	3/4	50	300	043	.76
406-010G	1	50	0	043	1.37
406-012G	1-1/4	25	0	043	2.41
406-015G	1-1/2	25	0	043	2.55
406-020G	2	25	0	043	4.11
406-025G	2-1/2	10	0	043	12.35
406-030G	3	10	0	043	14.80
406-040G	4	8	0	043	26.48
406-050G	5	4	0	043	68.45
406-060G	6	4	0	043	84.23
406-080G	8	2	0	043	216.91
406-100G	10	1	0	044	816.89
406-120G	12	1	0	044	1095.64

90° Ell Soc x Fipt



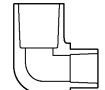
407-005G	1/2	50	400	043	.86
407-007G	3/4	50	300	043	.97
407-010G	1	50	0	043	1.80
407-012G	1-1/4	25	0	043	3.03
407-015G	1-1/2	25	0	043	3.36
407-020G	2	10	0	043	8.70

90° Ell Fipt



408-005G	1/2	50	400	043	1.65
408-007G	3/4	50	0	043	2.45
408-010G	1	50	0	043	5.18
408-012G	1-1/4	25	0	043	5.55
408-015G	1-1/2	25	0	043	7.01
408-020G	2	10	0	043	10.65

Reducing 90° Ell Soc



406-101G	3/4X1/2	50	0	043	1.37
406-130G	1X1/2	50	0	043	2.03

Schedule 40 Fittings & Accessories **PVC Gray Sch 40 Fittings**



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing 90° Ell **Soc x Fipt**



407-101G	3/4X1/2	50	300	043	1.02
----------	---------	----	-----	-----	------

90° Street Ell **Spig x Soc**



409-005G	1/2	50	400	043	1.90
409-007G	3/4	50	0	043	2.35
409-010G	1	50	0	043	4.07
409-012G	1-1/4	25	0	043	4.85
409-015G	1-1/2	25	0	043	5.35

90° Street Ell **Mipt x Soc**



410-005G	1/2	50	400	043	1.46
410-007G	3/4	50	0	043	1.72

90° Street Ell **Mipt x Fipt**



412-005G	1/2	50	400	043	2.01
412-007G	3/4	50	0	043	2.45
412-010G	1	50	0	043	4.18
412-015G	1-1/2	25	0	043	5.63

45° Ell **Soc**



417-005G	1/2	50	400	043	1.13
417-007G	3/4	50	300	043	1.72
417-010G	1	50	0	043	2.06
417-012G	1-1/4	25	0	043	2.95
417-015G	1-1/2	25	0	043	3.66
417-020G	2	25	0	043	4.77
417-025G	2-1/2	10	0	043	12.36
417-030G	3	10	0	043	19.22
417-040G	4	5	0	043	34.53
417-050G	5	5	0	043	68.45
417-060G	6	8	0	043	85.24
417-080G	8	3	0	043	205.00

22-1/2° Ell **Soc**



416-060GF	6	1	5	045	87.64
416-120GF	12	1	2	045	281.56

Wye **Soc**



100 psi maximum internal pressure rating @ 73°F (23°C)

475-100G	10	1	0	044	1355.91
475-120G	12	0	0	044	2003.47

Plug **Spig**



449-005G	1/2	50	300	043	1.46
449-007G	3/4	50	300	043	1.72
449-010G	1	50	200	043	2.06
449-012G	1-1/4	25	150	043	2.80
449-015G	1-1/2	25	100	043	3.54

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Plug (continued) **Spig**

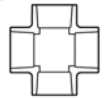
449-020G	2	10	120	043	4.41
449-030G	3	10	0	043	9.96

Plug **Mipt**



450-003G	3/8	50	300	043	1.89
450-005G	1/2	50	400	043	1.83
450-007G	3/4	50	300	043	2.00
450-010G	1	50	400	043	3.23
450-012G	1-1/4	25	300	043	3.37
450-015G	1-1/2	25	100	043	3.65
450-020G	2	10	120	043	4.67
450-025G	2-1/2	10	0	043	6.49
450-030G	3	10	0	043	9.85
450-040G	4	6	0	043	22.22

Cross **Soc**



420-005G	1/2	50	0	043	2.60
420-007G	3/4	50	0	043	4.29
420-010G	1	50	0	043	5.35
420-012G	1-1/4	25	0	043	7.09
420-015G	1-1/2	25	0	043	8.03
420-020G	2	10	0	043	11.86
420-025G	2-1/2	10	0	043	25.15
420-030G	3	5	0	043	30.83
420-040G	4	4	0	043	45.70

Cap **Soc**



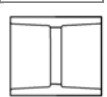
447-003G	3/8	50	300	043	1.72
447-005G	1/2	50	300	043	.64
447-007G	3/4	50	300	043	.72
447-010G	1	50	200	043	1.13
447-012G	1-1/4	25	100	043	1.59
447-015G	1-1/2	25	0	043	1.72
447-020G	2	10	80	043	2.09
447-025G	2-1/2	10	0	043	6.67
447-030G	3	10	0	043	7.27
447-040G	4	6	0	043	16.55
447-050G	5	5	0	043	27.78
447-060G	6	4	0	043	39.66
447-080G	8	3	0	043	99.61

Cap **Fipt**



448-003G	3/8	50	300	043	2.35
448-005G	1/2	50	300	043	1.31
448-007G	3/4	50	300	043	1.47
448-010G	1	50	200	043	2.24
448-012G	1-1/4	25	100	043	2.67
448-015G	1-1/2	25	100	043	2.80
448-020G	2	10	120	043	4.95
448-030G	3	10	0	043	9.52
448-040G	4	6	0	043	16.67

Coupling **Soc**



429-005G	1/2	50	600	043	.46
----------	-----	----	-----	-----	-----



Schedule 40 Fittings & Accessories PVC Gray Sch 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Coupling (continued)

Soc

429-007G	3/4	50	400	043	.64
429-010G	1	50	0	043	1.09
429-012G	1-1/4	25	150	043	1.46
429-015G	1-1/2	25	0	043	1.59
429-020G	2	25	0	043	2.48
429-025G	2-1/2	12	0	043	5.35
429-030G	3	10	0	043	8.40
429-040G	4	6	0	043	12.14
429-050G	5	5	0	043	22.24
429-060G	6	5	0	043	38.45
429-080G	8	8	0	043	71.76

Coupling

Fipt

430-005G	1/2	50	300	043	.87
430-007G	3/4	50	400	043	1.61
430-010G	1	50	0	043	2.06

Reducer Coupling

Soc

429-101G	3/4X1/2	50	200	043	1.12
429-131G	1X3/4	50	0	043	1.90
429-168G	1-1/4X1	25	0	043	3.23
429-212G	1-1/2X1-1/4	25	0	043	3.40
429-251G	2X1-1/2	10	80	043	5.41
429-338G	3X2	8	0	043	27.64
429-422G	4X3	4	0	043	36.43

Female Adapter

Soc x Fipt

435-005G	1/2	50	600	043	.76
435-007G	3/4	50	400	043	.97
435-010G	1	50	0	043	1.13
435-012G	1-1/4	25	0	043	1.72
435-015G	1-1/2	25	0	043	2.01
435-020G	2	10	80	043	2.69
435-025G	2-1/2	10	0	043	6.77
435-030G	3	5	0	043	9.09
435-040G	4	6	0	043	15.06
435-050G	5	5	0	043	38.97
435-060G	6	5	0	043	55.35

Spigot Female Adapter

Spig x Fipt

478-005G	1/2	50	600	043	.87
478-007G	3/4	25	300	043	1.01
478-010G	1	50	0	043	1.62
478-012G	1-1/4	25	0	043	2.22
478-015G	1-1/2	20	0	043	2.77
478-020G	2	20	0	043	4.07
478-030G	3	10	0	043	13.80
478-040G	4	5	0	043	22.86

Reducing Female Adapter

Soc x Fipt

435-073G	1/2X3/8	50	600	043	1.37
435-101G	3/4X1/2	50	400	043	1.37
435-131G	1X3/4	50	0	043	1.80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Male Adapter

Mipt x Soc

436-005G	1/2	50	300	043	.60
436-007G	3/4	50	400	043	.68
436-010G	1	50	300	043	1.21
436-012G	1-1/4	25	200	043	1.46
436-015G	1-1/2	25	0	043	2.01
436-020G	2	25	0	043	2.60
436-025G	2-1/2	10	0	043	7.69
436-030G	3	10	0	043	11.28
436-040G	4	5	0	043	14.35
436-050G	5	5	0	043	23.66
436-060G	6	5	0	043	37.48

Reducing Male Adapter

Mipt x Soc

436-074G	1/2X3/4	50	200	043	1.21
436-101G	3/4X1/2	50	300	043	1.12

Reducer Bushing Flush Style

Spig x Soc

437-101G	3/4X1/2	50	300	043	.71
437-130G	1X1/2	50	200	043	1.31
437-131G	1X3/4	50	300	043	1.31
437-166G	1-1/4X1/2	25	300	043	1.72
437-167G	1-1/4X3/4	25	300	043	1.72
437-168G	1-1/4X1	25	300	043	1.72
437-209G	1-1/2X1/2	25	200	043	1.83
437-210G	1-1/2X3/4	25	200	043	1.83
437-211G	1-1/2X1	25	200	043	1.83
437-212G	1-1/2X1-1/4	25	200	043	1.83
437-247G	2X1/2	10	120	043	3.03
437-248G	2X3/4	10	120	043	3.03
437-249G	2X1	10	80	043	3.03
437-250G	2X1-1/4	10	120	043	3.03
437-251G	2X1-1/2	25	0	043	3.03
437-290G	2-1/2X1-1/4	10	0	043	4.86
437-291G	2-1/2X1-1/2	10	0	043	4.86
437-292G	2-1/2X2	10	80	043	4.86
437-334G	3X3/4	10	0	043	7.20
437-335G	3X1	10	0	043	7.20
437-336G	3X1-1/4	10	0	043	7.20
437-337G	3X1-1/2	10	0	043	7.20
437-338G	3X2	10	0	043	7.20
437-339G	3X2-1/2	10	0	043	7.20
437-420G	4X2	6	0	043	16.09
437-421G	4X2-1/2	6	0	043	16.09
437-422G	4X3	6	0	043	16.09
437-490G	5X4	5	0	043	22.60
437-532G	6X4	5	0	043	39.79
437-534G	6X5	5	0	043	39.84
437-582G	8X4	4	0	043	138.82
437-585G	8X6	4	0	043	138.82

Reducer Bushing Flush Style

Spig x Fipt

438-072G	1/2X1/4	50	300	043	1.46
438-073G	1/2X3/8	50	300	043	1.46
438-098G	3/4X1/4	50	300	043	1.46
438-101G	3/4X1/2	50	300	043	1.12
438-130G	1X1/2	50	200	043	1.80
438-131G	1X3/4	50	300	043	1.80

Schedule 40 Fittings & Accessories
PVC Gray Sch 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Bushing Flush Style (continued)

Spig x Fipt

438-166G	1-1/4X1/2	25	100	043	2.80
438-167G	1-1/4X3/4	25	100	043	2.80
438-168G	1-1/4X1	25	100	043	2.80
438-209G	1-1/2X1/2	25	100	043	3.23
438-210G	1-1/2X3/4	25	100	043	3.23
438-211G	1-1/2X1	25	100	043	3.23
438-212G	1-1/2X1-1/4	25	100	043	3.23
438-247G	2X1/2	10	80	043	4.29
438-248G	2X3/4	10	80	043	4.29
438-249G	2X1	10	80	043	4.29
438-250G	2X1-1/4	10	120	043	4.29
438-251G	2X1-1/2	10	120	043	4.29
438-291G	2-1/2X1-1/2	10	0	043	6.23
438-292G	2-1/2X2	10	40	043	6.23
438-338G	3X2	10	0	043	7.20
438-420G	4X2	6	0	043	16.05
438-422G	4X3	6	0	043	16.05
438-490G	5X4	4	0	043	31.28
438-532G	6X4	5	0	043	58.76

T.T. Bushing

Mipt x Fipt



439-101G	3/4X1/2	50	300	043	2.01
439-130G	1X1/2	50	300	043	2.80
439-131G	1X3/4	50	200	043	2.80
439-166G	1-1/4X1/2	25	300	043	4.15
439-167G	1-1/4X3/4	25	300	043	4.15
439-168G	1-1/4X1	25	150	043	4.15
439-210G	1-1/2X3/4	25	100	043	5.00
439-211G	1-1/2X1	25	100	043	5.00
439-212G	1-1/2X1-1/4	25	100	043	5.00
439-249G	2X1	10	120	043	5.35
439-250G	2X1-1/4	10	120	043	5.35
439-251G	2X1-1/2	10	60	043	5.35

Union

Soc with Buna-N O-ring Seal



150 psi @ 73°F (23°C)

457-005G	1/2	10	60	043	6.64
457-007G	3/4	10	60	043	7.62
457-010G	1	10	40	043	7.79
457-012G	1-1/4	5	20	043	25.13
457-015G	1-1/2	5	20	043	26.19
457-020G	2	5	0	043	35.30

Union

Soc with EPDM O-ring Seal



150 psi @ 73°F (23°C)

497-005G	1/2	10	60	043	7.32
497-007G	3/4	10	60	043	8.38
497-010G	1	10	40	043	8.56
497-012G	1-1/4	5	30	043	27.63
497-015G	1-1/2	5	20	043	28.82
497-020G	2	5	0	043	38.84

Union

Fipt with Buna-N O-ring Seal



150 psi @ 73°F (23°C)

458-005G	1/2	10	60	043	7.46
458-007G	3/4	10	60	043	12.46

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union (continued)

Fipt with Buna-N O-ring Seal

458-010G	1	10	40	043	17.00
458-012G	1-1/4	5	20	043	29.21
458-015G	1-1/2	5	30	043	29.85
458-020G	2	5	0	043	36.65

Union

Fipt with EPDM O-ring Seal



150 psi @ 73°F (23°C)

498-005G	1/2	10	60	043	8.19
498-007G	3/4	10	60	043	13.71
498-010G	1	10	40	043	18.68
498-012G	1-1/4	5	20	043	32.04
498-015G	1-1/2	5	30	043	32.90
498-020G	2	5	0	043	40.33



Schedule 40 Fittings & Accessories PVC Black Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee Soc



401-005B	1/2	50	300	011	.81
401-007B	3/4	50	0	011	.91
401-010B	1	50	0	011	1.73
401-012B	1-1/4	25	0	011	2.70
401-015B	1-1/2	25	0	011	3.29
401-020B	2	25	0	011	4.78
401-030B	3	10	0	011	21.74

Tee Fipt



405-005B	1/2	50	0	011	2.95
405-007B	3/4	50	0	011	4.63
405-010B	1	50	0	011	6.43
405-012B	1-1/4	25	0	011	8.89
405-015B	1-1/2	25	0	011	9.16
405-020B	2	10	0	011	12.13

Reducing Tee Soc x Fipt



402-101B	3/4X1/2	50	0	011	1.40
----------	---------	----	---	-----	------

90° Ell Soc



406-005B	1/2	50	400	011	.66
406-007B	3/4	50	300	011	.72
406-010B	1	50	0	011	1.31
406-012B	1-1/4	25	0	011	2.31
406-015B	1-1/2	25	0	011	2.47
406-020B	2	25	0	011	3.87

90° Ell Soc x Fipt



407-005B	1/2	50	400	011	.81
407-007B	3/4	50	300	011	.91
407-010B	1	50	0	011	1.73
407-012B	1-1/4	25	0	011	2.90
407-015B	1-1/2	25	0	011	3.20
407-020B	2	10	0	011	8.30

90° Ell Fipt



408-005B	1/2	50	400	011	1.56
408-007B	3/4	50	0	011	2.33
408-010B	1	50	0	011	4.95

90° Street Ell Spig x Soc



409-015B	1-1/2	25	0	011	5.12
409-020B	2	10	0	011	9.87

90° Street Ell Mipt x Soc



410-005B	1/2	50	400	011	1.40
410-007B	3/4	50	0	011	1.66
410-010B	1	50	0	011	2.77

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° Street Ell (continued)

Mipt x Soc

410-012B	1-1/4	25	0	011	3.87
410-015B	1-1/2	25	0	011	4.05
410-020B	2	10	0	011	9.97



90° Street Ell

Mipt x Fipt

412-005B	1/2	50	400	011	1.90
----------	-----	----	-----	-----	------

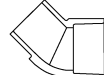
45° Ell Soc



417-005B	1/2	50	400	011	1.06
417-007B	3/4	50	300	011	1.66
417-010B	1	50	0	011	1.99
417-012B	1-1/4	25	0	011	2.77
417-015B	1-1/2	25	0	011	3.48
417-020B	2	25	0	011	4.53

45° Street Ell

Spig x Soc



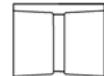
427-020B	2	25	0	011	4.53
----------	---	----	---	-----	------

Cross Soc



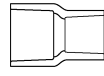
420-015B	1-1/2	25	0	011	7.66
420-020B	2	10	0	011	11.31

Coupling Soc



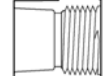
429-005B	1/2	50	600	011	.43
429-007B	3/4	50	400	011	.59
429-010B	1	50	0	011	1.02
429-012B	1-1/4	25	150	011	1.40
429-015B	1-1/2	25	0	011	1.50
429-020B	2	25	0	011	2.33

Reducer Coupling Soc



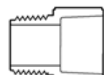
429-422B	4X3	4	0	011	34.70
----------	-----	---	---	-----	-------

Female Adapter Soc x Fipt



435-005B	1/2	50	600	011	.72
435-007B	3/4	50	400	011	.91
435-010B	1	50	0	011	1.06
435-012B	1-1/4	25	0	011	1.66
435-015B	1-1/2	25	0	011	1.90
435-020B	2	10	80	011	2.53

Male Adapter Mipt x Soc



436-005B	1/2	50	300	011	.59
436-007B	3/4	50	400	011	.66
436-010B	1	50	300	011	1.16
436-012B	1-1/4	25	0	011	1.40
436-015B	1-1/2	25	0	011	1.90

Schedule 40 Fittings & Accessories
PVC Black Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Male Adapter (continued)

Mipt x Soc

436-020B	2	25	0	011	2.49
436-030B	3	10	0	011	10.73

Reducing Male Adapter

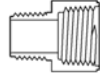
Mipt x Soc



436-101B	3/4X1/2	50	300	011	1.06
436-251B	2X1-1/2	10	80	011	6.02

IPT Adapter

Mipt x Fipt



446-074B	1/2X3/4	50	200	011	2.49
----------	----------------	----	-----	-----	------

Reducer Bushing

Spig x Soc



437-251B	2X1-1/2	25	0	011	2.90
437-335B	3X1	10	0	011	6.86
437-337B	3X1-1/2	10	0	011	6.86

Reducer Bushing

Spig x Fipt



438-072B	1/2X1/4	50	350	011	1.40
----------	----------------	----	-----	-----	------

Cap

Soc



447-005B	1/2	50	300	011	.59
447-007B	3/4	50	300	011	.67
447-010B	1	50	200	011	1.06
447-012B	1-1/4	25	100	011	1.50
447-015B	1-1/2	25	0	011	1.66
447-020B	2	10	80	011	1.99
447-040B	4	6	0	011	15.77
447-060B	6	4	0	011	37.80

Cap

Fipt



448-005B	1/2	50	300	011	1.23
448-007B	3/4	50	300	011	1.44

Plug

Mipt



450-005B	1/2	50	300	011	1.74
450-007B	3/4	50	300	011	1.88
450-010B	1	50	400	011	3.06
450-012B	1-1/4	25	300	011	3.21



Schedule 40 Fittings & Accessories PVC Clear Sch 40 Pipe & Fittings

PIPE SPECIFICATIONS Standard Length of pipe is 10 Feet. Custom lengths and sizes are available on special order from the pipe manufacturer. All pipe is packed in poly bags and boxed. This material complies with the provisions of Title 21 of the United States FDA Code of Federal Regulations, and is safe for use in food contact applications. Pipe has a UL 94 V-0 rating. Standard threading or grooving of Schedule 40 Clear pipe is not recommended due to insufficient wall thickness. Use specialty clear transition fittings for threaded assemblies or standard PVC transition fittings where applicable.

Part Number	Size	Avg. O.D.	Avg. I.D.	Min. Wall	Max. W.P. psi*	Lbs./Ft.	Feet Per Carton
PL-002	1/4	.540	.354	.088	390	.081	100
PL-003	3/8	.675	.483	.091	310	.109	100
PL-005	1/2	.840	.608	.109	300	.161	350
PL-007	3/4	1.050	.810	.113	240	.214	250
PL-010	1	1.315	1.033	.133	220	.315	250
PL-012	1-1/4	1.660	1.364	.140	180	.426	200
PL-015	1-1/2	1.900	1.592	.145	170	.509	160
PL-020	2	2.375	2.049	.154	140	.682	120
PL-025	2-1/2	2.875	2.445	.203	150	1.076	80
PL-030	3	3.500	3.042	.216	130	1.409	60
PL-040	4	4.500	3.998	.237	110	2.006	50
PL-060	6	6.625	6.031	.280	90	3.535	10
PL-080	8	8.625	7.943	.322	80	5.305	10

* For water at 73.4°F with solvent welded joints.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Clear Schedule 40 Pipe 10' Lengths, Price Per Foot



List Price Per Foot

PL-002	1/4	190	0	742	1.04
PL-003	3/8	100	0	742	1.39
PL-005	1/2	90	0	742	2.07
PL-007	3/4	100	0	742	2.77
PL-010	1	90	0	742	4.11
PL-012	1-1/4	30	0	742	5.55
PL-015	1-1/2	50	0	742	6.67
PL-020	2	10	0	742	8.98
PL-025	2-1/2	80	0	742	14.16
PL-030	3	10	0	742	18.51
PL-040	4	10	0	742	27.87
PL-060	6	10	0	038	51.13
PL-080	8	10	0	038	76.41

Tee Soc



401-002L	1/4	25	150	039	10.73
401-003L	3/8	50	200	039	6.91
401-005L	1/2	50	300	039	8.09
401-007L	3/4	50	0	039	9.22
401-010L	1	50	0	039	17.26
401-012L	1-1/4	25	0	039	27.13
401-015L	1-1/2	25	0	039	32.90
401-020L	2	10	0	039	47.81
401-025L	2-1/2	10	0	039	157.60
401-030L	3	10	0	039	206.70
401-040L	4	6	0	039	374.19
401-060L	6	4	0	039	673.56
401-080L	8	2	0	039	1212.39

90° EII Soc



406-002L	1/4	25	150	039	8.73
406-003L	3/8	50	300	039	8.73
406-005L	1/2	50	200	039	6.59
406-007L	3/4	50	300	039	7.21
406-010L	1	50	0	039	13.09
406-012L	1-1/4	25	0	039	23.05
406-015L	1-1/2	25	0	039	24.48
406-020L	2	25	0	039	38.80
406-025L	2-1/2	10	0	039	117.72
406-030L	3	10	0	039	140.85
406-040L	4	8	0	039	252.20

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° EII (continued) Soc

406-060L	6	5	0	039	453.97
406-080L	8	2	0	039	817.14

90° Street EII Spig x Soc



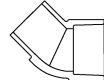
409-005L	1/2	50	400	039	6.59
409-007L	3/4	50	0	039	7.21
409-010L	1	50	0	039	13.09
409-012L	1-1/4	25	0	039	23.05
409-015L	1-1/2	25	0	039	24.48
409-020L	2	10	0	039	38.80
409-025L	2-1/2	10	0	039	117.72

45° EII Soc



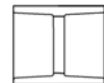
417-002L	1/4	25	150	039	14.01
417-003L	3/8	25	150	039	14.01
417-005L	1/2	50	400	039	10.64
417-007L	3/4	50	300	039	16.43
417-010L	1	50	0	039	19.73
417-012L	1-1/4	25	0	039	27.90
417-015L	1-1/2	25	0	039	34.80
417-020L	2	10	0	039	45.36
417-025L	2-1/2	10	0	039	117.89
417-030L	3	10	0	039	183.01
417-040L	4	5	0	039	328.71
417-060L	6	8	0	039	591.67
417-080L	8	3	0	039	1065.01

45° Street EII Spig x Soc



427-005L	1/2	50	400	039	10.64
427-007L	3/4	50	0	039	16.43
427-010L	1	50	0	039	19.73
427-012L	1-1/4	25	0	039	27.90
427-015L	1-1/2	25	0	039	34.80
427-020L	2	25	0	039	45.36
427-025L	2-1/2	10	0	039	117.89
427-030L	3	10	0	039	183.01
427-040L	4	5	0	039	328.71

Coupling Soc



429-002L	1/4	25	150	039	5.86
----------	-----	----	-----	-----	------

Schedule 40 Fittings & Accessories PVC Clear Sch 40 Pipe & Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Coupling (continued)

Soc

429-003L	3/8	50	300	039	5.86
429-005L	1/2	50	300	039	4.36
429-007L	3/4	50	200	039	5.87
429-010L	1	50	0	039	10.20
429-012L	1-1/4	25	150	039	13.89
429-015L	1-1/2	25	0	039	14.95
429-020L	2	10	60	039	23.30
429-025L	2-1/2	10	0	039	51.06
429-030L	3	10	0	039	80.11
429-040L	4	6	0	039	115.65
429-060L	6	5	0	039	208.19
429-080L	8	6	0	039	374.72

Female Adapter

Soc x SR Fipt



435-002SRL	1/4	25	450	039	12.30
435-003SRL	3/8	25	300	039	12.30
435-005SRL	1/2	25	300	039	7.29
435-007SRL	3/4	25	300	039	9.12
435-010SRL	1	25	200	039	10.54
435-012SRL	1-1/4	10	80	039	16.19
435-015SRL	1-1/2	10	80	039	18.99
435-020SRL	2	10	0	039	25.57
435-025SRL	2-1/2	5	0	039	53.15
435-030SRL	3	10	0	039	86.76
435-040SRL	4	6	0	039	143.51

Male Adapter

Mipt x Soc



436-003L	3/8	50	300	039	7.87
436-005L	1/2	50	300	039	5.87
436-007L	3/4	50	400	039	6.59
436-010L	1	50	300	039	11.57
436-012L	1-1/4	25	0	039	13.97
436-015L	1-1/2	25	0	039	18.97
436-020L	2	25	0	039	24.74
436-025L	2-1/2	10	0	039	73.38
436-030L	3	10	0	039	107.20
436-040L	4	5	0	039	136.71

Reducer Bushing

Spig x Soc



437-101L	3/4X1/2	50	300	039	6.78
437-131L	1X3/4	50	200	039	12.47
437-168L	1-1/4X1	25	150	039	16.43
437-211L	1-1/2X1	25	100	039	17.35
437-212L	1-1/2X1-1/4	25	100	039	17.35
437-251L	2X1-1/2	10	80	039	28.73
437-292L	2-1/2X2	10	40	039	46.21
437-338L	3X2	10	0	039	68.56
437-339L	3X2-1/2	10	0	039	68.56
437-422L	4X3	6	0	039	153.19
437-532L	6X4	5	0	039	308.28
437-585L	8X6	4	0	039	496.35

Cap

Soc



447-002L	1/4	25	150	039	7.87
447-003L	3/8	50	300	039	7.87
447-005L	1/2	50	300	039	5.87

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Cap (continued)

Soc

447-007L	3/4	50	300	039	6.78
447-010L	1	50	200	039	10.74
447-012L	1-1/4	25	100	039	14.95
447-015L	1-1/2	25	0	039	16.43
447-020L	2	10	80	039	19.80
447-025L	2-1/2	10	0	039	63.35
447-030L	3	10	0	039	62.37
447-040L	4	6	0	039	141.84
447-060L	6	4	0	039	255.32
447-080L	8	3	0	039	459.56

Wyes & Reducing Wyes

Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

475-015L	1-1/2	20	0	039	43.39
475-020L	2	10	0	039	63.87
475-030L	3	4	0	039	266.03
475-040L	4	4	0	039	484.36
475-060L	6	3	0	039	828.04
475-532L	6X4	5	0	039	828.04

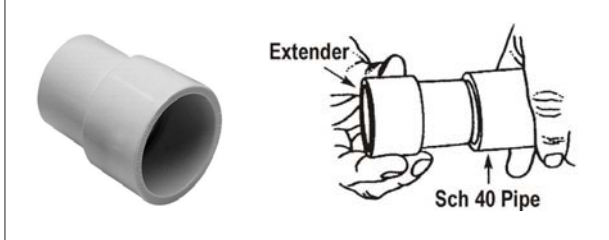


Schedule 40 Fittings & Accessories Schedule 40 Repair Fittings

Schedule 40 Pipe Repair Fittings
Allows Difficult Broken Pipe Repair To Be Made Easily

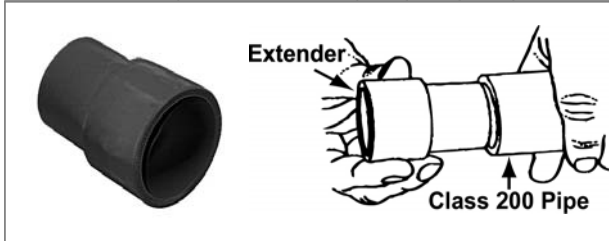
Pipe Extenders

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Pipe O.D. Spigot x Pipe I.D. Spigot					
S0301-05	1/2	100	600	894	1.55
S0301-07	3/4	50	300	894	2.55
S0301-10	1	50	200	894	3.23
S0301-12	1-1/4	50	0	894	3.87
S0301-15	1-1/2	50	0	894	4.41
S0301-20	2	25	0	894	4.88
S0301-25	2-1/2	25	0	894	5.81
S0301-30	3	25	0	894	13.59
S0301-40	4	20	0	894	16.02



Pipe Extenders, Class 200

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Pipe O.D. Spigot x Pipe I.D. Spigot					
Fits Class 200 Pipe I.D.					
S0304-10	1	48	0	894	3.57
S0304-12	1-1/4	48	0	894	3.91
S0304-15	1-1/2	48	0	894	4.26
S0304-20	2	48	0	894	4.77



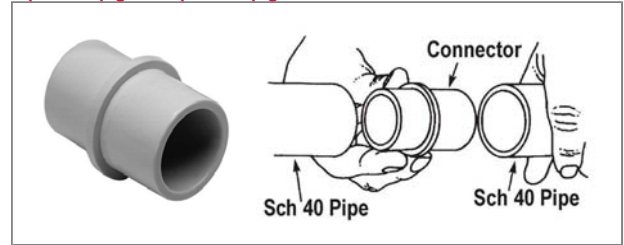
Inside Connectors

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Pipe I.D. Spigot x Pipe I.D. Spigot					
S0302-10	1	50	300	894	3.23
S0302-15	1-1/2	50	0	894	4.41
S0302-20	2	20	0	894	4.88
S0302-30	3	25	0	894	15.32
S0302-40	4	5	0	894	18.19

Inside Connectors (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Pipe I.D. Spigot x Pipe I.D. Spigot



Schedule 40 Fitting Extender

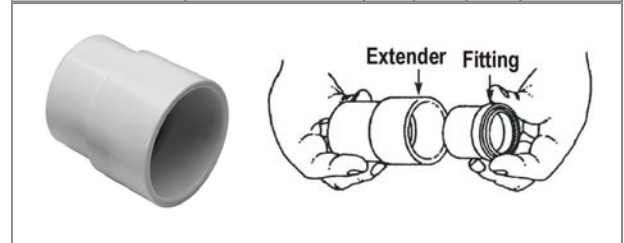
Extender Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Soc O.D. x Soc

Spigot End also functions as next size down Socket

S0303-15	1-1/2	25	0	894	6.13
S0303-20	2	25	0	894	7.59



Schedule 40 Fittings & Accessories Repair Couplings



(S119) Socket x Socket



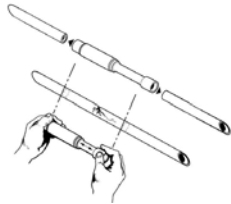
- Multi-function Telescoping Design
- Socket x Socket Configuration for Pipe Repair or Use as a Short-Stroke Expansion Joint
- Spigot x Socket Configuration for Replacing Damaged Fittings
- Both Configurations can be Easily Modified for Opposite Use

- Available in PVC White and PVC Gray
- Double O-ring Seal in EPDM or genuine Viton®
- 1/2" - 2" Pressure Rated to 235 PSI @ 73°F (23°C)
- 2-1/2" - 4" Pressure Rated to 200 PSI @ 73°F (23°C)
- 6" Pressure Rated to 150 PSI @ 73°F (23°C)
- NSF® Certified for Potable Water Use

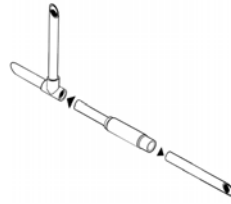
(S118) Spigot x Socket

Versatile Repair Capability

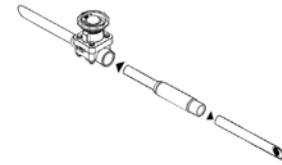
Spears® Repair Couplings provide a variety of system repair and alteration solutions. Use Socket x Socket configurations for quick pipe damage repair - can also be used as a short-stroke expansion joint to compensate for thermal expansion & contraction. Spigot x Socket configurations are excellent for lateral and riser add-ons, damaged fitting replacement, or for installing valves in existing piping systems. Order the wrong configuration? Simply cut coupling from Socket shaft end to function as a spigot or add a coupling to Spigot shaft end for Socket connections.



Pipe Damage Repair
Or Use as Expansion Joint



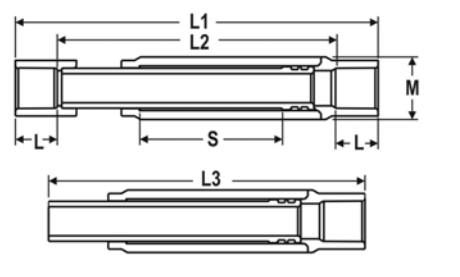
Lateral Add-on Or Fitting Replacement



Valve Retrofit Installation

Dimensions

Size	L	L1	L2	L3	S	M
1/2	7/8	7-5/8	5-7/8	6-3/4	3	1-7/16
3/4	1	9-3/8	7-3/8	8-1/4	4	1-3/4
1	1-1/8	10-1/8	7-7/8	8-7/8	4	2-1/16
1-1/4	1-1/4	10-7/8	8-3/8	9-5/8	4	2-7/16
1-1/2	1-3/8	11-3/8	8-5/8	9-7/8	4	2-11/16
2	1-1/2	12-1/4	9-1/4	10-5/8	4	3-3/16
2-1/2	1-3/4	15-7/8	12-3/8	13-7/8	6	3-15/16
3	1-7/8	16-1/8	12-3/8	14-1/8	6	4-9/16
4	2-1/4	17-3/4	13-1/4	15-1/4	6	5-11/16
6	3	22	16	18-3/4	6	8-3/8



INSTALLATION NOTE: For expansion joint applications, install with unit 1/2 extended. System must be supported and blocked against thrusts and movement under pressure. May be installed with flow in either direction.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC - Spig x Soc

PVC White with EPDM O-ring



Can be used as short-stroke Expansion Joint

S118-05	1/2	25	0	025	5.28
S118-07	3/4	30	0	025	6.00
S118-10	1	15	0	025	6.93
S118-12	1-1/4	23	0	025	13.05
S118-15	1-1/2	25	0	025	14.21
S118-20	2	12	0	025	21.98
S118-25	2-1/2	5	0	025	31.89
S118-30	3	4	0	025	39.84
S118-40	4	2	0	025	69.73
S118-60	6	1	0	025	170.62

PVC - Soc x Soc

PVC White with EPDM O-ring



Can be used as short-stroke Expansion Joint

S119-05	1/2	30	0	025	5.28
S119-07	3/4	24	0	025	6.00
S119-10	1	20	0	025	6.93
S119-12	1-1/4	10	0	025	13.05
S119-15	1-1/2	16	0	025	14.21
S119-20	2	10	0	025	21.98

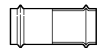
PVC - Soc x Soc (continued)

PVC White with EPDM O-ring

S119-25	2-1/2	5	0	025	31.89
S119-30	3	4	0	025	39.84
S119-40	4	2	0	025	69.73
S119-60	6	1	0	025	170.62

Fabricated Repair Coupling

Gasket x Gasket



428-020F	2	1	10	047	59.19
428-030F	3	1	8	047	76.69
428-040F	4	1	4	047	88.81
428-060F	6	1	3	047	120.38
428-080F	8	1	2	047	165.09
428-100F	10	1	0	047	247.32
428-120F	12	1	0	047	322.02
428-140F	14	1	0	047	630.19
428-160F	16	1	0	047	881.86
428-180F	18	1	0	047	1357.32
428-200F	20	1	0	047	1620.03
428-240F	24	1	0	047	2261.65

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 45



Schedule 40 Fittings & Accessories Short Repair Couplings

Space Saving, Compact Version of Standard Repair Coupling
Requires 1/3 less Space

(SH119) Socket x Socket



(SH118) Spigot x Socket

- Compact Telescoping Design
- Socket x Socket Configuration for Pipe Repair or Use as a Short-Stroke Expansion Joint
- Spigot x Socket Configuration for Replacing Damaged Fittings
- Both Configurations can be Easily Modified for Opposite Use
- Available in PVC White, Sizes 1/2" - 2"
- EPDM Double O-ring Seal
- Pressure Rated to 235 PSI @ 73°F (23°C)
- NSF® Certified for Potable Water Use

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC - Spig x Soc

PVC White with EPDM O-ring



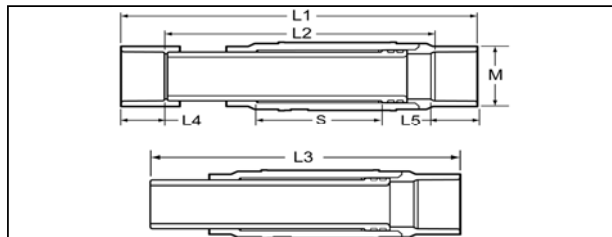
SH118-05	1/2	36	0	025	5.28
SH118-07	3/4	30	0	025	6.00
SH118-10	1	35	0	025	6.93
SH118-12	1-1/4	25	0	025	13.05
SH118-15	1-1/2	32	0	025	14.21
SH118-20	2	15	0	025	21.98

PVC - Soc x Soc

PVC White with EPDM O-ring



SH119-05	1/2	40	0	025	5.28
SH119-07	3/4	30	0	025	6.00
SH119-10	1	30	0	025	6.93
SH119-12	1-1/4	20	0	025	13.05
SH119-15	1-1/2	21	0	025	14.21
SH119-20	2	12	0	025	21.98



Size	L1	L2	L3	L4	L5	S	M
1/2	5-7/8	4-5/16	4-15/16	7/8	3/4	2	1-7/16
3/4	6-9/16	4-3/4	5-7/16	1	13/16	2-1/4	1-3/4
1	6-13/16	4-3/4	5-9/16	1-1/8	15/16	2-3/16	2-1/16
1-1/4	7-15/16	5-11/16	6-5/8	1-1/4	1	2-1/2	2-7/16
1-1/2	8-1/4	5-13/16	6-3/4	1-3/8	1-1/8	2-13/16	2-11/16
2	10-1/16	7-3/8	8-5/16	1-1/2	1-3/16	3-1/8	3-1/4

INSTALLATION NOTE: For expansion joint applications, install with unit 1/2 extended. System must be supported and blocked against thrusts and movement under pressure. May be installed with flow in either direction.

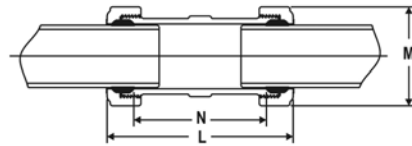
Schedule 40 Fittings & Accessories Compression Couplings



- Designed for Quick Connections, System Modifications or Repairs
- Completely Redesigned for Improved Versatility
- PVC White plus New Industrial PVC Gray
- Easy-Thread Compression Nut
- New Spigot Conversion Capability
- Full Service 200 PSI Pressure Rating
- NSF® Certified for Potable Water Use

Basic Dimensions

Part Number	Size (in.)	L	M	N
S110-05	1/2	5-3/16	1-3/16	3-3/8
S110-07	3/4	5-7/16	2-1/16	3-9/16
S110-10	1	5-11/16	2-7/16	3-3/4
S110-12	1-1/4	6-1/4	2-15/16	4-1/8
S110-15	1-1/2	6-1/2	3-5/16	4-5/8
S110-20	2	7-1/8	3-3/4	5-1/16
S110-25	2-1/2	8-11/16	4-11/16	5-7/8
S110-30	3	9-1/2	5-1/2	6-3/16
S110-40	4	11-5/16	6-3/4	7-3/8
S110-60	6	11-5/8	9-5/16	7-9/16



N = Maximum allowable space between pipe ends.

NOTE: Decreasing distance between pipe ends improves stability and is recommended.

PVC White

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N Gasket					
S110-05	1/2	28	0	024	3.67
S110-07	3/4	24	0	024	4.96
S110-10	1	20	0	024	6.43
S110-12	1-1/4	10	0	024	9.86
S110-15	1-1/2	16	0	024	10.18
S110-20	2	12	0	024	13.24
S110-25	2-1/2	6	0	024	24.90
S110-30	3	4	0	024	32.60
S110-40	4	4	0	024	53.62
S110-60	6	1	0	024	121.94

PVC Gray

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
EPDM Gasket					
S110E-05G	1/2	28	0	024	4.37
S110E-07G	3/4	24	0	024	5.86
S110E-10G	1	15	0	024	7.56
S110E-12G	1-1/4	10	0	024	11.66
S110E-15G	1-1/2	16	0	024	12.04
S110E-20G	2	12	0	024	15.62
S110E-25G	2-1/2	6	0	024	29.41
S110E-30G	3	4	0	024	38.46
S110E-40G	4	4	0	024	63.27
S110E-60G	6	1	0	024	143.89

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-005	1/2	1	50	299	11.33
CCW-007	3/4	1	50	299	11.53
CCW-010	1	1	50	299	12.02
CCW-012	1-1/4	1	50	299	13.60
CCW-015	1-1/2	1	50	299	14.67
CCW-020*	2	1	50	299	16.39
CCW-030**	3	1	25	299	20.16
CCW-060	6	8	0	299	30.32

* CCW-20 - Wrench also fits 2-1/2" Coupling Body

**CCW-30 - Wrench also fits 4" Coupling Body

Compression Coupling Nut Wrench Set

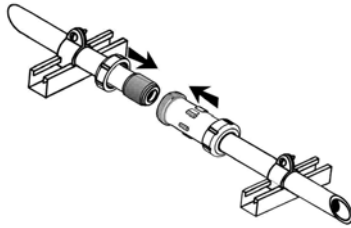
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-000	Set	1	50	299	94.70
Complete Set of Wrenches, Sizes 1/2 - 3					



Schedule 40 Fittings & Accessories Compression Couplings

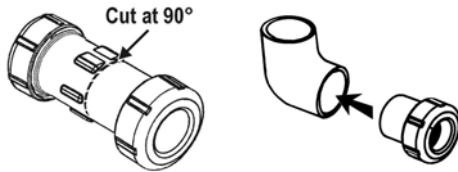
Easy Installation

Spears® Compression Couplings easily install by simply sliding nut over pipe, slip on gasket, then insert into body and tighten nuts.



Convert Fittings to Compression Outlet

Socket-type fittings 3/4" through 3" can be easily converted to compression outlet sizes 1/2" through 2-1/2" by simply cutting the Compression Coupling at the center holding ribs and solvent welding the spigot body into a fitting socket.



Compression Coupling Size (in.)	Body Spigot Size (in.)
1/2	3/4
3/4	1
1	1-1/4
1-1/4	1-1/2
1-1/2	2
2	2-1/2
2-1/2	3

Important Installation Note

WARNING: The compression joints provide a positive seal but do not restrain pipe from thrusts and movement under pressure. Use of compression joint requires blocking connecting pipe to prevent any movement. Failure to do so can result in system failure or severe personal injury. Use in cold water/fluid applications only.

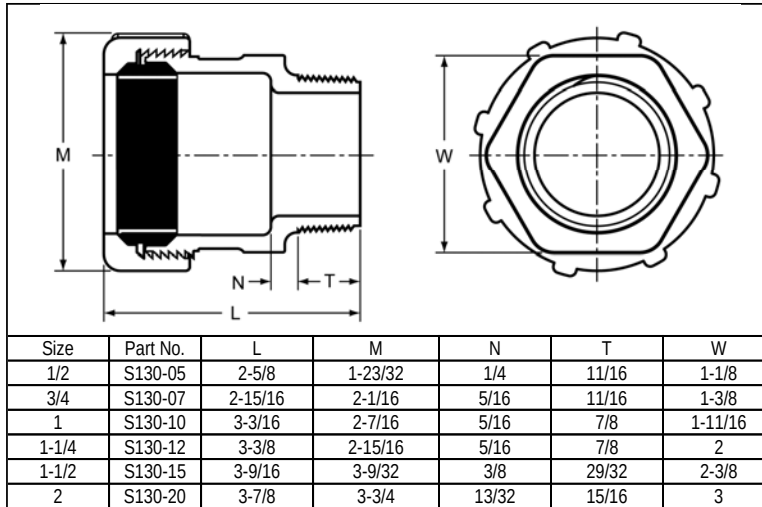
Schedule 40 Fittings & Accessories Compression Male Adapters



- Quickly Adapts Pipe to MIPT Thread
- Easy-Thread Compression Nut
- PVC White with Buna-N Gasket
- 200 psi Pressure Rating
- NSF® Certified for Potable Water Use

Uses same Nut Wrench sets available for Compression Couplings

Basic Dimensions



PVC Compression Male Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Buna-N Gasket

S130-05	1/2	25	150	024	2.98
S130-07	3/4	25	200	024	3.60
S130-10	1	25	0	024	4.57
S130-12	1-1/4	25	0	024	7.02
S130-15	1-1/2	25	0	024	7.20
S130-20	2	25	0	024	8.98



Schedule 40 Fittings & Accessories Filters

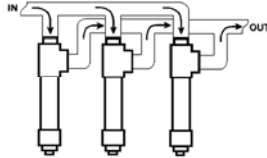
Specially designed for agricultural and irrigation applications. Suitable for any application where cool, filtered water is required. Standard units utilize an internal-to-external filter cartridge. See following page for reverse flow (external to internal) filters.



- 200 psi Working Pressure Non-Shock @ 73°F (23°C)
- Filter Body is made from NSF®-PW Approved PVC Material
- Optional Screen Meshes
- Compact Design, Easy to Clean
- Lightweight, Easy to Install

- Filter Screens are designed using a standard perforated Stainless Steel Screen
- Mesh Sizes include an inner Stainless Steel Cloth with Spring Support (external cloth on reverse flow filters)
- Pressure loss: 100 GPM – 3 psi 50 GPM – 1.25 psi
- May be bushed to required pipe size

- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in the direct sun, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



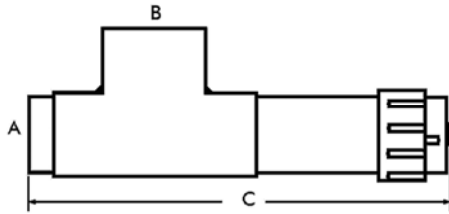
—CAUTION—

- WATER HAMMER MAY CAUSE SEVERE DAMAGE TO THE FILTER ASSEMBLY.
- BACK FLUSHING IS NOT RECOMMENDED.
- QUALITY GRADE THREAD SEALANT IS RECOMMENDED FOR ALL THREADED PVC CONNECTIONS.

Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.

Filter Dimensions & Weights



Series	A Inlet		B Outlet	C Overall Length	Screen Length	Filter Approx. Weight
	Socket	Spigot				
FLR	2-1/2	3	4	28	24	8
MFLR	2-1/2	3	4	16	12	4-3/4

Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM					
FL-16*	2-1/2 /3 x 4	1	0	020	527.35
FL-32*	2-1/2 /3 x 4	1	0	020	539.34
FL-50	2-1/2 /3 x 4	1	0	020	611.23
FL-76	2-1/2 /3 x 4	1	0	020	738.28
FL-100	2-1/2 /3 x 4	1	0	020	671.16
FL-150	2-1/2 /3 x 4	1	0	020	695.15
FL-200	2-1/2 /3 x 4	1	0	020	755.07

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL4a) for use with a valve, or may be plugged off (plug not furnished). Optional cap available with 1/4" IPS tapping for use with a pressure gauge — specify FL-5a when ordering.

50 GPM

MFL-16*	2-1/2 /3 x 2	1	0	020	443.48
MFL-32*	2-1/2 /3 x 2	1	0	020	450.65
MFL-50	2-1/2 /3 x 2	1	0	020	465.01
MFL-76	2-1/2 /3 x 2	1	0	020	563.33
MFL-100	2-1/2 /3 x 2	1	0	020	491.41
MFL-150	2-1/2 /3 x 2	1	0	020	515.37
MFL-200	2-1/2 /3 x 2	1	0	020	575.29

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL4a) for use with a valve, or may be plugged off (plug not furnished). Optional cap available with 1/4" IPS tapping for use with a pressure gauge — specify FL-5a when ordering.

Filter Replacement Screens

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM (24" Length)					
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45

Filter Replacement Screens (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM (24" Length)					
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for FL and MFL Series Filters, please provide exact length of old screen within 1/64" to ensure proper fit of new screen in your filter body.

50 GPM (12" Length)

MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for FL and MFL Series Filters, please provide exact length of old screen within 1/64" to ensure proper fit of new screen in your filter body.

Filter Replacement Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

100 GPM Filter Body

FL-11	2-1/2 /3 X 4	1	0	020	359.54
-------	--------------	---	---	-----	--------

50 GPM Filter Body

MFL-11	2-1/2 /3 X 2	1	0	020	275.66
--------	--------------	---	---	-----	--------

Components for Old-Style Filters w/3" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Filter Cap w/Gasket

FL-4A	3X1-1/4	1	70	020	29.97
FL-5A	3X1/4	70	0	020	29.97

Schedule 40 Fittings & Accessories Filters & Reverse Flow Filters



Filters

Components for Old-Style Filters w/3" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FCG-5	3	2	0	020	9.54

Cap Gasket Only

Components for New-Style Filters w/4" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-4B	4X1-1/4	25	0	020	55.07

Filter Cap w/O-rings

Components for New-Style Filters w/4" Bottom Cap (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-5B	4X1/4	1	0	020	89.09

Filter Cap w/O-rings

Includes Cap with Cap O-ring (1) and bottom Filter Bushing O-ring (1)

Cap O-Ring Only

B-242	- - -	100	0	901	.79
-------	-------	-----	---	-----	-----

Filter Bushing O-Rings

B-335-60	- - -	100	0	901	3.48
----------	-------	-----	---	-----	------

Each filter uses two (2) Filter Bushing O-rings for top and bottom screen seals

Reverse Flow Filters



100 GPM



50 GPM

- Filter cartridge specially designed for external-to-internal filtration
- Traps sediment and debris on outside of filter (standard filters use internal-to-external flow)
- 100 GPM and 50 GPM styles available

100 GPM Reverse Flow Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FLR-16*	4X2-1/2 /3	1	0	020	527.35
FLR-32*	4X2-1/2 /3	1	0	020	539.34
FLR-50	4X2-1/2 /3	1	0	020	611.23
FLR-76	4X2-1/2 /3	1	0	020	738.28
FLR-100	4X2-1/2 /3	1	0	020	671.16
FLR-150	4X2-1/2 /3	1	0	020	695.15
FLR-200	4X2-1/2 /3	1	0	020	755.07

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFLR-16*	2X2-1/2 /3	1	0	020	443.48
MFLR-32*	2X2-1/2 /3	1	0	020	450.65
MFLR-50	2X2-1/2 /3	1	0	020	465.01
MFLR-76	2X2-1/2 /3	1	0	020	563.33
MFLR-100	2X2-1/2 /3	1	0	020	491.41
MFLR-150	2X2-1/2 /3	1	0	020	515.37
MFLR-200	2X2-1/2 /3	1	0	020	575.29

*Standard MFL-16 and MFL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Reverse Flow Filter Replacement Screens (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34

100 GPM Reverse Flow Filter Replacement Screens (24" Length) (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

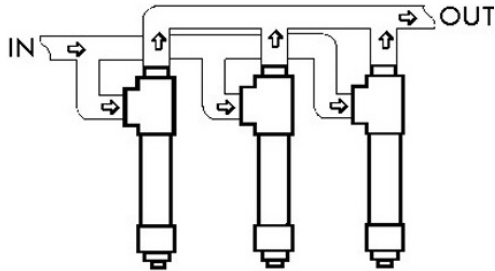


Schedule 40 Fittings & Accessories Reverse Flow Filters

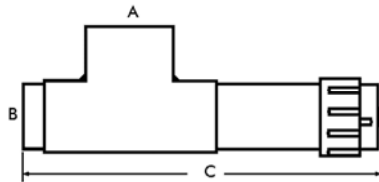
Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: FLR-50 = 50 Mesh

Typical Reverse Flow Application



- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in direct sunlight, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



Series	A Inlet	B Outlet		C Overall Length	Screen Length	Filter Approx. Weight
		Socket	Spigot			
FLR	4	2-1/2	3	28	24	8
MFLR	4	2-1/2	3	16	12	4-3/4

Schedule 40 Fittings & Accessories

In-line Tee Style Filters and Reverse In-line Tee Style Filters



100 GPM and 50 GPM • PVC White • Buna O-ring Seal



100 GPM



50 GPM

- In-line Design Simplifies Installation.
- Allows Easy Parallel Filter Configuration for Increased Flow and Filtration.
- Removable Type 304 Stainless Steel Filter Cartridges in Assorted Perforations and Screen Mesh.
- Standard Flow Filter (Internal-to-External) Traps Sediment on Inside of Cartridge, Reverse Flow Filter (External-to-Internal) Traps Sediment on Outside of Cartridge.
- Convenient Bottom Drain with 1-1/4" NPT Stainless Steel Reinforced Plastic Thread and Plug. Optional Cap with 1/4" Outlet Available.
- 200 psi Working Pressure for Water @ 73°F (23°C).
- Manufactured from NSF® Certified PVC Material.

100 GPM PVC White Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
TF-16"	2-1/2 /3 x 2-1/2 /3	1	0	020	527.35
TF-32"	2-1/2 /3 x 2-1/2 /3	1	0	020	539.34
TF-50	2-1/2 /3 x 2-1/2 /3	1	0	020	611.23
TF-76	2-1/2 /3 x 2-1/2 /3	1	0	020	738.28
TF-100	2-1/2 /3 x 2-1/2 /3	1	0	020	671.16
TF-150	2-1/2 /3 x 2-1/2 /3	1	0	020	695.15
TF-200	2-1/2 /3 x 2-1/2 /3	1	0	020	755.07

50 GPM PVC White Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTF-16"	2-1/2 /3 x 2-1/2 /3	1	0	020	443.48
MTF-32"	2-1/2 /3 x 2-1/2 /3	1	0	020	450.65
MTF-50	2-1/2 /3 x 2-1/2 /3	1	0	020	465.01
MTF-76	2-1/2 /3 x 2-1/2 /3	1	0	020	563.33
MTF-100	2-1/2 /3 x 2-1/2 /3	1	0	020	491.41
MTF-150	2-1/2 /3 x 2-1/2 /3	1	0	020	515.37
MTF-200	2-1/2 /3 x 2-1/2 /3	1	0	020	575.29

Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: TF-50 = 50 Mesh

100 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
TF-16"	2-1/2 /3 x 2-1/2 /3	1	0	020	527.35
TF-32"	2-1/2 /3 x 2-1/2 /3	1	0	020	539.34
TFR-50	2-1/2 /3 x 2-1/2 /3	1	0	020	611.23
TFR-76	2-1/2 /3 x 2-1/2 /3	1	0	020	738.28
TFR-100	2-1/2 /3 x 2-1/2 /3	1	0	020	671.16
TFR-150	2-1/2 /3 x 2-1/2 /3	1	0	020	695.15
TFR-200	2-1/2 /3 x 2-1/2 /3	1	0	020	755.07

50 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTF-16"	2-1/2 /3 x 2-1/2 /3	1	0	020	443.48
MTF-32"	2-1/2 /3 x 2-1/2 /3	1	0	020	450.65
MTFR-50	2-1/2 /3 x 2-1/2 /3	1	0	020	465.01
MTFR-76	2-1/2 /3 x 2-1/2 /3	1	0	020	563.33
MTFR-100	2-1/2 /3 x 2-1/2 /3	1	0	020	491.41

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

50 GPM PVC White Reverse Tee Filter (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTFR-150	2-1/2 /3 x 2-1/2 /3	1	0	020	515.37
MTFR-200	2-1/2 /3 x 2-1/2 /3	1	0	020	575.29

*Standard TF-16, TF-32, MTF-16 & MTF-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Filter Replacement Screens for TF Filters (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for TF and MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

50 GPM Filter Replacement Screens for MTF Filters (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for TF and MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	460.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53



Schedule 40 Fittings & Accessories
In-line Tee Style Filters and Reverse In-line Tee Style Filters

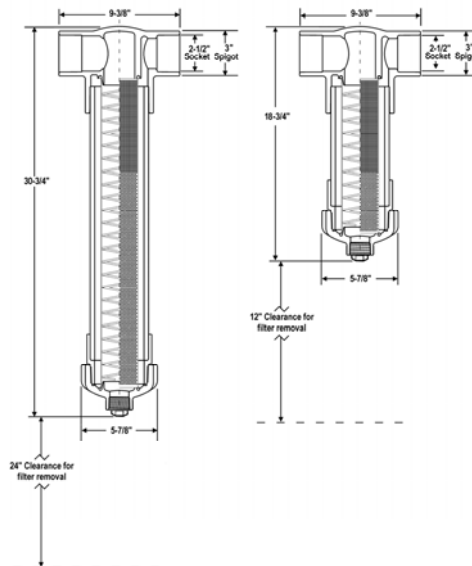
**50 GPM Reverse Flow Filter Replacement Screens for
MTFR Filters (12" Length) (continued)**

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

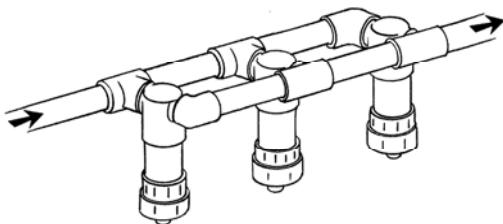
IN-LINE TECHNICAL INFORMATION

Dimensions

Filter includes drain plug for 1-1/4" NPT outlet. Optional valve for blow-out or filter cap with 1/4" NPT outlet can be purchased separately.

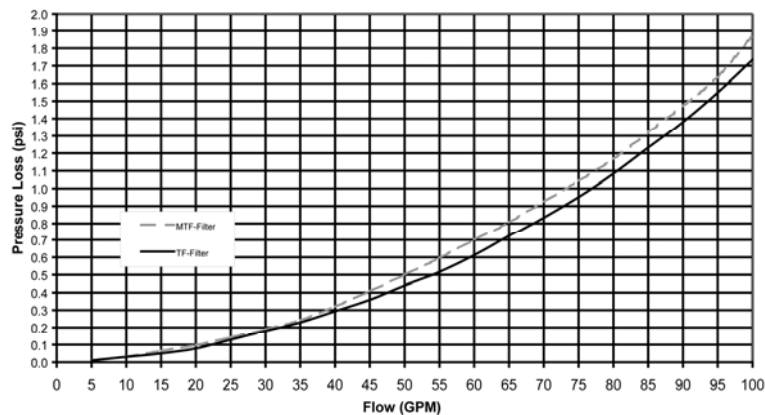


Parallel Filter Installation



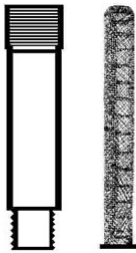
- When more than 100 gpm is required, filters may be installed in parallel.
- When installing filter, allow space for removing filter screen for cleaning.
- Remove stainless steel filter screen before solvent welding filter to pipe manifold to avoid cement contact with screen.
- When filters are installed in the direct sun, it is suggested the filter body be coated with a water-base latex paint having a high reflectance.
- Installation in a shaded area is preferred.

Pressure Loss

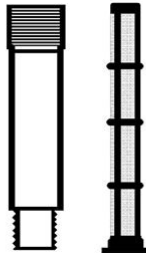




Schedule 40 Fittings & Accessories Hose Filters



7 GPM Steel



7 GPM Plastic/Nylon

NOTE: It is recommended to connect the inlet of the Hose Filter to the system with a swivel adapter such as Spears® AP Series, to facilitate servicing of the filter element (refer to Hose Fittings).

Mesh Size	Hole Size (in.)	Part Number Extension
20 Mesh	.0331	-20
30 Mesh	.0232	-30
50 Mesh	.0117	-50
80 Mesh	.0070	-80
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: HF-50 = 50 Mesh

7 GPM Hose Filter Assembly

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
with Stainless Steel Screen					
HF-20	3/4	10	60	020	17.77
HF-30	3/4	10	60	020	17.77
HF-50	3/4	10	60	020	17.77
HF-80	3/4	10	60	020	17.77
HF-100	3/4	10	60	020	18.46
HF-150	3/4	10	60	020	18.69
HF-200	3/4	10	60	020	19.19

with Plastic/Nylon Screen

HF-150N	3/4	10	60	020	18.69
---------	-----	----	----	-----	-------

Hose Filter Replacement Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Stainless Steel Screen					
HF-20-1W	5	25	150	020	6.50
HF-30-1W	5	25	150	020	6.50
HF-50-1W	5	25	150	020	6.50
HF-80-1W	5	25	150	020	6.50
HF-100-1W	5	25	150	020	9.60
HF-150-1W	5	25	150	020	9.60
HF-200-1W	5	25	150	020	9.60

Plastic/Nylon Screen

HF-150-1NW	4-3/4	25	150	020	9.60
------------	-------	----	-----	-----	------

7 GPM Hose Filter Body Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose Filter Body w/o screen

HF	3/4	10	60	020	13.37
----	-----	----	----	-----	-------

Hose Washer

W-100	3/4	50	1500	020	.04
-------	-----	----	------	-----	-----

Screen Washer

S-W	- - -	600	0	901	.20
-----	-------	-----	---	-----	-----



• Hose Fittings • Solvent Weld For Flexible PVC Hose

FHT = Female Hose Thread
 Fipt = Female Iron Pipe Thread
 HS = Hose Socket
 Ins = Male Insert Barb

MHT = Male Hose Thread
 Mipt = Male Iron Pipe Thread
 Soc = IPS Solvent Weld Socket

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose Coupling

C-44	1/2	200	0	020	.88
C-55	5/8	100	0	020	1.17
C-66	3/4	100	0	020	2.23

**90° EII
MHT x Soc**

EHP-007	3/4	50	0	020	2.49
EHP-101	3/4X1/2	50	0	020	2.13

Hose Tee

MHT x MHT x FHT Swivel with Washer

AP-101	3/4	50	0	020	4.31
--------	-----	----	---	-----	------



W-100



W-101

Hose Washer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Washer Only					
W-100	3/4	50	1500	020	.04
W-101	3/4	400	2400	020	1.04

Swivel Adapter

Fipt x FHT Swivel with Washer

AP-105	1/2X3/4	50	200	020	2.80
AP-106	3/4	50	200	020	2.80

Swivel Adapter

Mipt x FHT Swivel with Washer

AP-109	3/4	50	200	020	2.80
AP-112	1/2X3/4	50	200	020	2.80

Swivel Adapter

FHT Swivel x FHT Swivel with Washer

AP-110	3/4	50	200	020	2.80
--------	-----	----	-----	-----	------

Female Adapter

FHT Swivel x HS with Washer

F-64	3/4X1/2	100	0	020	2.17
F-65	3/4X5/8	100	0	020	2.31
F-66	3/4	100	0	020	2.38

FHT Swivel x Soc

F-64-P	3/4X1/2	100	0	020	2.17
F-66-P	3/4	100	0	020	2.38

Male Adapter

Mipt x HS

M-44	1/2X1/2	50	300	020	1.21
MHT x HS					
M-64	3/4X1/2	50	300	020	1.23
M-65	3/4X5/8	50	200	020	1.96
M-66	3/4	50	200	020	2.27

MHT x Soc

M-64-P	3/4X1/2	50	200	020	1.21
M-66-P	3/4	50	200	020	2.27

• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Female Compression Adapter

FHT x Poly Adapter with Insert Expander

F-64B	3/4X1/2	50	600	020	1.96
-------	---------	----	-----	-----	------

Male Compression Adapter

MHT x Poly Adapter with Insert Expander

M-64B	3/4X1/2	100	0	020	1.50
-------	---------	-----	---	-----	------

Hose Tee

Ins x Ins x FHT Swivel

AP-101B	1/2X3/4	50	0	020	3.36
---------	---------	----	---	-----	------

Transition Tee

Soc x Soc x Ins

1102-007	3/4	50	0	040	3.06
1102-130	1X1/2	200	0	040	3.43
1102-250	2X1-1/4	10	0	040	4.83

Insert Coupling

Ins x Ins

1429-005A	1/2	200	0	140	.93
-----------	-----	-----	---	-----	-----

Insert Male Adapter

Ins x Mipt

1436-005A	1/2	200	0	140	.78
-----------	-----	-----	---	-----	-----



Schedule 40 Fittings & Accessories
• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose & Hose Adapters

• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each	Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------	-------------	------	-----------	-------------	--------------	---------------

Plug
MHT



HPL-6	3/4	100	600	020	1.96
-------	-----	-----	-----	-----	------

Hose Closure
For 1/2" Poly Hose



S-HC-1	1/2	200	0	020	.86
--------	-----	-----	---	-----	-----

Cap
FHT with Washer



AP-100	3/4	200	0	020	1.63
--------	-----	-----	---	-----	------

Hose Adapters

For Solid Set Or Moveable Aluminum Systems

Fipt = Female Iron Pipe Thread
MHT = Male Hose Thread
Mipt = Male Iron Pipe Thread
Rebar = Accepts 1/2" Rebar

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Cross
MHT x MHT x Fipt x MHT



P-101	3/4X3/4X1/2X3/4	125	0	020	8.46
-------	-----------------	-----	---	-----	------

MHT x MHT x Fipt x Mipt

P-100	3/4	125	0	020	8.46
P-102	3/4X3/4X1/2X3/4	100	0	020	8.46
P-103	3/4X3/4X1/2X1/2	125	0	020	8.46

Rebar Cross
MHT x MHT x Fipt x Rebar



PR-101	3/4X1/2	50	0	020	9.10
PR-103	3/4X3/4X1/2X1/2	50	0	020	9.10

Rebar El
MHT x Fipt x Rebar



PR-100	3/4X1/2X1/2	100	0	020	4.79
PR-102	3/4X3/4X1/2	100	0	020	4.79

Schedule 40 Fittings & Accessories Irrigation Accessories & Sprinkler Accessories



Irrigation Accessories

Spears® PVC Adapter System offers a unique method for expanding field irrigation systems that lends versatility and economy to your project. These adapters are designed to use 1/2", 5/8" or 3/4" vinyl hose, and the Rebar fittings and crosses accept a 1/2" or 3/4" sprinkler base. Transition to the existing system can be accomplished with any one of the threaded outlets offered.

New Installation — Spears® PVC Adapter System is designed with threaded or swivel thread connections which simplify the initial installation and minimize material, manpower and installation costs. Additional savings accrue through a reduction of the number of laterals required.

Improving Existing Systems — The Spears® Adapter System is ideal for updating existing systems because it readily adapts to aluminum or PVC mains and laterals. Expansion or refinement of the irrigation system is easily accomplished through the versatility afforded the user in the location of the new sprinkler heads.

BSW	=	British Standard Whitworth Thread
FHT	=	Female Hose Thread
Fipt	=	Female Iron Pipe Thread
MHT	=	Male Hose Thread
Mipt	=	Male Iron Pipe Thread

NFT	=	National Fine Thread
Rebar	=	Accepts 1/2" Rebar
Soc	=	IPS Solvent Weld Socket
Spig	=	Spigot

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose System Riser

Soc x Mipt



RM-64	1/2	75	0	020	4.79
RM-66	3/4	75	0	020	4.79

Hose System Riser

Soc x MHT



RM-66-H	3/4	75	0	020	4.79
---------	-----	----	---	-----	------

Hose System Riser

Soc x Fipt



RF-64	1/2	75	0	020	5.97
RF-66	3/4	70	0	020	5.97

Trickle Irrigation Hex Cap

Fipt (Less Holes)



T-1	1/2	800	0	020	1.56
-----	-----	-----	---	-----	------

Shrub Adapter

Fipt x NFT



PA2010-01	1/2X10-32	50	300	020	1.21
PA2010-03	1/2X5/16	50	300	020	1.21

Fipt x Fipt

PA2010-02	1/2X1/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Fipt x BSW

PA2010-04	1/2X3/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Shrub Adapter

Soc x NFT



PA2020-01	1/2X10-32	50	300	020	1.21
-----------	-----------	----	-----	-----	------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Shrub Adapter (continued)

Soc x NFT

PA2020-03	1/2X5/16	50	300	020	1.21
-----------	----------	----	-----	-----	------

Soc x Fipt

PA2020-02	1/2X1/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Soc x BSW

PA2020-04	1/2X3/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Transition Nipple

Mipt x MHT (1.790 Length)



N-1	3/4X3/4	50	300	020	1.28
-----	---------	----	-----	-----	------

Mipt x Mipt (1.410 Length)

N-2	3/8X1/2	50	300	020	1.28
-----	---------	----	-----	-----	------

Mipt x MHT (1.872 Length)

N-3	1/2X3/4	50	300	020	1.28
-----	---------	----	-----	-----	------

Mipt x Mipt Polypropylene (1.480 Length)

N-4	3/4X1/2	50	300	020	1.28
-----	---------	----	-----	-----	------

Pipe Support (90° Clip to Body)

Without Nail Holes



PS4-90	1/2	750	0	020	.57
--------	-----	-----	---	-----	-----

With Nail Holes

PS4-90N	1/2	750	0	020	.72
---------	-----	-----	---	-----	-----

Manifold Tee

Spig x Soc x Mipt



476-010	1	20	0	020	5.68
---------	---	----	---	-----	------

Manifold Tee

Spig x Soc x Fipt



477-010	1	25	0	020	5.68
---------	---	----	---	-----	------

Sprinkler Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Standard Sprinkler Stand

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

ES-443†	1/2X3/8	100	0	020	7.43
ES-444†	1/2X1/2	100	0	020	7.43

Made in the U.S.A.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Standard Sprinkler Stand (continued)

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet

ES-543†	5/8X1/2X3/8	75	0	020	8.63
---------	-------------	----	---	-----	------

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Schedule 40 Fittings & Accessories Sprinkler Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Standard Sprinkler Stand (continued)

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet

ES-654*	3/4X5/8X1/2	75	0	020	10.52
ES-663*	3/4X3/8	75	0	020	11.01
ES-664*	3/4X1/2	75	0	020	11.01

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the ES-443 or ES-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

Easy Pull Sled

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

EP-443†	1/2X3/8	20	0	020	17.98
EP-444†	1/2	20	0	020	17.98
EP-543*	5/8X1/2X3/8	20	0	020	19.19
EP-544*	5/8X1/2X1/2	20	0	020	19.19
EP-553*	5/8X3/8	20	0	020	20.36
EP-554*	5/8X1/2	20	0	020	20.36
EP-653*	3/4X5/8X3/8	20	0	020	20.62
EP-654*	3/4X5/8X1/2	20	0	020	20.62
EP-663*	3/4X3/8	20	0	020	21.09
EP-664*	3/4X1/2	20	0	020	21.09

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the EP-443 or EP-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

Tow-Line Tee

Soc



Assembled as shown

TL-112	1X1X1/2	15	0	020	11.98
TL-123	2X2X1/2	25	0	020	14.36

Soc x Soc x Fipt

TL-112-1	1X1X1/2	30	0	020	12.94
TL-116-1	1-1/4X1-1/4X1/2	30	0	020	13.19
TL-120-1	1-1/2X1-1/2X1/2	25	0	020	13.67
TL-123-1	2X2X1/2	25	0	020	14.86

NOTE: The Tow-Line Tee is used in conjunction with PVC Schedule 40 Pipe with solvent weld connection.

Hose Cross - with Legs

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

HC-443†	1/2X3/8	60	0	020	8.63
HC-444†	1/2X1/2	60	0	020	8.63
HC-543*	5/8X1/2X3/8	60	0	020	9.83
HC-544*	5/8X1/2X1/2	60	0	020	9.83
HC-553*	5/8X3/8	60	0	020	11.01
HC-554*	5/8X1/2	60	0	020	11.01
HC-653*	3/4X5/8X3/8	60	0	020	11.74
HC-654*	3/4X5/8X1/2	60	0	020	11.74
HC-663*	3/4X3/8	60	0	020	12.46
HC-664*	3/4X1/2	60	0	020	12.46

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the HC-443 or HC-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

NOTE: Hose Crosses are standard with 4" legs. 8" legs are available upon request. Add "-8" at the end of above Part Numbers for 8" legs (for example: HC-443-8). Contact your servicing Regional Distribution Center for pricing.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Hose Cross - Less Legs

Hose Socket Inlet x Hose Socket Inlet x IPS Riser Outlet



Shown without adapters

HC-443-1†	1/2X3/8	220	0	020	4.31
HC-444-1†	1/2X1/2	200	0	020	4.31
HC-543-1*	5/8X1/2X3/8	60	0	020	5.97
HC-544-1*	5/8X1/2X1/2	60	0	020	5.97
HC-553-1*	5/8X3/8	50	0	020	7.90
HC-554-1*	5/8X1/2	50	0	020	7.90
HC-653-1*	3/4X5/8X3/8	60	0	020	8.16
HC-654-1*	3/4X5/8X1/2	60	0	020	8.16
HC-663-1*	3/4X3/8	60	0	020	8.63
HC-664-1*	3/4X1/2	60	0	020	8.63

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the HC-443-1 or HC-444-1 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

Schedule 40 Fittings & Accessories Dri-Splice Wire Connectors

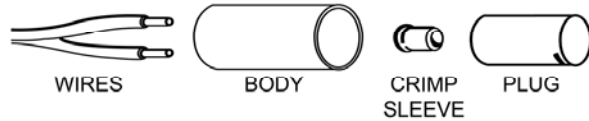


For use in electrical systems with 30v or less.

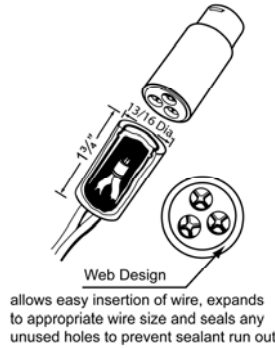
The Spears® Dri-Splice Seal designed into each wire hole enables you to stock one connector for all applications. The Dri-Splice Seal features an interference webbing which expands to accommodate #18 through #6 gauge wire sizes. In the event only two holes are used, the Dri-Splice Seal prevents sealant from leaking out through the third hole.

SOLD IN STANDARD PACK QUANTITIES ONLY

DS-100/DS-150 & DS-400/DS-450 Dri-Splice Wire Connector Installation Information



1. Insert wires through holes in base of body.
2. Twist stripped wires together and apply crimp sleeve with an indent type crimping tool. Trim excess bare wire.
3. DS-100 & DS-150 ONLY — Fill Plug to brim with DS-300 sealant.
4. Invert body and insert plug into body until it snaps tight.
5. Push wires all the way into the plug to completely seal the crimp sleeve.
6. DS-100 & DS-150 ONLY — Be certain sealant has formed into all holes in body.



DS-100 & DS-150 Dri-Splice

- DS-100 fits AWG #18, #14, #12, or #10
- DS-150 fits AWG #14, #12, #10, #8, or #6
- Designed to insure waterproof connections
- Easily installed in the field without special tools
- Permanent protection for underground wire splices
- Requires the use of DS-300 Sealant

DS-400 & DS-450 Pre-Filled Dri-Splice

- All the features of the DS-100 or DS-150, plus the added benefit of being pre-filled with Dielectric Silicone Sealant
- Reduced inventory requirements
- Insures proper amount and type of Sealant every time
- Eliminates costly waste and clean-up
- Makes installations quick, clean and efficient

Dri-Splice Wire Connectors

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Dri-Splice Wire Connector with Crimp Sleeve (Sealant sold separately)					
DS-100	AWG #18, #14, #12, #10	25	400	020	1.39
DS-150	AWG #14, #12, #10, #8, #6	25	400	020	1.66

Pre-Filled Dri-Splice Wire Connector with Crimp Sleeve

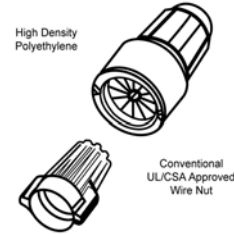
DS-400	AWG #18, #14, #12, #10	25	400	020	3.03
DS-450	AWG #14, #12, #10, #8, #6	25	400	020	3.30

Crimp Sleeves

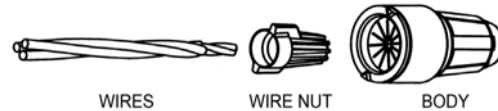
DS-200	AWG #18, #14, #12, #10	25	15000	901	.24
DS-250	AWG #14, #12, #10, #8, #6	25	12500	901	.50

Dri-Splice Sealant For DS-100 and DS-150 (Approx. 30 connections per 5 oz. tube)

DS-300	AWG #18, #14, #12, #10	24	0	020	14.53
--------	------------------------	----	---	-----	-------



DS-500 Dri-Splice Wire Connector Installation Information



1. Strip wires and install wire nut.
2. wire nut wings with arrows and insert fully into body.

Sealant:

Dri-Splice Wire Connector General Information

DS-300 Sealant* (for DS-100 & DS-150) -MSDS available upon request.

DS-400 & DS-450 Dielectric Silicone Sealant*-defined as an Article, per OSHA 29 CFR 1910, 1200, which does not require an MSDS.

DS-500 Dielectric Silicone Sealant*-defined as an Article, per OSHA 29 CFR 1910, 1200, which does not require an MSDS.

Shelf Life:

DS-300 (unopened tube)— One Year*

DS-400 & DS-450 — Indefinite at 73°F (23°C)*

DS-500— Indefinite at 73°F (23°C)*

Electrical Systems:

For use in electrical systems with 30v or less. UL Listing NOT required in most areas.

DS-100/DS-150 &

Plug— PVC

DS-400/DS-450

Body— PVC

Components:

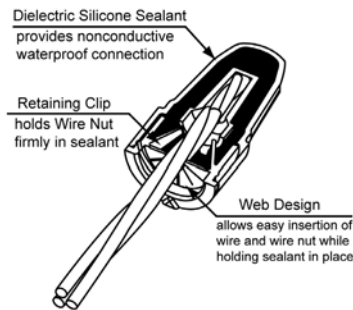
Crimp Sleeve— UL and CSA Listed for 18 - 10 awg solid or stranded copper conductors.

DS-500 Components:

Body— Polyethylene

Wire Nut— Twist-On Spring Type - UL/CSA Listed for 22 - 10 awg solid or stranded copper wire.

* Information developed and furnished by the Sealant Manufacturers. For additional information, please contact Spears® Technical Services Department.



DS-500 Dri-Splice Wire Connector

For use in electrical systems with 30v or less.

Spears® NEW DS-500 Dri Splice Wire Connector is the fast, reliable and clean way of making positive, waterproof connections you can depend on. Simply twist Wire Nut on and insert into Dielectric Silicone Sealant Cartridge. The DS-500 is specially designed for irrigation systems and low voltage lighting, marine and security systems and suitable for direct burial.

- Allows full assembly and check of connection prior to sealing
- Accepts wire combinations from 3 #22 to 3 #10 AWG solid or stranded copper wire
- Special "No-Mess" cartridge design fully encloses sealant
- Internal interlock prevents disengagement of wire nut from sealant cartridge

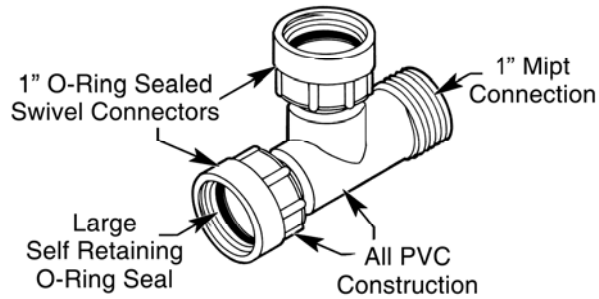
Dri-Splice Wire Connectors

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Pre-Filled Dri-Splice Wire Connector with Wire Nut					
DS-500	3 AWG #22-#10	25	500	020	3.03



Schedule 40 Fittings & Accessories PVC Irrigation Manifold Systems

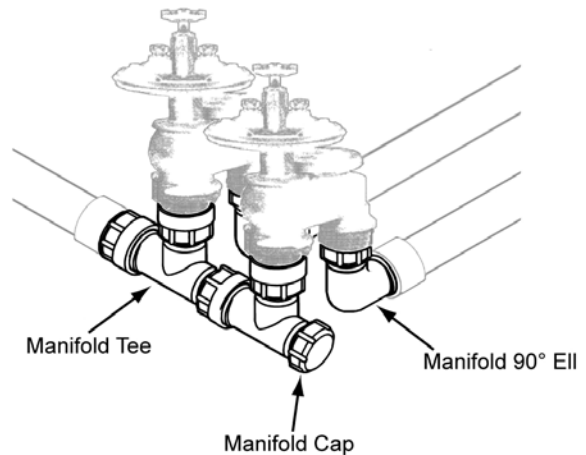
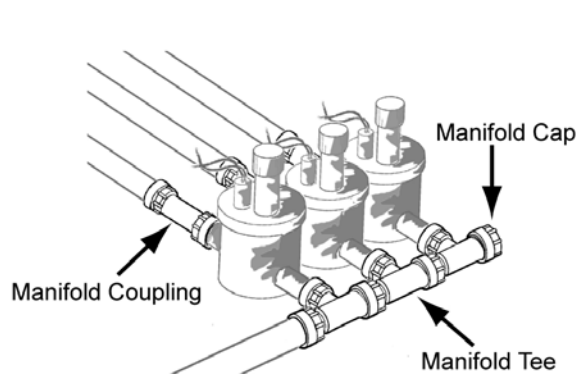
1" Manifold Tees & Companion Fitting Configurations Designed For Uniform Irrigation Control Valve Installations



Manifold Tee
(1" Swivel x 1" Mipt x 1" Swivel)

- O-ring Sealed Swivel Connections Require No Thread Sealants - Large Cross-section O-ring Allows Hand Tight Assembly for Positive Seal
- Compatible with all 1" IPS Pipe Thread Outlets
- Pressure Rated to 150 psi @ 73°F (23°C)

Typical Application Hundreds of Variation Possibilities



Schedule 40 Fittings & Accessories High Strength 1" Manifold Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Manifold Tee

Swivel x Mipt x Swivel with O-ring Seal



MA0101-010	1	25	0	019	9.41
------------	---	----	---	-----	------

2 - Port Manifold Tee

Swivel x Mipt x Swivel Branch with O-ring Seal



MA0101-010-2	1	25	0	019	13.66
--------------	---	----	---	-----	-------

3 - Port Manifold Tee

Swivel x Mipt x Swivel Branch with O-ring Seal



MA0101-010-3	1	25	0	019	18.81
--------------	---	----	---	-----	-------

4 - Port Manifold Tee

Swivel x Mipt x Swivel Branch with O-ring Seal



MA0101-010-4	1	25	0	019	24.00
--------------	---	----	---	-----	-------

Manifold Tee

Soc(Spig) x Mipt x Swivel with O-ring Seal



For Solvent Cement Connection

MA0109-010	1 (1-1/4)	25	0	019	8.37
------------	-----------	----	---	-----	------

Manifold 90° Street El

Mipt x Swivel with O-ring Seal



MA0602-010	1	25	0	019	8.04
------------	---	----	---	-----	------

Manifold 90° El

Swivel x Swivel with O-ring Seal



MA0603-010	1	20	0	019	8.87
------------	---	----	---	-----	------

Manifold Cross

Swivel x Mipt x Swivel x Swivel with O-ring Seal



MA2004-010	1	25	0	019	12.49
------------	---	----	---	-----	-------

Manifold Swivel Coupling

Swivel x Swivel with O-ring Seal



MA2903-010	1	25	200	019	6.66
------------	---	----	-----	-----	------

Manifold Nipple Coupling

Swivel x Mipt with O-ring Seal



MA2907-010	n/a	25	200	019	4.86
------------	-----	----	-----	-----	------

Manifold Socket (Spig) Coupling

Swivel x Soc (Spig) with O-ring Seal



For Solvent Cement Connection

MA2908-010	1 (1-1/4)	25	0	019	4.86
------------	-----------	----	---	-----	------

Manifold Insert Coupling

Swivel x Barbed Insert with O-ring Seal



MA3505-007	1X3/4	25	200	019	4.84
MA3505-010	1	25	200	019	5.16

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Manifold Cap

Fipt with O-ring Seal



MA4800-010	1	50	600	019	2.03
------------	---	----	-----	-----	------

Manifold Nipple

Mipt x Mipt with O-ring Seal



1" Nipple End Uses MA-218 O-ring

3/4" Nipple End Uses MA-214 O-ring

MA8306-010	1	25	200	019	2.18
MA8306-131	1X3/4	25	200	019	1.91

Manifold Replacement O-ring

For All 1" Cap/Swivel Connectors & For 3/4" Nipple End



MA-214	1 & 3/4	50	500	901	.47
--------	---------	----	-----	-----	-----

Manifold Nipple Replacement O-ring

For 1" Nipple & For 1" Nippled Coupling End



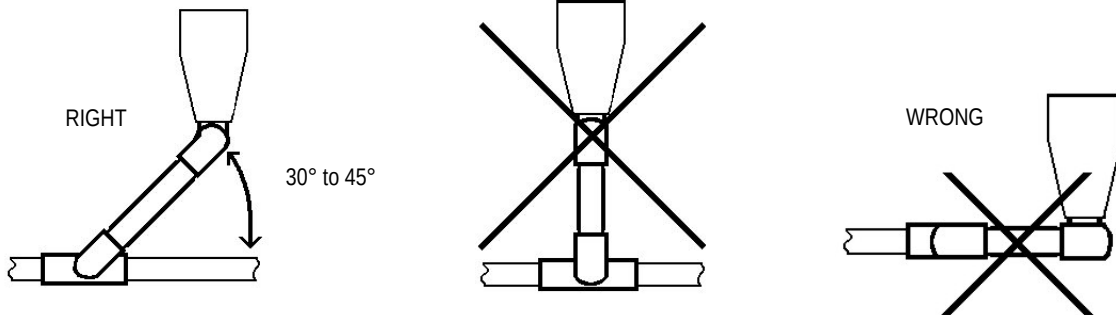
MA-218	1	50	500	901	.50
--------	---	----	-----	-----	-----



Schedule 40 Fittings & Accessories Turf Swivel Joints

Turf Swivel Joints, Compact Turf Swivel Joints and Turf Swivel Joint Kits are designed for open discharge systems and are not to be used with valve-in-head sprinklers or quick coupler valves. Can be used with bottom or side sprinklers. Provides 360° adjustment in three planes to place sprinklers at desired locations.

Turf Swivel Joint Assemblies should **NOT** be installed perpendicular or parallel to the supply line.



Turf Swivel Joint and Compact Turf Swivel Joints are pre-assembled from the factory with O-ring threaded joints. Turf Swivel Joint Kits are provided as two assemblies for use with user supplied pipe in solvent welded field assembly. These joints are pre-lubricated and should not be disassembled, as dirt, sand or other foreign objects could damage the O-ring or threads and cause leakage.

Prior to beginning installation, tighten each O-ring thread joint completely, and then back out the male part one full turn to allow the joint to swivel a full 360°.

Schedule 40 Fittings & Accessories Turf Swivel Kits

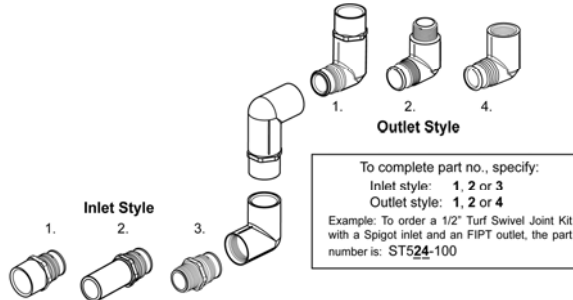


3-Elb Swivel Joint Kits

Complete kit for field assembly with any length of user supplied pipe. Kit includes upper and lower Elbow assemblies with choice of the following Inlet & Outlet Options:

Inlet Code:
1 = Socket
2 = Spigot
3 = Mipt

Outlet Code:
1 = Socket
2 = Mipt
4 = Fipt



Turf Swivel Joint Kit

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
ST5_-100	1/2	10	0	030	18.63
ST7_-100	3/4	10	0	030	21.03
ST9_-100	1	10	0	030	24.48

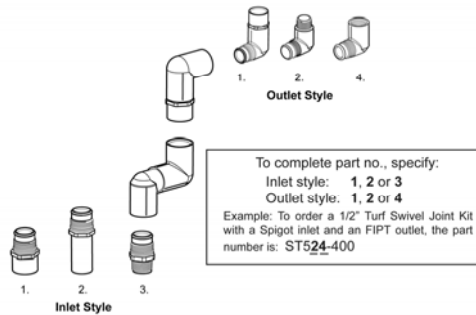
3-Elb Swivel Joint Kits

4-Elb Swivel Joint Kits

Complete kit for field assembly with any length of user supplied pipe. Kit includes upper and lower Elbow assemblies with choice of the following Inlet & Outlet Options:

Inlet Code:
1 = Socket
2 = Spigot
3 = Mipt

Outlet Code:
1 = Socket
2 = Mipt
4 = Fipt



4-Elb Swivel Joint Kits

ST5_-400	1/2	10	0	030	19.78
ST7_-400	3/4	10	0	030	22.21
ST9_-400	1	10	0	030	26.80



Schedule 40 Fittings & Accessories Turf Swivel Joints

Complete Factory Assembly. Available in sizes 1/2", 3/4" and 1" with the following Lay Length Options:

8" = 8L
12" = 12L
15" = 15L
19" = 19L

Choice of the following Inlet & Outlet Options:

Inlet Code
1 = Socket
2 = Spigot
3 = Mipt

Outlet Code
1 = Socket
2 = Mipt
4 = Fipt

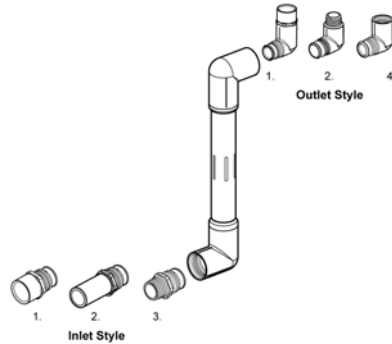
To complete part no., specify:

Inlet style: 1, 2, or 3

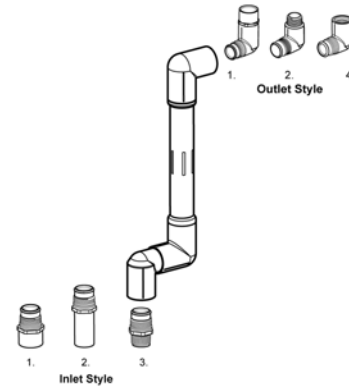
Outlet style: 1, 2, or 4

Example: To order a 1/2" 3-Elb Turf Swivel Joint with an 8" lay length, a Spigot inlet and an FIPT outlet, the part number is: ST5 24 -208

3-Elb Turf Swivel Joint



4-Elb Turf Swivel Joint



Turf Swivel Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

3-Elb Turf Swivel Joints

ST5 -208	1/2X8L	10	0	030	29.20
ST5 -212	1/2X12L	10	0	030	29.55
ST5 -215	1/2X15L	10	0	030	30.46
ST5 -219	1/2X19L	10	0	030	31.44
ST7 -208	3/4X8L	10	0	030	31.48
ST7 -212	3/4X12L	10	0	030	32.97
ST7 -215	3/4X15L	10	0	030	33.61
ST7 -219	3/4X19L	10	0	030	34.41
ST9 -208	1X8L	10	0	030	34.67
ST9 -212	1X12L	10	0	030	35.76
ST9 -215	1X15L	10	0	030	36.69
ST9 -219	1X19L	10	0	030	37.95
ST57 -208	1/2X3/4X8L	10	0	030	29.20
ST57 -212	1/2X3/4X12L	10	0	030	29.55
ST57 -215	1/2X3/4X15L	10	0	030	30.46
ST57 -219	1/2X3/4X19L	10	0	030	31.44
ST75 -208	3/4X1/2X8L	10	0	030	31.48
ST75 -212	3/4X1/2X12L	10	0	030	32.97
ST75 -215	3/4X1/2X15L	10	0	030	33.61
ST75 -219	3/4X1/2X19L	10	0	030	33.61

4-Elb Turf Swivel Joints

ST5 -408	1/2X8L	10	0	030	29.83
ST5 -412	1/2X12L	10	0	030	30.18
ST5 -415	1/2X15L	10	0	030	31.02
ST5 -419	1/2X19L	10	0	030	31.93
ST7 -408	3/4X8L	10	0	030	32.11
ST7 -412	3/4X12L	10	0	030	33.53
ST7 -415	3/4X15L	10	0	030	34.17
ST7 -419	3/4X19L	10	0	030	34.90
ST9 -408	1X8L	10	0	030	36.47
ST9 -412	1X12L	10	0	030	37.48
ST9 -415	1X15L	10	0	030	38.39
ST9 -419	1X19L	10	0	030	39.59
ST57 -408	1/2X3/4X8L	10	0	030	29.83
ST57 -412	1/2X3/4X12L	10	0	030	30.18
ST57 -415	1/2X3/4X15L	10	0	030	31.02
ST57 -419	1/2X3/4X19L	10	0	030	31.93
ST75 -408	3/4X1/2X8L	10	0	030	33.61
ST75 -412	3/4X1/2X12L	10	0	030	34.90

Turf Swivel Joints (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

4-Elb Turf Swivel Joints

ST75 -415	3/4X1/2X15L	10	0	030	34.90
ST75 -419	3/4X1/2X19L	10	0	030	34.90

Schedule 40 Fittings & Accessories Compact Turf Swivel Joints



Factory Assembled
All Inlets are Swivel Male Threads

Three Outlet Choices:

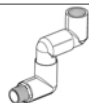
Series ST11 & ST41 = Female Pipe Threads
Series ST12 & ST42 = Swivel Male Pipe Threads
Series ST13 & ST43 = Male Pipe Threads

Also available in 1" MBSP inlet x 1" MBSP outlet. Contact Spears® for pricing and availability.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

3-El Compact Swivel Joints

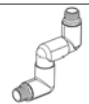
Swivel Mipt x Fipt



ST1105	1/2	10	0	030	18.63
ST1107	3/4	10	0	030	21.03
ST1110	1	10	0	030	24.49

3-El Compact Swivel Joints

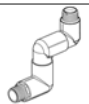
Swivel Mipt x Swivel Mipt



ST1205	1/2	10	0	030	18.63
ST1207	3/4	10	0	030	21.03
ST1210	1	10	0	030	24.49

3-El Compact Swivel Joints

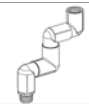
Swivel Mipt x Mipt



ST1305	1/2	10	0	030	18.63
ST1307	3/4	10	0	030	21.03
ST1310	1	10	0	030	24.49

4-El Compact Swivel Joints

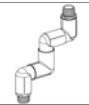
Swivel Mipt x Fipt



ST4105	1/2	10	0	030	19.78
ST4107	3/4	10	0	030	22.21
ST4110	1	10	0	030	26.80

4-El Compact Swivel Joints

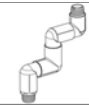
Swivel Mipt x Swivel Mipt



ST4205	1/2	10	0	030	19.78
ST4207	3/4	10	0	030	22.21
ST4210	1	1	10	030	26.80

4-El Compact Swivel Joints

Swivel Mipt x Mipt



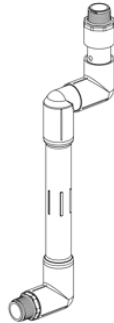
ST4305	1/2	10	0	030	19.78
ST4307	3/4	10	0	030	22.21
ST4310	1	10	0	030	26.80



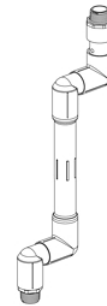
Schedule 40 Fittings & Accessories Pressure Regulated Swivel Joints & Turf Swivel Joint Replacement Parts

Pressure Regulated Swivel Joints

3-El Pressure Regulated Swivel Joint



4-El Pressure Regulated Swivel Joint



Pressure Regulated Swivel Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
3-El - Mipt x Mipt					
ST73PR-208	3/4X8L	10	0	030	58.31
ST73PR-212	3/4X12L	10	0	030	59.90
ST73PR-215	3/4X15L	10	0	030	60.59
ST73PR-219	3/4X19L	10	0	030	61.41
ST93PR-208	1X8L	10	0	030	63.04
ST93PR-212	1X12L	10	0	030	64.19
ST93PR-215	1X15L	10	0	030	65.19
ST93PR-219	1X19L	10	0	030	66.52
4-El - Mipt x Mipt					
ST73PR-408	3/4X8L	10	0	030	61.54
ST73PR-412	3/4X12L	10	0	030	63.15
ST73PR-415	3/4X15L	10	0	030	63.82
ST73PR-419	3/4X19L	10	0	030	64.66
ST93PR-408	1X8L	10	0	030	68.21

Pressure Regulated Swivel Joints (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
4-El - Mipt x Mipt					
ST93PR-412	1X12L	10	0	030	69.35
ST93PR-415	1X15L	10	0	030	70.35
ST93PR-419	1X19L	10	0	030	71.67

Complete Factory Assembly. Available in sizes 3/4" and 1" with Mipt Inlet x Mipt Outlet and the following Lay Length Options:

8"	=	8L
12"	=	12L
15"	=	15L
19"	=	19L

Maintains constant, uniform pressure to sprinkler at the following pre-set nominal values:

45 psi for 3/4" Turf Swivel Joint

70 psi for 1" Turf Swivel Joint

Not recommended for use in systems with pressures equal to or less than regulated pressures above.

Pressure Rating @ 73°F (23°C), Water 315 psi

Turf Swivel Joint Replacement Parts

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Coupling FAT x FAT					
ST430-007	3/4	1	200	030	6.15
ST430-010	1	1	250	030	8.17



90° Elbow FAT x FAT

ST1101-005	1/2	1	300	030	3.55
ST1101-007	3/4	1	250	030	4.10
ST1101-101	3/4X1/2	1	270	030	3.74
ST1101-010	1	1	175	030	6.76



90° Elbow FAT x SOC

ST1102-005	1/2	1	350	030	3.55
ST1102-007	3/4	1	250	030	4.10
ST1102-010	1	1	160	030	6.76



90° Street El MAT x FAT

ST425-005	1/2	1	200	030	5.17
ST425-007	3/4	1	300	030	5.52
ST425-010	1	1	200	030	7.68



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Socket Inlet #1 SOC x MAT					
ST436-005	1/2	1	350	030	3.32
ST436-007	3/4	50	0	030	3.67
ST436-010	1	1	330	030	6.88



Spigot Inlet #2 SPG x MAT

ST105-035	1/2	1	350	030	3.53
ST107-035	3/4	1	50	030	3.95
ST110-040	1	1	140	030	7.20



**Schedule 40 Fittings & Accessories
Turf Swivel Joint Replacement Parts**



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Male Thread Outlet #2

MAT x Mipt



ST408-005	1/2	1	250	030	5.17
ST408-007	3/4	1	25	030	5.52
ST408-010	1	1	150	030	8.17

Female Thread Outlet #4

MAT x Fipt



ST412-005	1/2	1	250	030	5.17
ST412-007	3/4	1	300	030	5.52
ST412-010	1	1	200	030	7.68

Molded Nipples

MAT x MAT



ST207-065	3/4X6-1/2	1	200	030	7.31
ST207-105	3/4X10-1/2	1	115	030	16.84
ST210-065	1X6-1/2	1	120	030	9.40
ST210-105	1X10-1/2	1	25	030	22.27

O-ring Seal



B-113	1/2	100	0	901	.07
B-115	3/4	100	0	901	.07
B-120	1	100	0	901	.17



Schedule 40 Fittings & Accessories Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Flange Van Stone Style Flange x PIP Soc



125 psi Maximum Internal Pressure Rating @ 73°F (23°C)

354-060F	6X6.140	1	4	320	126.99
354-080F	8X8.160	1	2	320	192.30
354-100F	10X10.200	1	2	320	270.38
354-120F	12X12.240	1	2	320	391.60
354-150F	14X15.300	1	0	320	1043.82
354-151F	16X15.300	1	0	320	1190.79
354-181F	18X18.701	1	0	320	1809.00
354-182F	18X18.360	1	0	320	1809.00
354-201F	20X22.047	1	0	320	2755.48
354-241F	24X24.803	1	0	320	4035.33

For more information, refer to 80, 100 & 125 psi PIP Fabrication Fittings.

PIP = Plastic Irrigation Pipe (dimensions are NOT the same as IPS dimensions)

Sizes 6" - 16" are furnished with plastic ring.
Sizes 18" - 24" are furnished with steel ring.

Flange One Piece Soc



1/2" - 16" 150 psi Maximum Internal Pressure Rating @73°F (23°C)

18" - 24" 50 psi Maximum Internal Pressure Rating @73°F (23°C)

851-005	1/2	25	0	080	17.20
851-007	3/4	25	0	080	18.38
851-010	1	15	0	080	20.47
851-012	1-1/4	15	0	080	21.09
851-015	1-1/2	20	0	080	21.55
851-020	2	10	0	080	28.68
851-025	2-1/2	10	0	080	44.27
851-030	3	10	0	080	48.89
851-040	4	5	0	080	61.90
851-050	5	5	0	080	97.33
851-060	6	5	0	080	97.33
851-080	8	2	0	080	174.16
851-100F	10	1	2	083	473.27
851-120F	12	1	0	083	574.71
851-140F	14	1	0	083	1057.02
851-160F	16	1	0	083	1450.64
851-180F	18	1	0	083	3068.69
851-200F	20	1	0	083	3757.83
851-240F	24	1	0	083	4990.84

Flange One Piece Fipt



150 psi Maximum Internal Pressure Rating @73°F (23°C)

852-005	1/2	25	0	080	20.59
852-007	3/4	25	0	080	24.12
852-010	1	15	0	080	26.41
852-012	1-1/4	15	0	080	36.41
852-015	1-1/2	20	0	080	39.74
852-020	2	10	0	080	40.64
852-025	2-1/2	10	0	080	93.44
852-030	3	10	0	080	96.18
852-040	4	5	0	080	180.71
852-060F	6	1	5	083	217.09
852-080F	8	1	2	083	544.84

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Special Reinforced Flange One Piece Threaded

SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @73°F (23°C)

852-005SR	1/2	25	0	086	11.31
852-007SR	3/4	25	0	086	13.29
852-010SR	1	15	0	086	14.53
852-012SR	1-1/4	15	0	086	20.02
852-015SR	1-1/2	15	0	086	21.91
852-020SR	2	10	0	086	22.44
852-025SR	2-1/2	10	0	086	51.39
852-030SR	3	10	0	086	52.91
852-040SR	4	5	0	086	99.46

Blind Flange



1/2" - 12" Molded - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

14" - 24" Fabricated - 50 psi Maximum Internal Pressure Rating @ 73°F (23°C)

853-005	1/2	25	0	080	24.11
853-007	3/4	25	0	080	28.72
853-010	1	15	0	080	39.23
853-012	1-1/4	20	0	080	48.15
853-015	1-1/2	15	0	080	48.15
853-020	2	10	0	080	71.94
853-025	2-1/2	10	0	080	117.21
853-030	3	10	0	080	141.45
853-040	4	8	0	080	176.21
853-050F	5	1	5	083	441.70
853-060	6	5	0	080	214.13
853-080	8	5	0	080	268.02
853-100	10	3	0	081	448.18
853-120	12	2	0	081	698.01
853-140F	14	1	0	083	1327.90
853-160F	16	1	0	083	1574.63
853-180F	18	1	0	083	1770.89
853-200F	20	1	0	083	2862.36
853-240F	24	1	0	083	3816.12

Flange Van Stone Style with PVC Ring Soc



1/2" - 18" molded - 150 psi = maximum internal pressure rating @ 73°F (23°C)

18" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73°F (23°C)

854-005	1/2	25	0	080	17.18
854-007	3/4	25	0	080	18.37
854-010	1	15	0	080	20.46
854-012	1-1/4	15	0	080	21.07
854-015	1-1/2	20	0	080	21.50
854-020	2	10	0	080	28.63
854-025	2-1/2	10	0	080	44.22
854P-030	3	10	0	080	48.87
854P-040	4	5	0	080	61.82
854P-050	5	5	0	080	97.24
854P-060	6	5	0	080	97.24
854P-080	8	2	0	080	158.35
854P-100	10	2	0	081	205.00
854P-120	12	2	0	081	221.03
854P-140	14	1	0	081	853.30
854P-160	16	1	0	081	1141.33
854P-180	18	1	0	081	1840.81
854-180FP	18	1	0	083	2912.47

Schedule 40 Fittings & Accessories Pipe Flanges



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with PVC Ring (continued)

Soc

854-200FP	20	1	0	083	3562.39
854-240FP	24	1	0	083	4846.02

Flange Van Stone Style with Glass Filled PVC Ring

Soc

3" - 18" molded - 150 psi = maximum internal pressure rating @ 73°F (23°C)

854-030	3	10	0	080	48.87
854-040	4	5	0	080	61.82
854-050	5	5	0	080	97.24
854-060	6	5	0	080	97.24
854-080	8	2	0	080	158.35
854-100	10	2	0	081	205.00
854-120	12	2	0	081	221.03
854-140	14	1	0	081	853.30
854-160	16	1	0	081	1141.33
854-180	18	1	0	081	1840.81

18" flange has 4-section ring

Flange Van Stone Style Class 300 Bolt Pattern Fabricated with PVC Ring

Soc

1/2" - 16" molded with fab ring - 150 psi = maximum internal pressure rating @ 73°F (23°C)

18" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73°F (23°C)

854-005CL300	1/2	1	25	083	141.21
854-007CL300	3/4	1	25	083	164.07
854-010CL300	1	1	15	083	257.80
854-012CL300	1-1/4	1	15	083	263.24
854-015CL300	1-1/2	1	20	083	273.44
854-020CL300	2	10	0	083	287.90
854-025CL300	2-1/2	1	10	083	316.12
854-030CL300	3	1	10	083	347.18
854-040CL300	4	1	3	083	588.69
854-060CL300	6	1	4	083	1121.23
854-080CL300	8	1	3	083	1276.26
854-100CL300	10	1	2	083	1502.52
854-120CL300	12	1	0	083	1925.03
854-140CL300	14	1	0	083	2122.53
854-160CL300	16	1	0	083	2210.38
854-180CL300	18	1	0	083	3090.45
854-200CL300	20	1	0	083	4012.82
854-240CL300	24	1	0	083	5087.14

Flange Van Stone Style with PVC Ring

Spig

1/2" - 12" molded - 150 psi = maximum internal pressure rating @ 73°F (23°C)

20" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73°F (23°C)

856-005	1/2	25	0	080	17.27
856-007	3/4	25	0	080	18.51
856-010	1	15	0	080	20.63
856-012	1-1/4	15	0	080	21.28
856-015	1-1/2	15	0	080	21.71
856-020	2	10	0	080	28.85
856-025	2-1/2	10	0	080	44.59
856P-030	3	10	0	080	49.26
856P-040	4	5	0	080	62.33
856P-060	6	4	0	080	98.04
856P-080	8	2	0	080	175.38

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with PVC Ring (continued)

Spig

856P-100	10	2	0	081	205.00
856P-120	12	2	0	081	221.03
856-200FP	20	1	0	083	3562.39
856-240FP	24	1	0	083	4846.02

Flange Van Stone Style with Glass Filled PVC Ring

Spig

3" - 12" molded, 14" - 18" molded/fabricated - 150 psi = maximum internal pressure rating @ 73°F (23°C)

856-030	3	10	0	080	49.26
856-040	4	5	0	080	62.33
856-060	6	4	0	080	98.04
856-080	8	2	0	080	175.38
856-100	10	2	0	081	205.00
856-120	12	2	0	081	221.03
856-140FP**	14	1	0	083	1830.60
856-160FP**	16	1	0	083	2221.02
856-180FP**	18	1	0	083	2912.47

** Fabricated from molded socket flanges with pipe spigot.

18" flange uses 4-piece ring

Flange Van Stone Style with Steel Ring

Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

854-180FS	18	1	0	083	1719.40
854-200FS	20	1	0	083	2083.53
854-240FS	24	1	0	083	2804.11

Flange Van Stone Style with Steel Ring

Spig

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

856-140FS	14	1	0	083	926.46
856-160FS	16	1	0	083	1132.41
856-180FS	18	1	0	083	1283.14
856-200FS	20	1	0	083	1545.53
856-240FS	24	1	0	083	2098.65

Flange Van Stone Style PVC with Solid Ring

Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

S854-020	2	10	0	080	35.80
S854-030	3	10	0	080	61.10
S854-040	4	5	0	080	77.29

Flange Van Stone Style PVC with Glass Filled PVC Solid Ring

Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

S854-060	6	5	0	080	121.57
S854-080	8	2	0	080	197.93
S854-100	10	2	0	081	256.24
S854-120	12	2	0	081	276.26

Flange Van Stone Style with PVC Ring

ASTM Soc x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M854-020	2	10	0	080	28.63
----------	---	----	---	-----	-------



Schedule 40 Fittings & Accessories Pipe Flanges & Flange Bolt Kits

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with PVC Ring (continued)

ASTM Soc x Multi-bolt Pattern Ring

* Hubs fit 2", 6" and 8" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with Glass Filled PVC Ring

ASTM Soc x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M854-060	6	5	0	080	97.24
M854-080	8	2	0	080	158.35

* Hubs fit 2", 6" and 8" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.



Flange Van Stone Style with PVC Ring

ASTM Spig x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M856-020	2	10	0	080	28.85
----------	---	----	---	-----	-------

* Spigots fit 2", 6" and 8" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.



Flange Van Stone Style with Glass Filled PVC Ring

ASTM Spig x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M856-060	6	4	0	080	98.04
M856-080	8	2	0	080	159.54



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with Glass Filled PVC Ring (continued)

ASTM Spig x Multi-bolt Pattern Ring

* Spigots fit 2", 6" and 8" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with PVC Ring Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

855-005	1/2	25	0	080	20.55
855-007	3/4	25	0	080	24.11
855-010	1	15	0	080	26.37
855-012	1-1/4	15	0	080	36.35
855-015	1-1/2	20	0	080	39.70
855-020	2	10	0	080	40.62
855-025	2-1/2	10	0	080	93.38



Flange Van Stone Style with Glass Filled PVC Ring Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

855-030	3	10	0	080	96.05
855-040	4	5	0	080	174.64
855-060	6	1	4	080	274.64
855-060F	6	1	4	083	244.12
855-080	8	2	0	080	340.33
855-080F	8	1	2	083	302.88
855-100F	10	1	2	083	341.23



Flange Bolt Kits

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------



Bolt Kit Selection Guide

Order Gaskets & Bolt Kits Separately

- Kit Contains All Bolts, Nuts, & Flat Washers for Specified Flange Size
- For Connecting Two (2) Mating Spears® Flanges
- Pre-coated, Anti-seize Lubricated Bolts
- Available in Zinc Coated Steel, Type 304 Stainless Steel or Type 316 Stainless Steel

Flange Size	Bolts* Per Kit	Diameter (in.-TPI)	Length (in.)	Hardware Kit Part Number		
				Zinc	316 SS	304 SS
1/2 & 3/4	4	1/2-13	2	HK-005	HK1-005	HK2-005
1 & 1-1/4	4	1/2-13	2-1/4	HK-010	HK1-010	HK2-010
1-1/2	4	1/2-13	2-1/2	HK-015	HK1-015	HK2-015
2	4	5/8-11	3	HK-020	HK1-020	HK2-020
2-1/2	4	5/8-11	3-1/4	HK-025	HK1-025	HK2-025
3	4	5/8-11	3-1/2	HK-030	HK1-030	HK2-030
4	8	5/8-11	3-1/2	HK-040	HK1-040	HK2-040
5 & 6	8	3/4-10	4	HK-060	HK1-060	HK2-060
8	8	3/4-10	4-1/2	HK-080	HK1-080	HK2-080
10 & 12	12	7/8-9	5	HK-120	HK1-120	HK2-120

*Each Bolt Includes Nut & Two (2) Flat Washers

Zinc Plated Steel Flange Bolt Hardware Kits

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers



HK-005	1/2	1	10	017	9.53
HK-010	3/4 & 1	1	10	017	11.91
HK-015	1-1/4 & 1-1/2	1	10	017	17.91
HK-020	2	1	10	017	23.97
HK-025	2-1/2	1	10	017	28.74
HK-030	3	1	10	017	33.07
HK-040	4	1	5	017	68.51

Schedule 40 Fittings & Accessories
Flange Bolt Kits & Full-Faced Flange Gaskets



Flange Bolt Kits

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Zinc Plated Steel Flange Bolt Hardware Kits (continued)
For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK-020	2	1	10	017	23.97
HK-025	2-1/2	1	10	017	28.74
HK-030	3	1	10	017	33.07
HK-040	4	1	5	017	68.51
HK-060	5 & 6	1	5	017	76.20
HK-080	8	1	0	017	89.30
HK-120	10 & 12	1	0	017	120.82

Type 316 Stainless Steel Flange Bolt Hardware Kits

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK1-005	1/2	1	10	017	28.60
HK1-010	3/4 & 1	1	10	017	41.20
HK1-015	1-1/4 & 1-1/2	1	10	017	45.39
HK1-020	2	1	10	017	54.59
HK1-025	2-1/2	1	10	017	58.51
HK1-030	3	1	10	017	77.20
HK1-040	4	1	5	017	154.81



Type 316 Stainless Steel Flange Bolt Hardware Kits (continued)

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK1-060	5 & 6	1	5	017	201.91
HK1-080	8	1	0	017	253.36
HK1-120	10 & 12	1	0	017	515.45

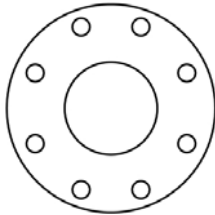
Type 304 Stainless Steel Flange Bolt Hardware Kits

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK2-005	1/2	1	10	017	25.02
HK2-010	3/4 & 1	1	10	017	35.69
HK2-015	1-1/4 & 1-1/2	1	10	017	42.05
HK2-020	2	1	10	017	49.46
HK2-025	2-1/2	1	10	017	52.44
HK2-030	3	1	10	017	65.12
HK2-040	4	1	5	017	130.24
HK2-060	5 & 6	1	5	017	137.28
HK2-080	8	1	0	017	180.52
HK2-120	10 & 12	1	0	017	319.94



Full-Faced Flange Gaskets
Gasket Selection Guide



Order Gaskets & Bolt Kits Separately

- 1/8" Full-Face design with ANSI Class 150 Bolt Patterns
- Pressure rated to 150 psi @ 73°F
- Available in Buna-N, EPDM, or Viton® (FKM)

Flange Size	Bolt Holes	Gasket Part Number		
		Buna-N	EPDM	FKM
1/2	4	GK1-005	GK2-005	GK3-005
3/4	4	GK1-007	GK2-007	GK3-007
1	4	GK1-010	GK2-010	GK3-010
1-1/4	4	GK1-012	GK2-012	GK3-012
1-1/2	4	GK1-015	GK2-015	GK3-015
2	4	GK1-020	GK2-020	GK3-020
2-1/2	4	GK1-025	GK2-025	GK3-025
3	4	GK1-030	GK2-030	GK3-030
4	8	GK1-040	GK2-040	GK3-040
5	8	GK1-050	GK2-050	GK3-050
6	8	GK1-060	GK2-060	GK3-060
8	8	GK1-080	GK2-080	GK3-080
10	12	GK1-100	GK2-100	GK3-100
12	12	GK1-120	GK2-120	GK3-120

Buna-N Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK1-005	1/2	1	25	017	3.06
GK1-007	3/4	1	25	017	3.51
GK1-010	1	1	25	017	3.61
GK1-012	1-1/4	1	25	017	3.70
GK1-015	1-1/2	1	25	017	3.97
GK1-020	2	1	25	017	4.44
GK1-025	2-1/2	1	25	017	4.88
GK1-030	3	1	25	017	7.51
GK1-040	4	1	25	017	8.40
GK1-050	5	1	25	017	9.96
GK1-060	6	1	25	017	10.23
GK1-080	8	1	25	017	13.49
GK1-100	10	1	25	017	17.12
GK1-120	12	1	25	017	23.09

EPDM Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK2-005	1/2	1	25	017	4.06
GK2-007	3/4	1	25	017	4.32

EPDM Full-Faced Flange Gaskets (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK2-010	1	1	25	017	4.51
GK2-012	1-1/4	1	25	017	4.74
GK2-015	1-1/2	1	25	017	5.09
GK2-020	2	1	25	017	6.21
GK2-025	2-1/2	1	25	017	7.46
GK2-030	3	1	25	017	10.96
GK2-040	4	1	25	017	12.48
GK2-050	5	1	25	017	15.61
GK2-060	6	1	25	017	16.38
GK2-080	8	1	25	017	21.82
GK2-100	10	1	25	017	28.43
GK2-120	12	1	25	017	39.12

Viton® (FKM) Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK3-005	1/2	1	25	017	14.49
GK3-007	3/4	1	25	017	17.20
GK3-010	1	1	25	017	19.01
GK3-012	1-1/4	1	5	017	21.46

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 73



Schedule 40 Fittings & Accessories
Full-Faced Flange Gaskets

Viton® (FKM) Full-Faced Flange Gaskets (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK3-015	1-1/2	1	25	017	27.07
GK3-020	2	1	25	017	37.84
GK3-025	2-1/2	1	25	017	50.61
GK3-030	3	1	25	017	113.09
GK3-040	4	1	25	017	130.55
GK3-050	5	1	25	017	152.19
GK3-060	6	1	25	017	172.66
GK3-080	8	1	25	017	245.99
GK3-100	10	1	25	017	327.20
GK3-120	12	1	25	017	461.02

Schedule 40 Fittings & Accessories
True Union 2000 Standard Ball Valve - PVC White & True Union 2000 Standard Ball Valves



True Union 2000 Standard Ball Valve - PVC White

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC White True Union 2000 Standard Ball Valve

Socket Ends - EPDM O-rings

Pressure Rating @73° F (23° C) = 235 psi
 Maximum Service Pressure = 140° F (60° C)
 Temperature/Pressure De-ratings Apply

3622-015W	1-1/2	1	8	608	88.68
3622-020W	2	1	8	608	117.02

Check with Spears® for additional size availability



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC White True Union 2000 Standard Ball Valves

SR Threaded Ends - EPDM O-rings

Pressure Rating @73° F (23° C) = 235 psi
 Maximum Service Pressure = 140° F (60° C)
 Temperature/Pressure De-ratings Apply

3621-015WSR	1-1/2	1	8	608	94.98
3621-020WSR	2	1	8	608	123.83

Check with Spears® for additional size availability



True Union 2000 Standard Ball Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water

1/2" - 2" = 235 psi

2-1/2" - 4" = 150 psi

Flanged = 150 psi

Maximum Service Temperature
 PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC Standard

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	3629-005 37.78	3639-005 42.02	1	18	608
3/4	3629-007 44.68	3639-007 49.70	1	18	608
1	3629-010 53.22	3639-010 59.28	1	12	608
1-1/4	3629-012 73.61	3639-012 93.96	1	8	608
1-1/2	3629-015 88.68	3639-015 98.44	1	8	608
2	3629-020 117.02	3639-020 128.84	1	4	608

Socket Ends

2-1/2	3622-025 224.15	3632-025 304.76	1	0	609
3	3622-030 296.53	3632-030 329.47	1	0	609
4	3622-040 500.87	3632-040 556.71	1	0	609

Threaded Ends

2-1/2	3621-025 224.15	3631-025 304.76	1	0	609
3	3621-030 296.53	3631-030 329.47	1	0	609
4	3621-040 500.87	3631-040 556.71	1	0	609

SR Threaded Ends

1/2	3621-005SR 38.60	3631-005SR 42.83	1	18	608
3/4	3621-007SR 46.61	3631-007SR 51.67	1	18	608
1	3621-010SR 55.16	3631-010SR 61.22	1	18	608
1-1/4	3621-012SR 79.49	3631-012SR 99.83	1	12	608
1-1/2	3621-015SR 94.98	3631-015SR 104.73	1	8	608
2	3621-020SR 123.83	3631-020SR 135.67	1	8	608

PVC Standard (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

SR Threaded Ends

2-1/2	3621-025SR 243.30	3631-025SR 323.13	1	0	609
3	3621-030SR 314.94	3631-030SR 347.86	1	0	609
4	3621-040SR 522.50	3631-040SR 578.17	1	0	609

Spigot Ends

1/2	3627-005 37.78	3637-005 42.02	1	18	608
3/4	3627-007 44.68	3637-007 49.70	1	18	608
1	3627-010 53.22	3637-010 59.28	1	12	608
1-1/4	3627-012 73.61	3637-012 93.96	1	12	608
1-1/2	3627-015 88.68	3637-015 98.44	1	8	608
2	3627-020 117.02	3637-020 128.84	1	8	608
2-1/2	3627-025 224.90	3637-025 304.76	1	0	609
3	3627-030 296.53	3637-030 329.47	1	0	609
4	3627-040 500.87	3637-040 556.71	1	0	609

Flanged Ends

1/2	3623-005 54.03	3633-005 57.62	1	8	608
3/4	3623-007 68.45	3633-007 74.44	1	8	608
1	3623-010 82.82	3633-010 89.06	1	8	608
1-1/4	3623-012 97.23	3633-012 108.07	1	4	608
1-1/2	3623-015 122.48	3633-015 133.28	1	4	608
2	3623-020 195.02	3633-020 206.85	1	0	608

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
 Progressive Products from Spears® Innovation and Technology



Schedule 40 Fittings & Accessories
True Union 2000 Standard Ball Valves

PVC Standard (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	-----------	------------	--------------

Flanged Ends

2-1/2	3623-025 360.18	3633-025 366.14	1	0	609
3	3623-030 373.23	3633-030 494.27	1	0	609
4	3623-040 800.44	3633-040 927.83	1	0	609

Schedule 40 Fittings & Accessories CWV Ball Valves & Utility Ball Valves



CWV Ball Valves



**A Combination of Economy & Quality - Made in the U.S.A.
For Greater Value in a General Purpose Cold Water Valve**

Pressure Rating @ 73°F (23°C), Water = 125 psi

You don't have to go overseas to find an economical general purpose ball valve! Spears® CWV BALL VALVES are produced in the U.S.A. with Spears® high quality construction and NSF® Certified for potable water service. Designed for use with cold water, these PVC valves may be suitable for some applications previously handled by Spears® Utility Valves. Available in IPS sizes 1/2" through 2" with a Full 1-Year Warranty.

CWV PVC Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Socket Ends					
8722-005	1/2	50	0	204	8.01
8722-007	3/4	25	0	204	9.50
8722-010	1	25	0	204	12.92
8722-012	1-1/4	20	0	204	17.13
8722-015	1-1/2	20	0	204	26.14
8722-020	2	10	0	204	33.04

CWV PVC Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Threaded Ends					
8721-005	1/2	50	0	204	9.89
8721-007	3/4	25	0	204	11.73
8721-010	1	25	0	204	15.96
8721-012	1-1/4	20	0	204	21.14
8721-015	1-1/2	20	0	204	32.27
8721-020	2	10	0	204	40.79

Utility Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 6" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free,
Water Soluble Lubricant

PVC w/EPDM O-ring Seal

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
PVC White					
1/2	2621-005 8.90	2622-005 8.90	50	0	215
3/4	2621-007 10.56	2622-007 10.56	25	0	215
1	2621-010 14.36	2622-010 14.36	25	0	215
1-1/4	2621-012 19.03	2622-012 19.03	20	0	215
1-1/2	2621-015 29.04	2622-015 29.04	20	0	215
2	2621-020 36.71	2622-020 36.71	8	0	215
2-1/2	2621-025 62.83	2622-025 62.83	6	0	214
3	2621-030 112.69	2622-030 112.69	1	4	214
4	2621-040 206.54	2622-040 206.54	1	0	214
6 (Lever Handle)	---	2622-060 333.22	1	0	214

PVC w/EPDM O-ring Seal (continued)

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
PVC Gray					
3/4	2621-007G 10.56	2622-007G 10.56	25	0	215
1	2621-010G 14.36	2622-010G 14.36	25	0	215
1-1/4	2621-012G 19.03	2622-012G 19.03	20	0	215
1-1/2	2621-015G 29.04	2622-015G 29.04	20	0	215
2	2621-020G 36.71	2622-020G 36.71	8	0	215
2-1/2	2621-025G 62.83	2622-025G 62.83	6	0	214
3	2621-030G 112.69	2622-030G 112.69	1	4	214
4	2621-040G 206.54	2622-040G 206.54	1	0	214

PVC Gray

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
1/2	2621-005G 8.90	2622-005G 8.90	50	0	215

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Schedule 40 Fittings & Accessories Single Entry Ball Valves



PVC White – Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 3" - 4" 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves Assembled with Silicone-Free, Water Soluble Lubricant.
 See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC White

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Threaded Ends

1/2	2411-005W 18.07	2421-005W 20.04	2431-005W 22.29	10	120	240
3/4	2411-007W 24.46	2421-007W 25.22	2431-007W 28.03	10	80	240
1	2411-010W 26.70	2421-010W 29.66	2431-010W 32.98	10	0	240
1-1/4	2411-012W 37.13	2421-012W 41.29	2431-012W 45.87	6	0	240
1-1/2	2411-015W 48.13	2421-015W 55.88	2431-015W 60.59	5	0	240
2	2411-020W 54.18	2421-020W 60.14	2431-020W 66.85	5	0	240
3	2411-030W 197.05	2421-030W 244.45	2431-030W 281.85	1	0	240
4	2411-040W 416.55	2421-040W 458.93	2431-040W 498.88	1	0	240

Socket Ends

1/2	2412-005W 18.07	2422-005W 20.04	2432-005W 22.29	10	120	240
3/4	2412-007W 24.46	2422-007W 25.22	2432-007W 28.03	10	80	240
1	2412-010W 26.70	2422-010W 29.66	2432-010W 32.98	10	0	240
1-1/4	2412-012W 37.13	2422-012W 41.29	2432-012W 45.87	6	0	240
1-1/2	2412-015W 48.13	2422-015W 55.88	2432-015W 60.60	5	0	240
2	2412-020W 54.18	2422-020W 60.14	2432-020W 66.85	5	0	240
3	2412-030W 197.05	2422-030W 244.45	2432-030W 281.85	1	0	240
4	2412-040W 416.55	2422-040W 458.93	2432-040W 498.88	1	0	240

Schedule 40 Fittings & Accessories
Electro Actuated True Union 2000 Standard Ball Valve & Electro Actuated Compact 2000 Ball Valve



General Purpose True Union design, 1/4-turn shutoff. Basic On-Off operation.

- Blocked Seal Carrier
- PTFE/HDPE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated True Union 2000 Standard Ball Valve

O-ring	EPDM			Viton®			Disc Code
Joint	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1453-005 446.24	E1451-005SR 447.06	E1457-005 549.01	E1454-005 491.70	E1452-005SR 492.62	E1458-005 604.90	500
3/4	E1453-007 455.98	E1451-007SR 457.83	E1457-007 575.90	E1454-007 509.32	E1452-007SR 511.19	E1458-007 641.77	500
1	E1453-010 469.69	E1451-010SR 469.69	E1457-010 601.24	E1454-010 520.70	E1452-010SR 522.72	E1458-010 666.63	500
1-1/4	E1553-012 481.07	E1551-012SR 486.85	E1557-012 625.50	E1554-012 555.10	E1552-012SR 560.78	E1558-012 721.55	500
1-1/2	E1553-015 508.94	E1551-015SR 515.09	E1557-015 656.51	E1554-015 569.63	E1552-015SR 575.90	E1558-015 734.94	500
2	E1553-020 539.27	E1551-020SR 545.95	E1557-020 722.66	E1554-020 599.59	E1552-020SR 605.88	E1558-020 803.50	500



General purpose industrial grade sealed unit design, 1/4-turn shutoff. Basic On-Off operation.

- Maintenance-free
- PTFE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated Compact 2000 Ball Valve

O-ring	EPDM			Viton®			Disc Code
Joint	Socket	Thread	Flanged	Socket	Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1404-005 429.98	E1406-005 429.98	E1408-005 529.55	E1405-005 473.87	E1407-005 473.87	E1409-005 558.44	496
3/4	E1404-007 440.52	E1406-007 440.52	E1408-007 556.85	E1405-007 489.59	E1407-007 489.59	E1409-007 585.88	496
1	E1404-010 448.43	E1406-010 448.43	E1408-010 574.03	E1405-010 497.36	E1407-010 497.36	E1409-010 603.51	496
1-1/4	E1504-012 464.26	E1506-012 464.26	E1508-012 604.67	E1505-012 524.65	E1507-012 524.65	E1509-012 636.57	496
1-1/2	E1504-015 477.48	E1506-015 477.48	E1508-015 616.00	E1505-015 534.86	E1507-015 534.86	E1509-015 652.10	496
2	E1504-020 498.54	E1506-020 498.54	E1508-020 670.26	E1505-020 556.05	E1507-020 556.05	E1509-020 707.51	496



Schedule 40 Fittings & Accessories Utility Swing Check Valves & True Union Utility Swing Check Valves

Utility Swing Check Valves



Socket/Threaded



Compression End



Socket/Threaded

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply
EPDM Seat

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Disc Code
1/2	S1520-05 15.85	S1520-05F 15.85	S1520-05FSR 18.49	35	0	026
3/4	S1520-07 16.36	S1520-07F 16.36	S1520-07FSR 20.12	35	0	026
1	S1520-10 17.04	S1520-10F 17.04	S1520-10FSR 22.28	20	0	026
1-1/4	S1520-12 17.70	S1520-12F 17.70	S1520-12FSR 26.11	12	0	026
1-1/2	S1520-15 18.76	S1520-15F 18.76	S1520-15FSR 33.12	12	0	026
2	S1520-20 29.12	S1520-20F 29.12	S1520-20FSR 44.70	15	0	026
2-1/2	S1520-25 48.44	S1520-25F 48.44	S1520-25FSR 64.02	5	0	026
3	S1520-30 53.83	S1520-30F 53.83	S1520-30FSR 95.47	4	0	026
4	S1520-40 76.21	S1520-40F 76.21	S1520-40FSR 119.36	2	0	026
6	S1520-60 160.13	S1520-60F 160.13	S1520-60FSR 211.21	1	0	026
8	S1520-80 297.47	---	---	1	0	026

PVC Clear Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Disc Code
1/2	S1520C05 21.55	S1520C05F 21.55	S1520C05FSR 24.18	35	0	026
3/4	S1520C07 21.97	S1520C07F 21.97	S1520C07FSR 25.76	35	0	026
1	S1520C10 22.39	S1520C10F 22.39	S1520C10FSR 27.64	20	0	026
1-1/4	S1520C12 23.51	S1520C12F 23.51	S1520C12FSR 31.89	12	0	026
1-1/2	S1520C15 25.55	S1520C15F 25.55	S1520C15FSR 39.93	12	0	026
2	S1520C20 36.78	S1520C20F 36.78	S1520C20FSR 52.36	15	0	026
2-1/2	S1520C25 61.31	S1520C25F 61.31	S1520C25FSR 85.47	5	0	026
3	S1520C30 68.13	S1520C30F 68.13	S1520C30FSR 109.76	4	0	026
4	S1520C40 91.71	S1520C40F 91.71	S1520C40FSR 134.83	2	0	026
6	S1520C60 189.55	S1520C60F 189.55	S1520C60FSR 240.64	1	0	026
8	S1520C80 316.63	---	---	1	0	026

True Union Utility Swing Check Valves

PVC White True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1720-05 18.02	S1720-05F 18.02	S1720-05FSR 20.64	35	0	026
3/4	S1720-07 18.57	S1720-07F 18.57	S1720-07FSR 22.36	30	0	026
1	S1720-10 19.35	S1720-10F 19.35	S1720-10FSR 24.60	18	0	026
1-1/4	S1720-12 20.37	S1720-12F 20.37	S1720-12FSR 28.76	12	0	026
1-1/2	S1720-15 22.39	S1720-15F 22.39	S1720-15FSR 36.77	10	0	026
2	S1720-20 33.64	S1720-20F 33.64	S1720-20FSR 49.15	10	0	026
2-1/2	S1720-25 56.09	S1720-25F 56.09	S1720-25FSR 80.22	2	0	026
3	S1720-30 71.61	S1720-30F 71.61	S1720-30FSR 113.27	2	0	026
4	S1720-40 96.66	S1720-40F 96.66	S1720-40FSR 139.38	1	0	026

PVC Clear True Union Swing Check (continued)

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
3/4	S1720C07 23.73	S1720C07F 23.73	S1720C07FSR 27.51	30	0	026
1	S1720C10 25.93	S1720C10F 25.93	S1720C10FSR 31.16	18	0	026
1-1/4	S1720C12 27.31	S1720C12F 27.31	S1720C12FSR 35.69	12	0	026
1-1/2	S1720C15 29.29	S1720C15F 29.29	S1720C15FSR 43.66	10	0	026
2	S1720C20 41.20	S1720C20F 41.20	S1720C20FSR 56.79	10	0	026
2-1/2	S1720C25 67.66	S1720C25F 67.66	S1720C25FSR 91.81	2	0	026
3	S1720C30 77.87	S1720C30F 77.87	S1720C30FSR 119.51	2	0	026
4	S1720C40 103.83	S1720C40F 103.83	S1720C40FSR 146.91	1	0	026

PVC Clear True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1720C05 23.34	S1720C05F 23.34	S1720C05FSR 25.96	35	0	026

Schedule 40 Fittings & Accessories
Compression Utility Swing Check Valves & Utility Spring Check Valves



Compression Utility Swing Check Valves

PVC White Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Compression End					
S1500-05	1/2	20	0	026	21.06
S1500-07	3/4	35	0	026	22.16
S1500-10	1	20	0	026	23.09
S1500-12	1-1/4	12	0	026	27.12
S1500-15	1-1/2	12	0	026	30.26
S1500-20	2	10	0	026	47.73
S1500-25	2-1/2	5	0	026	79.71
S1500-30	3	4	0	026	103.48
S1500-40	4	2	0	026	158.97

PVC Clear Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Compression End					
S1500C05	1/2	35	0	026	23.16
S1500C07	3/4	20	0	026	24.93
S1500C10	1	20	0	026	25.44
S1500C12	1-1/4	12	0	026	28.56
S1500C15	1-1/2	12	0	026	32.19
S1500C20	2	10	0	026	48.05
S1500C25	2-1/2	5	0	026	80.60

PVC Clear Compression End Swing Check (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Compression End					
S1500C30	3	4	0	026	117.72
S1500C40	4	2	0	026	162.20

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-005	1/2	1	50	299	11.33
CCW-007	3/4	1	50	299	11.53
CCW-010	1	1	50	299	12.02
CCW-012	1-1/4	1	50	299	13.60
CCW-015	1-1/2	1	50	299	14.67
CCW-020*	2	1	50	299	16.39
CCW-030**	3	1	25	299	20.16

* CCW-20 - Wrench also fits 2-1/2" Coupling Body

**CCW-30 - Wrench also fits 4" Coupling Body

Compression Coupling Nut Wrench Sets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-000	Set	1	50	299	94.70
Complete Set of Wrenches, Sizes 1/2" - 3"					

Utility Spring Check Valves

PVC White Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1580-05 31.20	S1580-05F 31.20	S1580-05FSR 33.84	20	0	026
3/4	S1580-07 35.31	S1580-07F 35.31	S1580-07FSR 39.07	20	0	026
1	S1580-10 36.78	S1580-10F 36.78	S1580-10FSR 42.01	20	0	026
1-1/4	S1580-12 38.30	S1580-12F 38.30	S1580-12FSR 46.71	12	0	026
1-1/2	S1580-15 40.77	S1580-15F 40.77	S1580-15FSR 55.12	12	0	026
2	S1580-20 42.74	S1580-20F 42.74	S1580-20FSR 58.32	15	0	026
2-1/2	S1580-25 75.86	S1580-25F 75.86	S1580-25FSR 100.02	4	0	026
3	S1580-30 79.12	S1580-30F 79.12	S1580-30FSR 120.76	4	0	026
4	S1580-40 112.28	S1580-40F 112.28	S1580-40FSR 155.43	2	0	026

PVC Clear Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1580C05 32.15	S1580C05F 32.15	S1580C05FSR 34.82	20	0	026
3/4	S1580C07 36.39	S1580C07F 36.39	S1580C07FSR 40.19	20	0	026
1	S1580C10 37.94	S1580C10F 37.94	S1580C10FSR 43.16	20	0	026
1-1/4	S1580C12 39.50	S1580C12F 39.50	S1580C12FSR 47.89	12	0	026
1-1/2	S1580C15 41.85	S1580C15F 41.85	S1580C15FSR 56.23	12	0	026
2	S1580C20 43.43	S1580C20F 43.43	S1580C20FSR 59.00	15	0	026
2-1/2	S1580C25 78.21	S1580C25F 78.21	S1580C25FSR 102.33	5	0	026
3	S1580C30 81.44	S1580C30F 81.44	S1580C30FSR 162.04	4	0	026
4	S1580C40 115.71	S1580C40F 115.71	S1580C40FSR 158.85	2	0	026



Schedule 40 Fittings & Accessories True Union Utility Spring Check Valves & PVC In-line Adjustable Spring Check Valves

True Union Utility Spring Check Valves

PVC White True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1780-05 41.49	S1780-05F 41.49	S1780-05FSR 44.12	20	0	026
3/4	S1780-07 47.06	S1780-07F 47.06	S1780-07FSR 50.84	30	0	026
1	S1780-10 49.05	S1780-10F 49.05	S1780-10FSR 54.26	18	0	026
1-1/4	S1780-12 51.09	S1780-12F 51.09	S1780-12FSR 59.44	12	0	026
1-1/2	S1780-15 54.43	S1780-15F 54.43	S1780-15FSR 68.82	10	0	026
2	S1780-20 56.67	S1780-20F 56.67	S1780-20FSR 72.23	10	0	026
2-1/2	S1780-25 101.14	S1780-25F 101.14	S1780-25FSR 125.24	2	0	026
3	S1780-30 105.51	S1780-30F 105.51	S1780-30FSR 147.15	2	0	026
4	S1780-40 149.71	S1780-40F 149.71	S1780-40FSR 192.89	1	0	026

PVC Clear True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1780C05 42.80	S1780C05F 42.80	S1780C05FSR 45.43	20	0	026
3/4	S1780C07 48.54	S1780C07F 48.54	S1780C07FSR 52.32	30	0	026
1	S1780C10 50.56	S1780C10F 50.56	S1780C10FSR 55.82	18	0	026
1-1/4	S1780C12 52.64	S1780C12F 52.64	S1780C12FSR 61.00	12	0	026
1-1/2	S1780C15 55.82	S1780C15F 55.82	S1780C15FSR 70.50	10	0	026
2	S1780C20 57.45	S1780C20F 57.45	S1780C20FSR 73.94	10	0	026
2-1/2	S1780C25 104.27	S1780C25F 104.27	S1780C25FSR 128.43	2	0	026
3	S1780C30 108.76	S1780C30F 108.76	S1780C30FSR 150.39	2	0	026
4	S1780C40 154.36	S1780C40F 154.36	S1780C40FSR 197.53	1	0	026

PVC In-line Adjustable Spring Check Valves



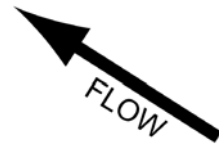
Mipt x Mipt



Mipt x Fipt



Fipt x Fipt



Pressure Rating @ 73°F (23°C), Water
200 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply

2 - 14 lbs. Adjustable Spring Tension
(5 to 32 feet of head)
Factory Preset to Approx. 5 psi
(12 feet of head)
Each full turn of adjustment nut = 1 psi
(2.3 feet of head)
Stainless Steel Adjustment Hardware
EPDM Seat

Standard Unit - Female Inlet x Male Outlet

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S1102-05	1/2	30	180	026	10.40
S1102-07	3/4	25	150	026	10.64
S1102-10	1	25	150	026	17.66
S1102-05-07	1/2X3/4	25	150	026	15.18

Male Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Mipt x Fipt (Inlet x Outlet)

S1101-05	1/2	30	180	026	10.40
----------	-----	----	-----	-----	-------

Female Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Fipt x Fipt (Inlet x Outlet)

S1100-07	3/4	25	150	026	10.99
----------	-----	----	-----	-----	-------

Turf & Irrigation

EverTUFF® TURF™ Fittings For Golf Course & Turf Applications



Spears® EverTUFF® TURF™ Fittings are specifically engineered to meet the demanding system requirements of today's golf course and turf irrigation applications. This patented design provides greater surge resistance than Schedule 80 fittings for the most reliable turf fittings on the market. Produced in a distinct Blue color injection molded from specially balanced PVC materials or optional CPVC Gray, these performance fittings are Class 315 rated (315 psi) and available in IPS sizes 1" through 4".

- Over 50% Stronger than Any Other Solvent Weld Turf Fitting
- Full Class 315 Pressure Rating
- Patented Special Reinforced (SR) Threads on All Female Threaded Fittings
- Produced in Standard Configurations
- Optional CPVC for Higher Temperatures
- NSF® Certified

Selection Guide for Choosing PVC or High Temperature CPVC Materials

Heat can play a significant part in performance of any piping system. As with all thermoplastic products, pressure rating reduction is required as temperatures increase. This can apply to primary and secondary heat sources, such as basic ambient temperature and absorbed temperature from solar exposure or solar heated water supply sources. The following table shows applicable Class 315 (315 psi) pressure de-rating as temperatures elevate.

PVC & CPVC Class 315 Pressure Ratings at Elevated Temperatures, PSI												
Application Temperature	73° F (23° C)	90° F (32° C)	100° F (38° C)	110° F (43° C)	120° F (49° C)	130° F (54° C)	140° F (60° C)	150° F (66° C)	160° F (71° C)	170° F (77° C)	180° F (82° C)	200° F (99° C)
PVC	315	236	195	161	126	98	69	--	--	--	--	--
CPVC	315	287	258	227	205	180	158	132	126	91	79	62

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Tee Soc



Class 315

401-010T	1	50	0	031	2.45
401-012T	1-1/4	25	0	031	3.83
401-015T	1-1/2	25	0	031	4.65
401-020T	2	25	0	031	6.77
401-025T	2-1/2	10	0	031	22.34
401-030T	3	10	0	031	29.35
401-040T	4	8	0	031	53.10

PVC Reducing Tee Soc



Class 315

401-168T	1-1/4X1	25	0	031	4.20
401-212T	1-1/2X1-1/4	25	0	031	7.37
401-251T	2X1-1/2	10	0	031	9.35
401-292T	2-1/2X2	10	0	031	22.28
401-338T	3X2	6	0	031	31.87
401-422T	4X3	6	0	031	53.10

PVC 90° Elbow Soc



Class 315

406-010T	1	50	0	031	1.85
406-012T	1-1/4	25	0	031	3.26
406-015T	1-1/2	25	0	031	3.51
406-020T	2	25	0	031	5.49
406-025T	2-1/2	10	0	031	16.71
406-030T	3	10	0	031	20.00
406-040T	4	8	0	031	35.77

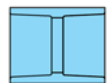
PVC 45° Elbow Soc



Class 315

417-010T	1	50	0	031	2.83
417-012T	1-1/4	25	0	031	3.93
417-015T	1-1/2	25	0	031	4.94
417-020T	2	25	0	031	6.41
417-025T	2-1/2	10	0	031	16.74
417-030T	3	10	0	031	25.98
417-040T	4	5	0	031	46.59

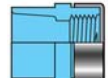
PVC Couplings Soc



Class 315

429-010T	1	50	0	031	1.45
429-012T	1-1/4	25	0	031	2.01
429-015T	1-1/2	25	0	031	2.14
429-020T	2	25	0	031	3.27
429-025T	2-1/2	12	0	031	7.24
429-030T	3	10	0	031	11.35
429-040T	4	5	0	031	16.40

PVC Special Reinforced Female Adapter Soc x SR Fipt - Stainless Steel Collar



Class 315

435-010SRT	1	25	200	031	9.57
435-012SRT	1-1/4	10	60	031	15.48
435-015SRT	1-1/2	10	80	031	19.05
435-020SRT	2	10	0	031	33.22
435-025SRT	2-1/2	5	0	031	52.42
435-030SRT	3	10	0	031	59.07
435-040SRT	4	5	0	031	101.52



Turf & Irrigation EverTUFF® TURF™ Fittings For Golf Course & Turf Applications

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Male Adapter Mipt x Soc



Class 315

436-010T	1	50	0	031	1.64
436-012T	1-1/4	25	0	031	2.01
436-015T	1-1/2	25	0	031	2.68
436-020T	2	25	0	031	3.53
436-025T	2-1/2	10	0	031	10.39
436-030T	3	10	0	031	15.21
436-040T	4	5	0	031	19.39

PVC Reducer Bushing Flush Style Spig x Soc



Class 315

437-250T	2X1-1/4	10	120	031	4.10
437-251T	2X1-1/2	25	0	031	4.10
437-292T	2-1/2X2	15	0	031	6.59
437-338T	3X2	10	0	031	9.69
437-422T	4X3	6	0	031	20.40

CPVC Tee Soc



Class 315

401-010TC	1	50	0	032	4.88
401-012TC	1-1/4	25	0	032	7.66
401-015TC	1-1/2	25	0	032	9.29
401-020TC	2	25	0	032	13.53
401-025TC	2-1/2	10	0	032	44.68
401-030TC	3	10	0	032	58.69
401-040TC	4	8	0	032	106.18

CPVC Reducing Tee Soc



Class 315

401-168TC	1-1/4X1	25	0	032	8.39
401-212TC	1-1/2X1-1/4	25	0	032	14.74
401-251TC	2X1-1/2	10	0	032	22.64
401-292TC	2-1/2X2	10	0	032	44.55
401-338TC	3X2	6	0	032	63.73
401-422TC	4X3	6	0	032	106.18

CPVC 90° Elbow Soc



Class 315

406-010TC	1	50	0	032	3.70
406-012TC	1-1/4	25	0	032	6.51
406-015TC	1-1/2	25	0	032	7.02
406-020TC	2	25	0	032	10.98
406-025TC	2-1/2	10	0	032	33.41
406-030TC	3	10	0	032	39.99
406-040TC	4	8	0	032	71.52

CPVC 45° Elbow Soc



Class 315

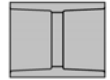
417-010TC	1	50	0	032	5.66
417-012TC	1-1/4	25	0	032	7.85
417-015TC	1-1/2	25	0	032	9.86
417-020TC	2	25	0	032	9.86

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC 45° Elbow (continued) Soc

417-025TC	2-1/2	10	0	032	33.48
417-030TC	3	10	0	032	51.96
417-040TC	4	5	0	032	93.16

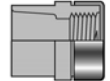
CPVC Couplings Soc



Class 315

429-010TC	1	50	0	032	2.90
429-012TC	1-1/4	25	0	032	4.02
429-015TC	1-1/2	25	0	032	4.28
429-020TC	2	25	0	032	6.54
429-025TC	2-1/2	12	0	032	14.49
429-030TC	3	10	0	032	22.69
429-040TC	4	5	0	032	32.81

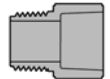
CPVC Special Reinforced Female Adapter Soc x SR Fipt - Stainless Steel Collar



Class 315

435-010SRTC	1	25	200	032	19.15
435-012SRTC	1-1/4	10	60	032	30.96
435-015SRTC	1-1/2	10	80	032	38.11
435-020SRTC	2	10	0	032	66.45
435-025SRTC	2-1/2	5	0	032	104.84
435-030SRTC	3	10	0	032	118.15
435-040SRTC	4	5	0	032	203.04

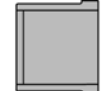
CPVC Male Adapter Mipt x Soc



Class 315

436-010TC	1	50	0	032	3.29
436-012TC	1-1/4	25	0	032	4.02
436-015TC	1-1/2	25	0	032	5.36
436-020TC	2	25	0	032	7.05
436-025TC	2-1/2	10	0	032	20.78
436-030TC	3	5	0	032	30.41
436-040TC	4	5	0	032	38.78

CPVC Reducer Bushing Flush Style Spig x Soc



Class 315

437-250TC	2X1-1/4	10	200	032	8.20
437-251TC	2X1-1/2	25	0	032	8.20
437-292TC	2-1/2X2	15	0	032	13.18
437-338TC	3X2	10	0	032	19.37
437-422TC	4X3	6	0	032	40.80

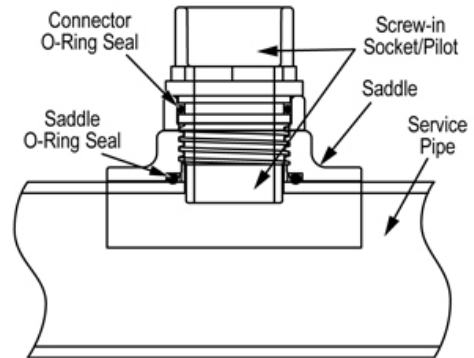
Turf & Irrigation EverTUFF® TURF™ Mechanical Clamp-on Transition Saddles



Designed for Polypropylene-to-PVC pipe transition, but fully suitable for any IPS pipe (metal or plastic) transition to PVC. Excellent for irrigation extensions and lateral take-offs. Pilot on lateral connector prevents saddle movement on pipe. Easy Installation - Clamp saddle to pipe, drill hole, install screw-in pilot/socket lateral connector. Injection molded in distinct blue color.



- Socket Outlet
- 315 psi Pressure Rating @ 73° F
- SS316 Mechanical Clamp
- EPDM O-ring Seals
- Interchangeable 1-1/2" & 2" Lateral Connector Sizes
- Stainless Steel Reinforcing Rings for Extra Strength



Note: Mechanical Clamp Not Shown

Mechanical Clamp-on Transition Saddles

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Pipe O.D. x Socket

For Polypropylene (or any IPS pipe, metal or plastic) - To - PVC Transitions

865-419	4X1-1/2	1	0	086	319.08
865-420	4X2	1	0	086	326.77
865-527	6X1-1/2	1	0	086	448.75
865-528	6X2	1	0	086	532.92
865-577	8X1-1/2	1	0	086	604.27
865-578	8X2	1	0	086	687.33



Turf & Irrigation EverTUFF® TURF™ Swing Joint Riser Assemblies

Many Configurations may be created and furnished by using the following Swing Joint Riser Numbering System.

X X | X X - X X X | X X

Code	Swing Arm Riser Style
58	Male Buttress Threaded Riser Style
59	Cut & Solvent Cemented Riser Style

Code	Inlet x Outlet Style Combination
01	Soc x Soc
02	Spig x Soc
03	Mipt x Soc
04	Tee x Soc
05	Soc x Mipt
06	Spig x Mipt
07	Mipt x Mipt
08	Tee x Mipt
09	Soc x Mat
10	Spig x Mat
11	Mipt x Mat
12	Tee x Mat
13	Soc x Fipt
14	Spig x Fipt
15	Mipt x Fipt
16	Tee x Fipt
17	Soc x SR Fipt
18	Spig x SR Fipt
19	Mipt x SR Fipt
20	Tee x SR Fipt
21†	Gmpt 2-1/2" Npl x Mat
22	Mat x Mat
23	Mat x Mpt
24	Mat x Fipt
25	Mat x SR Fipt
26	Spig x Fbt
27	Spig x Fat
28	Extended Spig x Fipt
29	Extended Spig x Mipt
30	Open
31†	Mipt x Gmpt 2-1/2" Npl
32†	Gmpt 2-1/2" Npl x Fipt
33†	Gmpt 2-1/2" Npl x Soc
34†	Gmpt 2-1/2" Npl x SR Fipt
35†	Soc x Gmpt 2-1/2" Npl
36†	Spig x Gmpt 2-1/2" Npl
37†	Gmpt x Gmpt 2-1/2" Npl
38†	Tee x Gmpt 2-1/2" Npl
39†	Gmpt 2-1/2" Npl x Mipt
40†	Open
41†	Mipt x Gmpt 3" Npl
42†	Gmpt 3" Npl x Fipt
43†	Gmpt 3" Npl x Soc
44†	Gmpt 3" Npl x SR Fipt
45†	Soc x Gmpt 3" Npl
46†	Spig x Gmpt 3" Npl
47†	Gmpt x Gmpt 3" Npl
48†	Tee x Gmpt 3" Npl
49†	Gmpt 3" Npl x Mipt
50†	Gmpt 3" Npl x Mat

Code	Inlet x Outlet Style Combination
51‡	Soc x Soc Multi-Ell
52‡	Spig x Soc Multi-Ell
53‡	Mipt x Soc Multi-Ell
54‡	Tee x Soc Multi-Ell
55‡	Soc x Mipt Multi-Ell
56‡	Spig x Mipt Multi-Ell
57‡	Mipt x Mipt Multi-Ell
58‡	Tee x Mipt Multi-Ell
59‡	Soc x Mat Multi-Ell
60‡	Spig x Mat Multi-Ell
61‡	Mipt x Mat Multi-Ell
62‡	Tee x Mat Multi-Ell
63‡	Soc x Fipt Multi-Ell
64‡	Spig x Fipt Multi-Ell
65‡	Mipt x Fipt Multi-Ell
66‡	Tee x Fipt Multi-Ell
67‡	Soc x SR Fipt Multi-Ell
68‡	Spig x SR Fipt Multi-Ell
69‡	Mipt x SR Fipt Multi-Ell
70‡	Tee x SR Fipt Multi-Ell
71†‡	Soc x Gmpt 2-1/2" Npl Multi-Ell
72†‡	Spig x Gmpt 2-1/2" Npl Multi-Ell
73†‡	Mipt x Gmpt 2-1/2" Npl Multi-Ell
74†‡	Tee x Gmpt 2-1/2" Npl Multi-Ell
75†‡	Soc x Gmpt 3" Npl Multi-Ell
76†‡	Spig x Gmpt 3" Npl Multi-Ell
77†‡	Mipt x Gmpt 3" Npl Multi-Ell
78†‡	Tee x Gmpt 3" Npl Multi-Ell
79†‡	Gmpt 3" Npl x Mipt Multi-Ell
80†‡	Gmpt 3" Npl x Soc Multi-Ell
81†‡	Gmpt 3" Npl x Gmpt 3" Npl Multi-Ell
82‡	Mat x Mat Multi-Ell
83	Mipt x Mat Top Mount
84	Open
85	Open
86	Open
87	Open
88	Bsp x Bsp Multi-Ell
89	Bsp x Bsp Top Mount
90	Bsp x Mat
91	Bsp x Mipt
92	Mipt x Bsp
93	Bsp x Bsp
94	Astm Soc x Bsp
95	Astm Spig x Bsp
96	Din Spig x Bsp
97	Din Spig x Mipt
98	Jis Spig x Jis Mipt
99	Jis Spig x Mipt

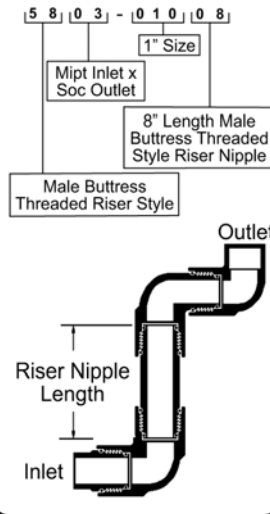
Code	Size
010	1"
132	1" x 1-1/4"
133	1" x 1-1/2"
012	1-1/4"
015	1-1/2"
168	1-1/4" x 1"
169	1-1/4" x 1-1/2"
211	1-1/2" x 1"
212	1-1/2" x 1-1/4"
249	2" x 1" (Tee)
250	2" x 1-1/4" (Tee)
251	2" x 1-1/2" (Tee)

* Buttress Threaded Riser Lengths may be extended with the use of Riser Extension Couplings.

** Additional Nipple lengths are available. Please contact your servicing Spears® Regional Distribution Center.

Riser Nipple Length	
Code	Size
5800 Series* Male Buttress Threaded Style	
08	8"
10	10"
12	12"
14	14"
16	16"
18	18"
20	20"
24	24"
5900 Series** Cut & Solvent Cemented Style	
00	(No Nipple)
06	6"
07	7"
08	8"
10	10"
11	11"
12	12"
13	13"
14	14"
15	15"
16	16"
17	17"
18	18"
19	19"
20	20"
21	21"
22	22"
23	23"
24	24"

Sample Assembly



† Gmpt - A 2-1/2" Toe Nipple is solvent cemented in place. If a 3" Nipple is required, change the first digit from a "3" to a "4".

EXAMPLE:

38 = Tee x 2-1/2" Gmpt

48 = Tee x 3" Gmpt

‡ Multi-Ell - Two additional Elbows are located at the outlet of the Swing Joint Riser to allow 360° adjustment.



Most common configurations of Swing Joint Risers appear on the following pages. For those not shown, you may use the following worksheet to create various configurations. For assistance, please contact your servicing Spears® Regional Distribution Center.

Ordering Male Buttress Thread Riser Nipple Lengths Not Listed in Catalog

Swing Joint Risers on the following pages are shown with 8", 10", and 12" Nipple Lengths (LG). Additional standard Nipple lengths of 14", 16", 18", 20" and 24", plus virtually any custom lengths are available.

To order desired standard riser nipple length, replace the last two digits of the listed part number with the desired length in inches.

Example: 5805-010**16** = 16" Nipple Length
 5805-010**18** = 18" Nipple Length

Contact your servicing Spears® Regional Distribution Center for pricing on these additional standard lengths or for custom produced nipple lengths.

Sample

SWING ARM RISER STYLE CODE		INLET x OUTLET STYLE COMBINATION CODE		—	SIZE CODE			RISER NIPPLE LENGTH CODE	
5	8	0	3	—	0	1	0	1	6



**Male Buttress Threaded
Riser Style**



**MIPT Inlet x
SOC Outlet**



**1"
Size**



**16" Length Male
Buttress Threaded
Style Riser Nipple**

Worksheet

SWING ARM RISER STYLE CODE		INLET x OUTLET STYLE COMBINATION CODE		—	SIZE CODE			RISER NIPPLE LENGTH CODE	
				—					
				—					
				—					
				—					
				—					
				—					
				—					
				—					
				—					
				—					



Turf & Irrigation EverTUFF® TURF™ Swing Joint Riser Assemblies

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

SOC Inlet x MIPT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5805-01008	1X8LG	25	0	030	49.21
5805-01010	1X10LG	25	0	030	51.85
5805-01012	1X12LG	25	0	030	54.68
5805-01208	1-1/4X8LG	20	0	030	65.37
5805-01210	1-1/4X10LG	20	0	030	68.81
5805-01212	1-1/4X12LG	20	0	030	72.41
5805-16808	1-1/4X1X8LG	20	0	030	65.37
5805-16810	1-1/4X1X10LG	20	0	030	68.81
5805-16812	1-1/4X1X12LG	20	0	030	72.41
5805-16908	1-1/4X1-1/2X8LG	20	0	030	65.37
5805-16910	1-1/4X1-1/2X10LG	20	0	030	68.81
5805-16912	1-1/4X1-1/2X12LG	20	0	030	72.41
5805-01508	1-1/2X8LG	15	0	030	79.61
5805-01510	1-1/2X10LG	15	0	030	83.65
5805-01512	1-1/2X12LG	15	0	030	88.01

SOC Inlet x MAT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5809-01008	1X8LG	25	0	030	49.21
5809-01010	1X10LG	25	0	030	51.85
5809-01012	1X12LG	25	0	030	54.68
5809-01208	1-1/4X8LG	20	0	030	65.37
5809-01210	1-1/4X10LG	20	0	030	68.81
5809-01212	1-1/4X12LG	20	0	030	72.41
5809-01508	1-1/2X8LG	15	0	030	79.61
5809-01510	1-1/2X10LG	15	0	030	83.65
5809-01512	1-1/2X12LG	15	0	030	88.01

SPIG Inlet x MIPT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5806-01008	1X8LG	25	0	030	49.21
5806-01010	1X10LG	25	0	030	51.85
5806-01012	1X12LG	25	0	030	54.68
5806-01208	1-1/4X8LG	20	0	030	65.37
5806-01210	1-1/4X10LG	20	0	030	68.81
5806-01212	1-1/4X12LG	20	0	030	72.41
5806-16808	1-1/4X1X8LG	20	0	030	65.37
5806-16810	1-1/4X1X10LG	20	0	030	68.81
5806-16812	1-1/4X1X12LG	20	0	030	72.41
5806-16908	1-1/4X1-1/2X8LG	20	0	030	65.37
5806-16910	1-1/4X1-1/2X10LG	20	0	030	68.81
5806-16912	1-1/4X1-1/2X12LG	20	0	030	72.41
5806-01508	1-1/2X8LG	15	0	030	79.61
5806-01510	1-1/2X10LG	15	0	030	83.65
5806-01512	1-1/2X12LG	15	0	030	88.01

SPIG Inlet x MAT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5810-01008	1X8LG	25	0	030	49.21
5810-01010	1X10LG	25	0	030	51.85
5810-01012	1X12LG	25	0	030	54.68
5810-01208	1-1/4X8LG	20	0	030	65.37

Page 88

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Spears® Manufacturing Company

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

SPIG Inlet x MAT Outlet (continued)

5810-01210	1-1/4X10LG	20	0	030	68.81
5810-01212	1-1/4X12LG	20	0	030	72.41
5810-01508	1-1/2X8LG	15	0	030	79.61
5810-01510	1-1/2X10LG	15	0	030	83.65
5810-01512	1-1/2X12LG	15	0	030	88.01

MIPT Inlet x MIPT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5807-01008	1X8LG	25	0	030	49.21
5807-01010	1X10LG	25	0	030	51.85
5807-01012	1X12LG	25	0	030	54.68
5807-01208	1-1/4X8LG	20	0	030	65.37
5807-01210	1-1/4X10LG	20	0	030	68.81
5807-01212	1-1/4X12LG	20	0	030	72.41
5807-16808	1-1/4X1X8LG	20	0	030	65.37
5807-16810	1-1/4X1X10LG	20	0	030	68.81
5807-16812	1-1/4X1X12LG	20	0	030	72.41
5807-16908	1-1/4X1-1/2X8LG	20	0	030	65.37
5807-16910	1-1/4X1-1/2X10LG	20	0	030	68.81
5807-16912	1-1/4X1-1/2X12LG	20	0	030	72.41
5807-01508	1-1/2X8LG	15	0	030	79.61
5807-01510	1-1/2X10LG	15	0	030	83.65
5807-01512	1-1/2X12LG	15	0	030	88.01

MIPT Inlet x MAT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5811-01008	1X8LG	25	0	030	49.21
5811-01010	1X10LG	25	0	030	51.85
5811-01012	1X12LG	25	0	030	54.68
5811-01208	1-1/4X8LG	20	0	030	65.37
5811-01210	1-1/4X10LG	20	0	030	68.81
5811-01212	1-1/4X12LG	20	0	030	72.41
5811-01508	1-1/2X8LG	15	0	030	79.61
5811-01510	1-1/2X10LG	15	0	030	83.65
5811-01512	1-1/2X12LG	15	0	030	88.01

SOC TEE Inlet x MIPT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5808-24908	2X1 X8LG	15	0	030	70.24
5808-24910	2X1 X10LG	15	0	030	74.01
5808-24912	2X1 X12LG	15	0	030	77.95
5808-25008	2X1-1/4X8LG	15	0	030	85.77
5808-25010	2X1-1/4X10LG	15	0	030	90.29
5808-25012	2X1-1/4X12LG	10	0	030	95.03
5808-25108	2X1-1/2X8LG	10	0	030	113.41
5808-25110	2X1-1/2X10LG	10	0	030	119.54
5808-25112	2X1-1/2X12LG	10	0	030	126.03

SOC TEE Inlet x MAT Outlet

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5812-24908	2X1 X8LG	15	0	030	70.24
5812-24910	2X1 X10LG	15	0	030	74.01

Turf & Irrigation EverTUFF® TURF™ Swing Joint Riser Assemblies



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

SOC TEE Inlet x MAT Outlet (continued)

5812-24912	2X1 X12LG	15	0	030	77.95
5812-25008	2X1-1/4X8LG	20	0	030	85.77
5812-25010	2X1-1/4X10LG	15	0	030	90.29
5812-25012	2X1-1/4X12LG	15	0	030	95.03
5812-25108	2X1-1/2X8LG	10	0	030	113.41
5812-25110	2X1-1/2X10LG	10	0	030	119.54
5812-25112	2X1-1/2X12LG	10	0	030	126.03



SOC Inlet x MIPT Outlet Multi EII

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5855-01008	1X8LG	20	0	030	71.09
5855-01010	1X10LG	15	0	030	76.46
5855-01012	1X12LG	15	0	030	79.10
5855-01208	1-1/4X8LG	20	0	030	90.68
5855-01210	1-1/4X10LG	15	0	030	96.04
5855-01212	1-1/4X12LG	15	0	030	98.68
5855-01508	1-1/2X8LG	10	0	030	110.15
5855-01510	1-1/2X10LG	10	0	030	115.46
5855-01512	1-1/2X12LG	10	0	030	118.12



SPIG Inlet x MIPT Outlet Multi-EII

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5856-01008	1X8LG	20	0	030	71.09
5856-01010	1X10LG	15	0	030	76.46
5856-01012	1X12LG	15	0	030	79.10
5856-01208	1-1/4X8LG	20	0	030	90.68
5856-01210	1-1/4X10LG	15	0	030	96.04
5856-01212	1-1/4X12LG	15	0	030	98.68
5856-01508	1-1/2X8LG	10	0	030	110.15
5856-01510	1-1/2X10LG	10	0	030	115.46
5856-01512	1-1/2X12LG	10	0	030	118.12



MIPT Inlet x MIPT Outlet Multi-EII

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

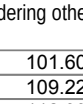
5857-01008	1X8LG	20	0	030	71.09
5857-01010	1X10LG	15	0	030	76.46
5857-01012	1X12LG	15	0	030	79.10
5857-01208	1-1/4X8LG	20	0	030	90.68
5857-01210	1-1/4X10LG	15	0	030	96.04
5857-01212	1-1/4X12LG	15	0	030	98.68
5857-01508	1-1/2X8LG	10	0	030	110.15
5857-01510	1-1/2X10LG	10	0	030	115.46
5857-01512	1-1/2X12LG	10	0	030	118.12



TEE Inlet x MIPT Outlet Multi-EII

8"-10"-12" Nipple Length (LG) shown. See previous pages for ordering other lengths.

5858-24908	2X1 X8LG	15	0	030	101.60
5858-24910	2X1 X10LG	15	0	030	109.22
5858-24912	2X1 X12LG	10	0	030	112.99
5858-25008	2X1-1/4X8LG	10	0	030	129.55
5858-25010	2X1-1/4X10LG	10	0	030	137.18
5858-25012	2X1-1/4X12LG	10	0	030	140.99



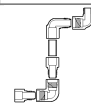
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

TEE Inlet x MIPT Outlet Multi-EII (continued)

5858-25108	2X1-1/2X8LG	10	0	030	157.34
5858-25110	2X1-1/2X10LG	10	0	030	164.90
5858-25112	2X1-1/2X12LG	10	0	030	168.74

Solvent Cemented Riser Nipple Style

SOC Inlet x MIPT Outlet



Assembly Without Nipple (part numbers ending in "00") & Optional Factory Assembled Unit With Customer Specified Nipple Length (see below)

5905-01000	1	1	10	030	40.28
5905-010 *	1	25	0	030	67.26
5905-010 **	1	25	0	030	76.46
5905-01200	1-1/4	1	10	030	53.29
5905-012 *	1-1/4	20	0	030	89.68
5905-012 **	1-1/4	20	0	030	101.96
5905-01500	1-1/2	1	8	030	66.29
5905-015 *	1-1/2	15	0	030	103.69
5905-015 **	1-1/2	15	0	030	117.83

Factory Assembled With Solvent Cemented Riser

Specify desired nipple length by filling in blank at end of Part Number with appropriate two-digit code (06 - 24) representing 1" increments.

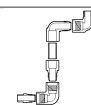
* = Pricing for assembly with 6" to 18" length cemented Riser Nipple

** = Pricing for assembly with 19" to 24" length cemented Riser Nipple

Note: Cement Assembled Risers are Non-cancelable and Non-Returnable

Solvent Cemented Riser Nipple Style

SPIG Inlet x MIPT Outlet



Assembly Without Nipple (part numbers ending in "00") & Optional Factory Assembled Unit With Customer Specified Nipple Length (see below)

5906-01000	1	1	10	030	40.28
5906-010 *	1	25	0	030	67.26
5906-010 **	1	25	0	030	76.46
5906-01200	1-1/4	1	10	030	53.29
5906-012 *	1-1/4	20	0	030	89.68
5906-012 **	1-1/4	20	0	030	101.96
5906-01500	1-1/2	1	8	030	66.29
5906-015 *	1-1/2	15	0	030	103.69
5906-015 **	1-1/2	15	0	030	117.83

Factory Assembled With Solvent Cemented Riser

Specify desired nipple length by filling in blank at end of Part Number with appropriate two-digit code (06 - 24) representing 1" increments.

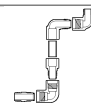
* = Pricing for assembly with 6" to 18" length cemented Riser Nipple

** = Pricing for assembly with 19" to 24" length cemented Riser Nipple

Note: Cement Assembled Risers are Non-cancelable and Non-Returnable

Solvent Cemented Riser Nipple Style

MIPT Inlet x MIPT Outlet



Assembly Without Nipple (part numbers ending in "00") & Optional Factory Assembled Unit With Customer Specified Nipple Length (see below)

5907-01000	1	1	10	030	40.28
5907-010 *	1	25	0	030	67.26
5907-010 **	1	25	0	030	76.46
5907-01200	1-1/4	1	10	030	53.29
5907-012 **	1-1/4	10	0	030	101.96
5907-012 *	1-1/4	15	0	030	89.68
5907-01500	1-1/2	1	8	030	66.29



Turf & Irrigation EverTUFF® TURF™ Swing Joint Riser Assemblies

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Solvent Cemented Riser Nipple Style (continued)

MIPT Inlet x MIPT Outlet

5907-01500	1-1/2	1	8	030	66.29
5907-015 *	1-1/2	15	0	030	103.69
5907-015 **	1-1/2	0	0	030	117.83

Factory Assembled With Solvent Cemented Riser

Specify desired nipple length by filling in blank at end of Part Number with appropriate two-digit code (06 - 24) representing 1" increments.

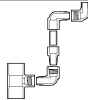
* = Pricing for assembly with 6" to 18" length cemented Riser Nipple

** = Pricing for assembly with 19" to 24" length cemented Riser Nipple

Note: Cement Assembled Risers are Non-cancelable and Non-Returnable

Solvent Cemented Riser Nipple Style

SOC TEE Inlet x MIPT Outlet



Assembly Without Nipple (part numbers ending in "00") & Optional Factory Assembled Unit With Customer Specified Nipple Length (see below)

5908-24900	2X1	1	8	030	47.39
5908-249 *	1	15	0	030	79.33
5908-249 **	1	15	0	030	90.13
5908-25000	2X1-1/4	5	0	030	60.16
5908-250 *	1-1/4	15	0	030	99.83
5908-250 **	1-1/4	15	0	030	107.17
5908-25100	2X1-1/2	1	6	030	67.26
5908-251 *	1/2	10	0	030	105.28
5908-251 **	1/2	10	0	030	119.66

Factory Assembled With Solvent Cemented Riser

Specify desired nipple length by filling in blank at end of Part Number with appropriate two-digit code (06 - 24) representing 1" increments.

* = Pricing for assembly with 6" to 18" length cemented Riser Nipple

** = Pricing for assembly with 19" to 24" length cemented Riser Nipple

Note: Cement Assembled Risers are Non-cancelable and Non-Returnable

Cap FAT



548-010-28A	1	50	0	030	1.88
548-012-28A	1-1/4	25	0	030	2.29
548-015-28A	1-1/2	25	0	030	2.45

Outlet Adapter

MAT x MIPT with O-rings



559-010-21AR	1	1	25	030	7.06
559-012-21AR	1-1/4	1	25	030	8.70
559-015-21AR	1-1/2	1	25	030	11.53

Outlet Adapter

MAT x SR FIPT with O-rings



559-010-22SRAR	1	1	25	030	9.35
559-012-22SRAR	1-1/4	1	250	030	17.38
559-015-22SRAR	1-1/2	1	80	030	26.16

Outlet Adapter

FAT x MAT with O-rings

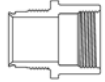


559-212-101AR	1-1/2X1-1/4	150	0	030	17.63
---------------	-------------	-----	---	-----	-------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Outlet Adapter

MAT x FAT with O-rings



559-212-85AR	1-1/2X1-1/4	1	80	030	18.89
--------------	-------------	---	----	-----	-------

Inlet Adapter

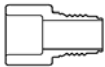
SPIG x MBT with O-rings



592-010-4AR	1	1	25	030	17.35
592-012-4AR	1-1/4	1	10	030	19.21
592-015-4AR	1-1/2	1	25	030	21.03

Inlet Adapter

SOC x MBT with O-rings



591-010-3AR	1	1	25	030	12.06
591-012-3AR	1-1/4	1	10	030	15.19
591-015-3AR	1-1/2	1	25	030	18.36

Inlet Adapter

JIS SPIG x MBT with O-rings



594-010-4AR	25	1	10	030	17.35
594-012-4AR	32	1	10	030	19.21
594-015-4AR	40	1	10	030	21.03

Inlet Adapter

DIN SPIG x MBT with O-rings



595-010-4AR	32	1	10	030	17.35
595-012-4AR	40	1	10	030	19.21
595-015-4AR	50	1	10	030	21.03

Inlet Adapters

MIPT x MBT with O-rings



596-010-4AR	1	1	25	030	14.73
596-012-4AR	1-1/4	1	10	030	17.20
596-015-4AR	1-1/2	1	25	030	19.62

Reducing Inlet Adapter

MIPT x MBT with O-rings



596-212-4AR	1-1/2X1-1/4	1	25	030	26.23
-------------	-------------	---	----	-----	-------

Inlet Adapter

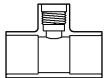
BSP x MBT with O-rings



597-010-4AR	1	1	25	030	14.73
597-012-4AR	1-1/4	1	10	030	17.20
597-015-4AR	1-1/2	1	25	030	19.62

Reducing Tee

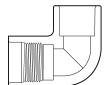
SOC x FBT



593-249-5A	2X1	30	0	030	30.78
593-250-5A	2X1-1/4	30	0	030	30.78
593-251-5A	2X1-1/2	25	0	030	30.78

90° Ell Outlet

FBT x SOC



591-010-2A	1	115	0	030	19.10
591-012-2A	1-1/4	80	0	030	22.16

Turf & Irrigation
EverTUFF® TURF™ Swing Joint Riser Assemblies



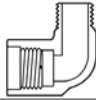
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° Street EII Outlet
FBT x MIPT



591-010-4A	1	140	0	030	16.31
591-012-4A	1-1/4	1	90	030	19.35
591-015-4A	1-1/2	1	60	030	22.37
591-168-4A	1-1/4X1	110	0	030	37.84

90° Street EII Outlet
FBT x BSP



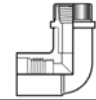
591-010-5A	1	140	0	030	19.10
591-012-5A	1-1/4	1	100	030	19.35
591-015-5A	1-1/2	60	0	030	25.17

90° Street EII Outlet
FBT x MAT with O-rings



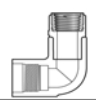
591-010-7AR	1	1	25	030	21.30
591-012-7AR	1-1/4	1	25	030	24.81
591-015-7AR	1-1/2	1	25	030	28.30
591-132-7AR	1X1-1/4	1	25	030	24.81
591-133-7AR	1X1-1/2	1	25	030	22.28
591-168-7AR	1-1/4X1	1	10	030	24.53
591-211-7AR	1-1/2X1	1	25	030	28.06
591-212-7AR	1-1/2X1-1/4	1	25	030	27.46

Special Reinforced 90° EII Outlet
FBT x SR FIPT



591-010-8SRA	1	15	0	030	27.12
591-012-8SRA	1-1/4	15	0	030	30.98
591-015-8SRA	1-1/2	15	0	030	33.26

Brass Thread 90° EII Outlet
FBT x FIPT with Brass Thread Insert



591-010-8BRA	1	15	0	030	33.73
591-012-8BRA	1-1/4	10	0	030	74.70
591-015-8BRA	1-1/2	10	0	030	107.99

Not intended to convey or dispense water for human consumption through drinking or cooking

90° Street EII Outlet
MBT x FBT with O-rings



591-010-1AR	1	1	25	030	21.30
591-012-1AR	1-1/4	1	10	030	24.81
591-015-1AR	1-1/2	1	25	030	28.30

Riser Nipple
MBT (8" Length) with O-rings



59-010-08R	1X8	1	25	030	15.70
59-012-08R	1-1/4X8	1	10	030	20.46
59-015-08R	1-1/2X8	1	25	030	25.20

Riser Nipple
MBT (10" Length) with O-rings



59-010-10R	1X10	1	25	030	16.83
59-012-10R	1-1/4X10	1	10	030	21.73
59-015-10R	1-1/2X10	1	25	030	26.64

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Riser Nipple
MBT (12" Length) with O-rings



59-010-12R	1X12	1	25	030	19.09
59-012-12R	1-1/4X12	1	10	030	23.53
59-015-12R	1-1/2X12	1	25	030	28.04

Riser Nipple
MBT (14" Length) with O-rings



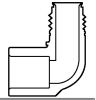
59-010-14R	1	1	25	030	13.62
59-012-14R	1-1/4	1	15	030	16.60
59-015-14R	1-1/2	1	15	030	18.68

Riser Nipple
MBT (16" Length) with O-rings



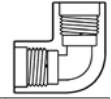
59-010-16R	1	1	45	030	14.83
59-012-16R	1-1/4	1	25	030	18.52
59-015-16R	1-1/2	1	20	030	20.97

90° Street EII Outlet
SOC x MBT with O-rings



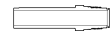
593-010-1AR	1	1	25	030	21.30
593-012-1AR	1-1/4	1	10	030	24.81
593-015-1AR	1-1/2	1	25	030	28.30

90° EII Outlet
FBT x FBT



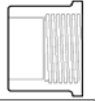
591-010-6A	1	95	0	030	17.35
591-012-6A	1-1/4	1	65	030	19.35
591-015-6A	1-1/2	50	0	030	25.38

Long Spigot Inlet
SPIG x MBT with O-ring (4" in length)



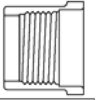
598-010-4AR	1	1	25	030	17.35
598-012-4AR	1-1/4	1	25	030	19.22
598-015-4AR	1-1/2	1	25	030	21.03

Reducer Bushing
SPIGOT x FAT (Female Acme Thread)



598-168-27	1-1/4X1	20	120	030	4.03
598-212-27	1-1/2X1-1/4	15	90	030	4.91
598-251-27	2X1-1/2	10	60	030	5.38

Reducer Bushing
SPIGOT x FBT (Female Butress Thread)



598-168-26	1-1/4X1	20	120	030	3.95
598-212-26	1-1/2X1-1/4	10	60	030	4.43
598-251-26	2X1-1/2	10	60	030	5.20

Riser Extension Coupling



May be used with 5800 Series Butress Threaded Nipples to Extend Height of Riser

58-010-1	1	140	0	030	14.44
58-012-1	1-1/4	100	0	030	15.18
58-015-1	1-1/2	80	0	030	17.02



Turf & Irrigation EverTUFF® TURF™ Swing Joint Riser Assemblies

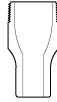
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Special Reinforced R MIPT x SPIG Adapter



May be used with SOC Inlet or Outlet to convert to MIPT Inlet or Outlet

590-168R	1-1/4X1	50	0	030	72.84
----------	---------	----	---	-----	-------



MIPT x SPIG Adapter

May be used with SOC Inlet or Outlet to convert to MIPT Inlet or Outlet

590-015	1-1/2	25	0	030	10.67
590-211	1-1/2X1	25	0	030	6.16
590-212	1-1/2X1-1/4	25	0	030	6.16



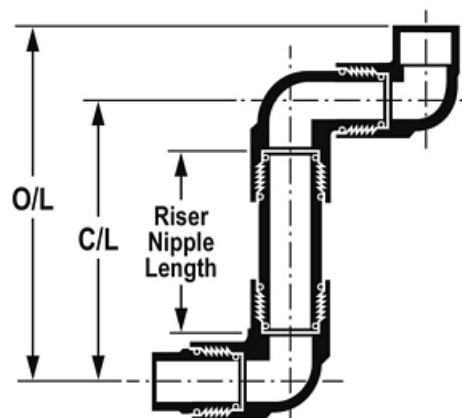
Wire Holder

Holds up to 4-wires, #12 or #14 gauge single feeder irrigation control cable.
Snaps onto Spears® Swing Joint Risers.

58WH-010	1	1500	0	030	2.12
58WH-012	1-1/4	450	0	030	2.31
58WH-015	1-1/2	400	0	030	2.62

Swing Joint Riser Dimensions

RISER NIPPLE LENGTH (IN.)	CENTER TO CENTER C/L			OVERALL LENGTH O/L		
	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"
5800 SERIES* — MALE BUTTRESS THREADED STYLE						
8	9-11/16	10-3/16	10-7/16	12-1/16	12-11/16	13-1/4
10	11-11/16	12-3/16	12-7/16	14-1/16	14-11/16	15-1/4
12	13-11/16	14-3/16	14-7/16	16-1/16	16-11/16	17-1/4
14	15-11/16	16-3/16	16-7/16	18-1/16	18-11/16	19-1/4
16	17-11/16	18-3/16	18-7/16	20-1/16	20-11/16	21-1/4
18	19-11/16	20-3/16	20-7/16	22-1/16	22-11/16	23-1/4
20	21-11/16	22-3/16	22-7/16	24-1/16	24-11/16	25-1/4
24	25-11/16	26-3/16	26-7/16	28-1/16	28-11/16	29-1/4
5900 SERIES** — CUT & SOLVENT CEMENTED STYLE						
6	9-11/16	10-3/16	10-7/16	12-1/16	12-11/16	12-1/4
7	10-11/16	11-3/16	11-7/16	13-1/16	13-11/16	14-1/4
8	11-11/16	12-3/16	12-7/16	14-1/16	14-11/16	15-1/4
9	12-11/16	13-3/16	13-7/16	15-1/16	15-11/16	16-1/4
10	13-11/16	14-3/16	14-7/16	16-1/16	16-11/16	17-1/4
11	14-11/16	15-3/16	15-7/16	17-1/16	17-11/16	18-1/4
12	15-11/16	16-3/16	16-7/16	18-1/16	18-11/16	19-1/4
13	16-11/16	17-3/16	17-7/16	19-1/16	19-11/16	20-1/4
14	17-11/16	18-3/16	18-7/16	20-1/16	20-11/16	21-1/4
15	18-11/16	19-3/16	19-7/16	21-1/16	21-11/16	22-1/4
16	19-11/16	20-3/16	20-7/16	22-1/16	22-11/16	23-1/4
17	20-11/16	21-3/16	21-7/16	23-1/16	23-11/16	24-1/4
18	21-11/16	22-3/16	22-7/16	24-1/16	24-11/16	25-1/4
19	22-11/16	23-3/16	23-7/16	25-1/16	25-11/16	26-1/4
20	23-11/16	24-3/16	24-7/16	26-1/16	26-11/16	27-1/4
21	24-11/16	25-3/16	25-7/16	27-1/16	27-11/16	28-1/4
22	25-11/16	26-3/16	26-7/16	28-1/16	28-11/16	29-1/4
23	26-11/16	27-3/16	27-7/16	29-1/16	29-11/16	30-1/4
24	27-11/16	28-3/16	28-7/16	30-1/16	30-11/16	31-1/4



BSP	=	British Standard Pipe
C/L	=	Centerline to Centerline
DIN	=	European Metric Standard
FAT	=	Female Acme Thread
FBT	=	Female Buttress Thread
FIPT	=	Female Iron Pipe Thread
GMPT	=	Glued Male Pipe Thread
JIS	=	Japanese Industrial Standard
MAT	=	Male Acme Thread
MBT	=	Male Buttress Thread
MIPT	=	Male Iron Pipe Thread
NPL	=	Nipple
O/L	=	Overall Length
SOC	=	IPS Solvent Weld Socket
SPIG	=	Spigot End
SR FIPT	=	Special Reinforced Female Iron Pipe Thread

* Buttress Threaded Riser Lengths may be extended with the use of Riser Extension Couplings.

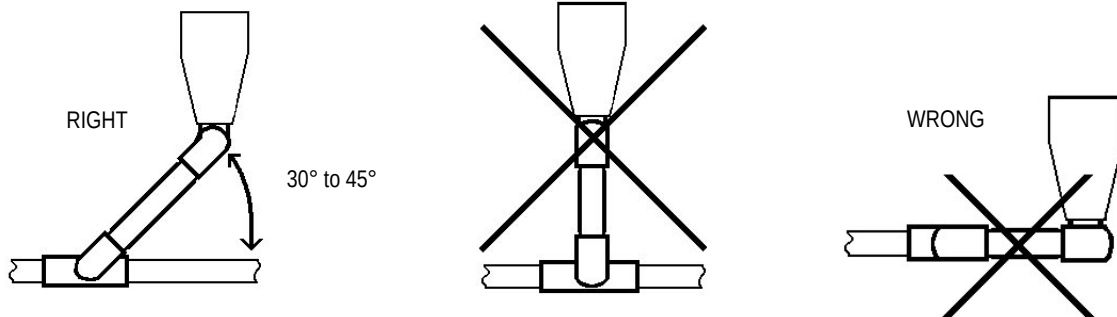
** Additional Nipple lengths are available. Please contact your servicing Spears® Regional Distribution Center.



Turf & Irrigation Turf Swivel Joints

Turf Swivel Joints, Compact Turf Swivel Joints and Turf Swivel Joint Kits are designed for open discharge systems and are not to be used with valve-in-head sprinklers or quick coupler valves. Can be used with bottom or side sprinklers. Provides 360° adjustment in three planes to place sprinklers at desired locations.

Turf Swivel Joint Assemblies should NOT be installed perpendicular or parallel to the supply line.



Turf Swivel Joint and Compact Turf Swivel Joints are pre-assembled from the factory with O-ring threaded joints. Turf Swivel Joint Kits are provided as two assemblies for use with user supplied pipe in solvent welded field assembly. These joints are pre-lubricated and should not be disassembled, as dirt, sand or other foreign objects could damage the O-ring or threads and cause leakage.

Prior to beginning installation, tighten each O-ring thread joint completely, and then back out the male part one full turn to allow the joint to swivel a full 360°.

Turf & Irrigation Turf Swivel Kits

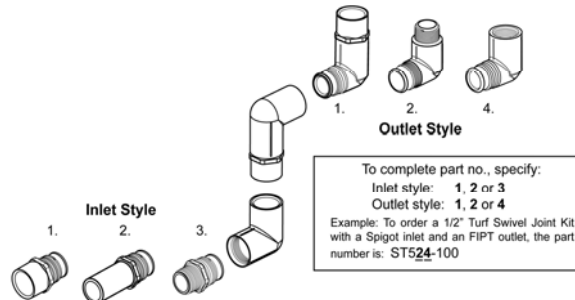


3-Elb Swivel Joint Kits

Complete kit for field assembly with any length of user supplied pipe. Kit includes upper and lower Elbow assemblies with choice of the following Inlet & Outlet Options:

Inlet Code:
1 = Socket
2 = Spigot
3 = Mipt

Outlet Code:
1 = Socket
2 = Mipt
4 = FiPT



Turf Swivel Joint Kit

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
ST5_-100	1/2	10	0	030	18.63
ST7_-100	3/4	10	0	030	21.03
ST9_-100	1	10	0	030	24.48

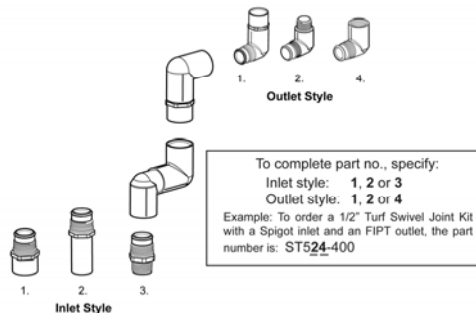
3-Elb Swivel Joint Kits

4-Elb Swivel Joint Kits

Complete kit for field assembly with any length of user supplied pipe. Kit includes upper and lower Elbow assemblies with choice of the following Inlet & Outlet Options:

Inlet Code:
1 = Socket
2 = Spigot
3 = Mipt

Outlet Code:
1 = Socket
2 = Mipt
4 = FiPT



4-Elb Swivel Joint Kits

ST5_-400	1/2	10	0	030	19.78
ST7_-400	3/4	10	0	030	22.21
ST9_-400	1	10	0	030	26.80



Turf & Irrigation Turf Swivel Joints

Complete Factory Assembly. Available in sizes 1/2", 3/4" and 1" with the following Lay Length Options:

8" = 8L
12" = 12L
15" = 15L
19" = 19L

Choice of the following Inlet & Outlet Options:

Inlet Code
1 = Socket
2 = Spigot
3 = Mipt

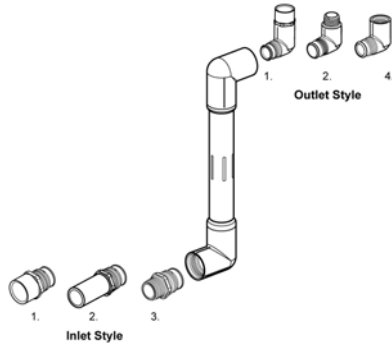
Outlet Code
1 = Socket
2 = Mipt
4 = Fipt

To complete part no., specify:

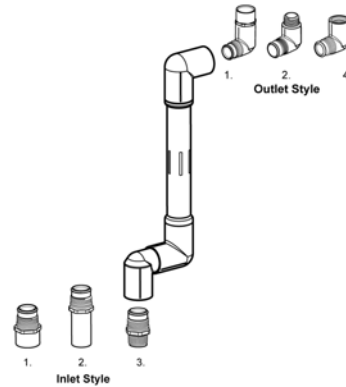
Inlet style: 1, 2, or 3
Outlet style: 1, 2, or 4

Example: To order a 1/2" 3-Elb Turf Swivel Joint with an 8" lay length, a Spigot inlet and an FIPT outlet, the part number is: ST5 24 -208

3-Elb Turf Swivel Joint



4-Elb Turf Swivel Joint



Turf Swivel Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

3-Elb Turf Swivel Joints

ST5 -208	1/2X8L	10	0	030	29.20
ST5 -212	1/2X12L	10	0	030	29.55
ST5 -215	1/2X15L	10	0	030	30.46
ST5 -219	1/2X19L	10	0	030	31.44
ST7 -208	3/4X8L	10	0	030	31.48
ST7 -212	3/4X12L	10	0	030	32.97
ST7 -215	3/4X15L	10	0	030	33.61
ST7 -219	3/4X19L	10	0	030	34.41
ST9 -208	1X8L	10	0	030	34.67
ST9 -212	1X12L	10	0	030	35.76
ST9 -215	1X15L	10	0	030	36.69
ST9 -219	1X19L	10	0	030	37.95
ST57 -208	1/2X3/4X8L	10	0	030	29.20
ST57 -212	1/2X3/4X12L	10	0	030	29.55
ST57 -215	1/2X3/4X15L	10	0	030	30.46
ST57 -219	1/2X3/4X19L	10	0	030	31.44
ST75 -208	3/4X1/2X8L	10	0	030	31.48
ST75 -212	3/4X1/2X12L	10	0	030	32.97
ST75 -215	3/4X1/2X15L	10	0	030	33.61
ST75 -219	3/4X1/2X19L	10	0	030	33.61

4-Elb Turf Swivel Joints

ST5 -408	1/2X8L	10	0	030	29.83
ST5 -412	1/2X12L	10	0	030	30.18
ST5 -415	1/2X15L	10	0	030	31.02
ST5 -419	1/2X19L	10	0	030	31.93
ST7 -408	3/4X8L	10	0	030	32.11
ST7 -412	3/4X12L	10	0	030	33.53
ST7 -415	3/4X15L	10	0	030	34.17
ST7 -419	3/4X19L	10	0	030	34.90
ST9 -408	1X8L	10	0	030	36.47
ST9 -412	1X12L	10	0	030	37.48
ST9 -415	1X15L	10	0	030	38.39
ST9 -419	1X19L	10	0	030	39.59
ST57 -408	1/2X3/4X8L	10	0	030	29.83
ST57 -412	1/2X3/4X12L	10	0	030	30.18
ST57 -415	1/2X3/4X15L	10	0	030	31.02
ST57 -419	1/2X3/4X19L	10	0	030	31.93
ST75 -408	3/4X1/2X8L	10	0	030	33.61
ST75 -412	3/4X1/2X12L	10	0	030	34.90

Turf Swivel Joints (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

4-Elb Turf Swivel Joints

ST75 -415	3/4X1/2X15L	10	0	030	34.90
ST75 -419	3/4X1/2X19L	10	0	030	34.90

Turf & Irrigation Compact Turf Swivel Joints



Factory Assembled
All Inlets are Swivel Male Threads

Three Outlet Choices:

Series ST11 & ST41 = Female Pipe Threads
Series ST12 & ST42 = Swivel Male Pipe Threads
Series ST13 & ST43 = Male Pipe Threads

Also available in 1" MBSP inlet x 1" MBSP outlet. Contact Spears® for pricing and availability.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

3-El Compact Swivel Joints

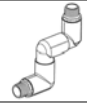
Swivel Mipt x Fipt



ST1105	1/2	10	0	030	18.63
ST1107	3/4	10	0	030	21.03
ST1110	1	10	0	030	24.49

3-El Compact Swivel Joints

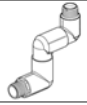
Swivel Mipt x Swivel Mipt



ST1205	1/2	10	0	030	18.63
ST1207	3/4	10	0	030	21.03
ST1210	1	10	0	030	24.49

3-El Compact Swivel Joints

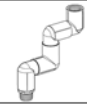
Swivel Mipt x Mipt



ST1305	1/2	10	0	030	18.63
ST1307	3/4	10	0	030	21.03
ST1310	1	10	0	030	24.49

4-El Compact Swivel Joints

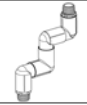
Swivel Mipt x Fipt



ST4105	1/2	10	0	030	19.78
ST4107	3/4	10	0	030	22.21
ST4110	1	10	0	030	26.80

4-El Compact Swivel Joints

Swivel Mipt x Swivel Mipt



ST4205	1/2	10	0	030	19.78
ST4207	3/4	10	0	030	22.21
ST4210	1	1	10	030	26.80

4-El Compact Swivel Joints

Swivel Mipt x Mipt



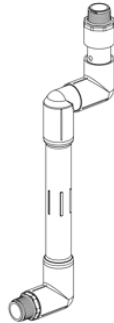
ST4305	1/2	10	0	030	19.78
ST4307	3/4	10	0	030	22.21
ST4310	1	10	0	030	26.80



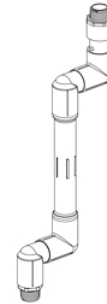
Turf & Irrigation Pressure Regulated Swivel Joints & Turf Swivel Joint Replacement Parts

Pressure Regulated Swivel Joints

3-El Pressure Regulated Swivel Joint



4-El Pressure Regulated Swivel Joint



Pressure Regulated Swivel Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

3-El - Mipt x Mipt

ST73PR-208	3/4X8L	10	0	030	58.31
ST73PR-212	3/4X12L	10	0	030	59.90
ST73PR-215	3/4X15L	10	0	030	60.59
ST73PR-219	3/4X19L	10	0	030	61.41
ST93PR-208	1X8L	10	0	030	63.04
ST93PR-212	1X12L	10	0	030	64.19
ST93PR-215	1X15L	10	0	030	65.19
ST93PR-219	1X19L	10	0	030	66.52

4-El - Mipt x Mipt

ST73PR-408	3/4X8L	10	0	030	61.54
ST73PR-412	3/4X12L	10	0	030	63.15
ST73PR-415	3/4X15L	10	0	030	63.82
ST73PR-419	3/4X19L	10	0	030	64.66
ST93PR-408	1X8L	10	0	030	68.21

Pressure Regulated Swivel Joints (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

4-El - Mipt x Mipt

ST93PR-412	1X12L	10	0	030	69.35
ST93PR-415	1X15L	10	0	030	70.35
ST93PR-419	1X19L	10	0	030	71.67

Complete Factory Assembly. Available in sizes 3/4" and 1" with Mipt Inlet x Mipt Outlet and the following Lay Length Options:

8"	=	8L
12"	=	12L
15"	=	15L
19"	=	19L

Maintains constant, uniform pressure to sprinkler at the following pre-set nominal values:
45 psi for 3/4" Turf Swivel Joint
70 psi for 1" Turf Swivel Joint

Not recommended for use in systems with pressures equal to or less than regulated pressures above.

Pressure Rating @ 73°F (23°C), Water 315 psi

Turf Swivel Joint Replacement Parts

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Coupling FAT x FAT



ST430-007	3/4	1	200	030	6.15
ST430-010	1	1	250	030	8.17

90° Elbow FAT x FAT



ST1101-005	1/2	1	300	030	3.55
ST1101-007	3/4	1	250	030	4.10
ST1101-101	3/4X1/2	1	270	030	3.74
ST1101-010	1	1	175	030	6.76

90° Elbow FAT x SOC



ST1102-005	1/2	1	350	030	3.55
ST1102-007	3/4	1	250	030	4.10
ST1102-010	1	1	160	030	6.76

90° Street El MAT x FAT



ST425-005	1/2	1	200	030	5.17
ST425-007	3/4	1	300	030	5.52
ST425-010	1	1	200	030	7.68

Socket Inlet #1 SOC x MAT



ST436-005	1/2	1	350	030	3.32
ST436-007	3/4	50	0	030	3.67
ST436-010	1	1	330	030	6.88

Spigot Inlet #2 SPG x MAT



ST105-035	1/2	1	350	030	3.53
ST107-035	3/4	1	50	030	3.95
ST110-040	1	1	140	030	7.20

Turf & Irrigation Turf Swivel Joint Replacement Parts



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Male Thread Outlet #2

MAT x Mipt



ST408-005	1/2	1	250	030	5.17
ST408-007	3/4	1	25	030	5.52
ST408-010	1	1	150	030	8.17

Female Thread Outlet #4

MAT x Fipt



ST412-005	1/2	1	250	030	5.17
ST412-007	3/4	1	300	030	5.52
ST412-010	1	1	200	030	7.68

Molded Nipples

MAT x MAT



ST207-065	3/4X6-1/2	1	200	030	7.31
ST207-105	3/4X10-1/2	1	115	030	16.84
ST210-065	1X6-1/2	1	120	030	9.40
ST210-105	1X10-1/2	1	25	030	22.27

O-ring Seal

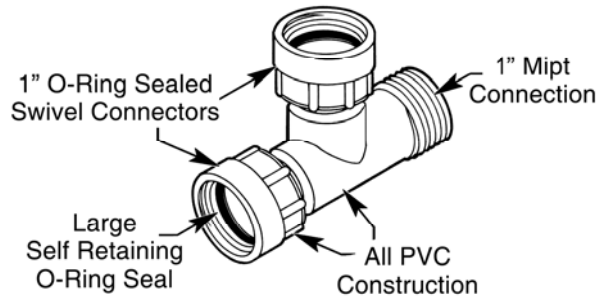


B-113	1/2	100	0	901	.07
B-115	3/4	100	0	901	.07
B-120	1	100	0	901	.17



Turf & Irrigation PVC Irrigation Manifold Systems

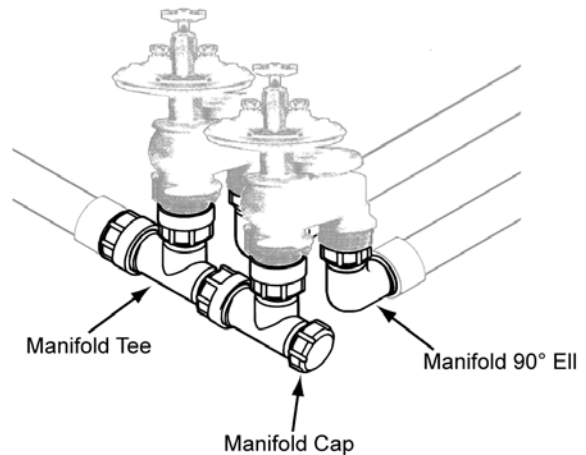
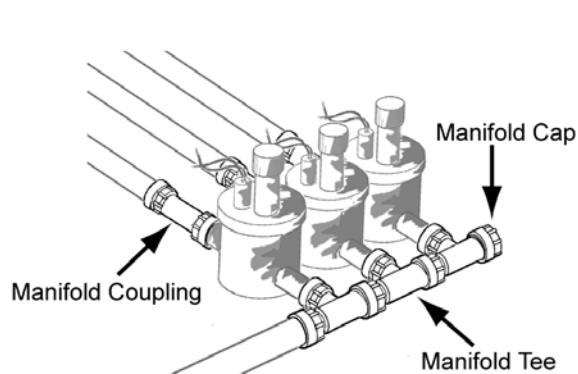
1" Manifold Tees & Companion Fitting Configurations Designed For Uniform Irrigation Control Valve Installations



Manifold Tee
(1" Swivel x 1" Mipt x 1" Swivel)

- O-ring Sealed Swivel Connections Require No Thread Sealants - Large Cross-section O-ring Allows Hand Tight Assembly for Positive Seal
- Compatible with all 1" IPS Pipe Thread Outlets
- Pressure Rated to 150 psi @ 73°F (23°C)

Typical Application Hundreds of Variation Possibilities



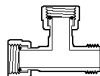
Turf & Irrigation High Strength 1" Manifold Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Manifold Tee

Swivel x Mipt x Swivel with O-ring Seal



MA0101-010	1	25	0	019	9.41
------------	---	----	---	-----	------

2 - Port Manifold Tee

Swivel x Mipt x Swivel Branch with O-ring Seal



MA0101-010-2	1	25	0	019	13.66
--------------	---	----	---	-----	-------

3 - Port Manifold Tee

Swivel x Mipt x Swivel Branch with O-ring Seal



MA0101-010-3	1	25	0	019	18.81
--------------	---	----	---	-----	-------

4 - Port Manifold Tee

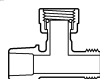
Swivel x Mipt x Swivel Branch with O-ring Seal



MA0101-010-4	1	25	0	019	24.00
--------------	---	----	---	-----	-------

Manifold Tee

Soc(Spig) x Mipt x Swivel with O-ring Seal



For Solvent Cement Connection

MA0109-010	1 (1-1/4)	25	0	019	8.37
------------	-----------	----	---	-----	------

Manifold 90° Street El

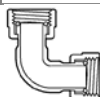
Mipt x Swivel with O-ring Seal



MA0602-010	1	25	0	019	8.04
------------	---	----	---	-----	------

Manifold 90° El

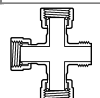
Swivel x Swivel with O-ring Seal



MA0603-010	1	20	0	019	8.87
------------	---	----	---	-----	------

Manifold Cross

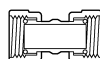
Swivel x Mipt x Swivel x Swivel with O-ring Seal



MA2004-010	1	25	0	019	12.49
------------	---	----	---	-----	-------

Manifold Swivel Coupling

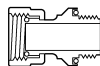
Swivel x Swivel with O-ring Seal



MA2903-010	1	25	200	019	6.66
------------	---	----	-----	-----	------

Manifold Nipple Coupling

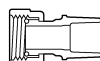
Swivel x Mipt with O-ring Seal



MA2907-010	n/a	25	200	019	4.86
------------	-----	----	-----	-----	------

Manifold Socket (Spig) Coupling

Swivel x Soc (Spig) with O-ring Seal

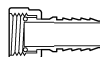


For Solvent Cement Connection

MA2908-010	1 (1-1/4)	25	0	019	4.86
------------	-----------	----	---	-----	------

Manifold Insert Coupling

Swivel x Barbed Insert with O-ring Seal



MA3505-007	1X3/4	25	200	019	4.84
MA3505-010	1	25	200	019	5.16

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Manifold Cap

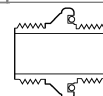
Fipt with O-ring Seal



MA4800-010	1	50	600	019	2.03
------------	---	----	-----	-----	------

Manifold Nipple

Mipt x Mipt with O-ring Seal



1" Nipple End Uses MA-218 O-ring

3/4" Nipple End Uses MA-214 O-ring

MA8306-010	1	25	200	019	2.18
MA8306-131	1X3/4	25	200	019	1.91

Manifold Replacement O-ring

For All 1" Cap/Swivel Connectors & For 3/4" Nipple End



MA-214	1 & 3/4	50	500	901	.47
--------	---------	----	-----	-----	-----

Manifold Nipple Replacement O-ring

For 1" Nipple & For 1" Nippled Coupling End



MA-218	1	50	500	901	.50
--------	---	----	-----	-----	-----

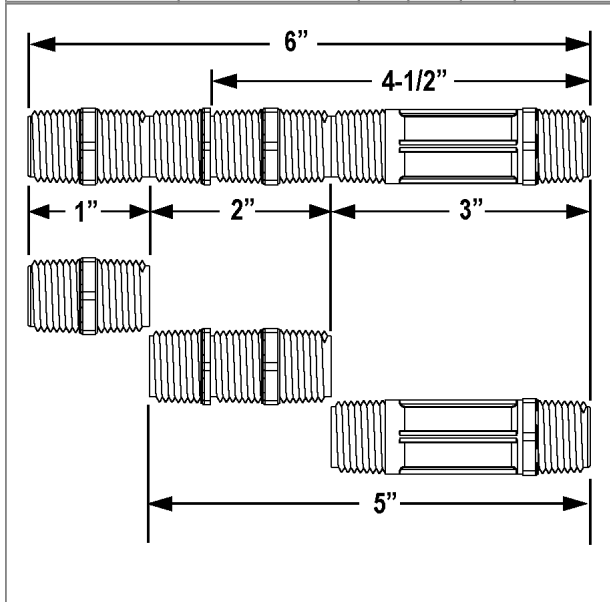


Turf & Irrigation Four-In-One • Cut-Off Nipples

- High quality polyethylene construction
- Choice of sizes from just one nipple
- Reduces inventory
- Eliminates waste
- Reduces contractor down time

Four-In-One Cut-Off Nipple

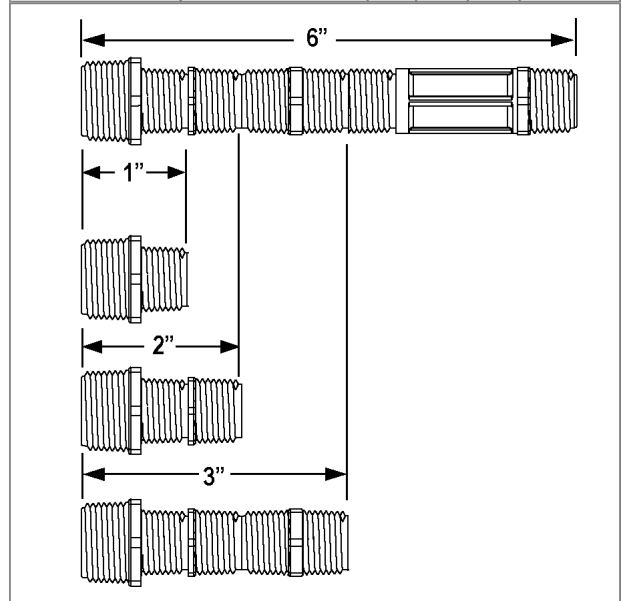
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
M481-005	1/2X6	50	350	123	1.03
M481-007	3/4X6	25	200	123	1.47



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Four-In-One Cut-Off Nipple - Reducing

M481-101	3/4X1/2X6	50	300	123	1.12
----------	-----------	----	-----	-----	------





• Hose Fittings • Solvent Weld For Flexible PVC Hose

FHT = Female Hose Thread
Fipt = Female Iron Pipe Thread
HS = Hose Socket
Ins = Male Insert Barb

MHT = Male Hose Thread
Mipt = Male Iron Pipe Thread
Soc = IPS Solvent Weld Socket

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose Coupling

C-44	1/2	200	0	020	.88
C-55	5/8	100	0	020	1.17
C-66	3/4	100	0	020	2.23

**90° EII
MHT x Soc**

EHP-007	3/4	50	0	020	2.49
EHP-101	3/4X1/2	50	0	020	2.13

Hose Tee

MHT x MHT x FHT Swivel with Washer

AP-101	3/4	50	0	020	4.31
--------	-----	----	---	-----	------



W-100



W-101

Hose Washer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Washer Only					
W-100	3/4	50	1500	020	.04
W-101	3/4	400	2400	020	1.04

Swivel Adapter

Fipt x FHT Swivel with Washer

AP-105	1/2X3/4	50	200	020	2.80
AP-106	3/4	50	200	020	2.80

Swivel Adapter

Mipt x FHT Swivel with Washer

AP-109	3/4	50	200	020	2.80
AP-112	1/2X3/4	50	200	020	2.80

Swivel Adapter

FHT Swivel x FHT Swivel with Washer

AP-110	3/4	50	200	020	2.80
--------	-----	----	-----	-----	------

Female Adapter

FHT Swivel x HS with Washer

F-64	3/4X1/2	100	0	020	2.17
F-65	3/4X5/8	100	0	020	2.31
F-66	3/4	100	0	020	2.38

FHT Swivel x Soc

F-64-P	3/4X1/2	100	0	020	2.17
F-66-P	3/4	100	0	020	2.38

Male Adapter

Mipt x HS

M-44	1/2X1/2	50	300	020	1.21
MHT x HS					
M-64	3/4X1/2	50	300	020	1.23
M-65	3/4X5/8	50	200	020	1.96
M-66	3/4	50	200	020	2.27

MHT x Soc

M-64-P	3/4X1/2	50	200	020	1.21
M-66-P	3/4	50	200	020	2.27

• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Female Compression Adapter

FHT x Poly Adapter with Insert Expander

F-64B	3/4X1/2	50	600	020	1.96
-------	---------	----	-----	-----	------

Male Compression Adapter

MHT x Poly Adapter with Insert Expander

M-64B	3/4X1/2	100	0	020	1.50
-------	---------	-----	---	-----	------

Hose Tee

Ins x Ins x FHT Swivel

AP-101B	1/2X3/4	50	0	020	3.36
---------	---------	----	---	-----	------

Transition Tee

Soc x Soc x Ins

1102-007	3/4	50	0	040	3.06
1102-130	1X1/2	200	0	040	3.43
1102-250	2X1-1/4	10	0	040	4.83

Insert Coupling

Ins x Ins

1429-005A	1/2	200	0	140	.93
-----------	-----	-----	---	-----	-----

Insert Male Adapter

Ins x Mipt

1436-005A	1/2	200	0	140	.78
-----------	-----	-----	---	-----	-----



Turf & Irrigation
• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose & Irrigation Accessories

• Hose Fittings • For 1/2" Polyethylene (.580 I.D.) Hose

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Plug
MHT



HPL-6	3/4	100	600	020	1.96
-------	-----	-----	-----	-----	------

Cap
FHT with Washer



AP-100	3/4	200	0	020	1.63
--------	-----	-----	---	-----	------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose Closure
For 1/2" Poly Hose



S-HC-1	1/2	200	0	020	.86
--------	-----	-----	---	-----	-----

Irrigation Accessories

Spears® PVC Adapter System offers a unique method for expanding field irrigation systems that lends versatility and economy to your project. These adapters are designed to use 1/2", 5/8" or 3/4" vinyl hose, and the Rebar fittings and crosses accept a 1/2" or 3/4" sprinkler base. Transition to the existing system can be accomplished with any one of the threaded outlets offered.

New Installation — Spears® PVC Adapter System is designed with threaded or swivel thread connections which simplify the initial installation and minimize material, manpower and installation costs. Additional savings accrue through a reduction of the number of laterals required.

Improving Existing Systems — The Spears® Adapter System is ideal for updating existing systems because it readily adapts to aluminum or PVC mains and laterals. Expansion or refinement of the irrigation system is easily accomplished through the versatility afforded the user in the location of the new sprinkler heads.

BSW = British Standard Whitworth Thread
 FHT = Female Hose Thread
 Fipt = Female Iron Pipe Thread
 MHT = Male Hose Thread
 Mipt = Male Iron Pipe Thread

NFT = National Fine Thread
 Rebar = Accepts 1/2" Rebar
 Soc = IPS Solvent Weld Socket
 Spig = Spigot

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose System Riser
Soc x Mipt



RM-64	1/2	75	0	020	4.79
RM-66	3/4	75	0	020	4.79

Hose System Riser
Soc x MHT



RM-66-H	3/4	75	0	020	4.79
---------	-----	----	---	-----	------

Hose System Riser
Soc x Fipt



RF-64	1/2	75	0	020	5.97
RF-66	3/4	70	0	020	5.97

Trickle Irrigation Hex Cap
Fipt (Less Holes)



T-1	1/2	800	0	020	1.56
-----	-----	-----	---	-----	------

Shrub Adapter
Fipt x NFT



PA2010-01	1/2X10-32	50	300	020	1.21
PA2010-03	1/2X5/16	50	300	020	1.21

Fipt x Fipt

PA2010-02	1/2X1/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Fipt x BSW

PA2010-04	1/2X3/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Shrub Adapter
Soc x NFT



PA2020-01	1/2X10-32	50	300	020	1.21
PA2020-03	1/2X5/16	50	300	020	1.21

Soc x Fipt

PA2020-02	1/2X1/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Soc x BSW

PA2020-04	1/2X3/8	50	300	020	1.21
-----------	---------	----	-----	-----	------

Transition Nipple
Mipt x MHT (1.790 Length)



N-1	3/4X3/4	50	300	020	1.28
-----	---------	----	-----	-----	------

Mipt x Mipt (1.410 Length)

N-2	3/8X1/2	50	300	020	1.28
-----	---------	----	-----	-----	------

Mipt x MHT (1.872 Length)

N-3	1/2X3/4	50	300	020	1.28
-----	---------	----	-----	-----	------

Mipt x Mipt Polypropylene (1.480 Length)

N-4	3/4X1/2	50	300	020	1.28
-----	---------	----	-----	-----	------

Pipe Support (90° Clip to Body)
Without Nail Holes

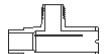


PS4-90	1/2	750	0	020	.57
--------	-----	-----	---	-----	-----

With Nail Holes

PS4-90N	1/2	750	0	020	.72
---------	-----	-----	---	-----	-----

Manifold Tee
Spig x Soc x Mipt



476-010	1	20	0	020	5.68
---------	---	----	---	-----	------

Turf & Irrigation Irrigation Accessories & Hose Adapters



Irrigation Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Manifold Tee

Spig x Soc x Fipt



477-010	1	25	0	020	5.68
---------	---	----	---	-----	------

Hose Adapters

For Solid Set Or Moveable Aluminum Systems

Fipt = Female Iron Pipe Thread
MHT = Male Hose Thread
Mipt = Male Iron Pipe Thread
Rebar = Accepts 1/2" Rebar

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Cross

MHT x MHT x Fipt x MHT



P-101	3/4X3/4X1/2X3/4	125	0	020	8.46
-------	-----------------	-----	---	-----	------

MHT x MHT x Fipt x Mipt

P-100	3/4	125	0	020	8.46
P-102	3/4X3/4X1/2X3/4	100	0	020	8.46
P-103	3/4X3/4X1/2X1/2	125	0	020	8.46

Rebar Cross

MHT x MHT x Fipt x Rebar



PR-101	3/4X1/2	50	0	020	9.10
PR-103	3/4X3/4X1/2X1/2	50	0	020	9.10

Rebar Ell

MHT x Fipt x Rebar



PR-100	3/4X1/2X1/2	100	0	020	4.79
PR-102	3/4X3/4X1/2	100	0	020	4.79



Turf & Irrigation Sprinkler Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Standard Sprinkler Stand

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

ES-443†	1/2X3/8	100	0	020	7.43
ES-444†	1/2X1/2	100	0	020	7.43
ES-543*	5/8X1/2X3/8	75	0	020	8.63
ES-544*	5/8X1/2X1/2	75	0	020	8.63
ES-553*	5/8X3/8	75	0	020	9.60
ES-554*	5/8X1/2	75	0	020	9.60
ES-653*	3/4X5/8X3/8	75	0	020	10.52
ES-654*	3/4X5/8X1/2	75	0	020	10.52
ES-663*	3/4X3/8	75	0	020	11.01
ES-664*	3/4X1/2	75	0	020	11.01

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the ES-443 or ES-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

Easy Pull Sled

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

EP-443†	1/2X3/8	20	0	020	17.98
EP-444†	1/2	20	0	020	17.98
EP-543*	5/8X1/2X3/8	20	0	020	19.19
EP-544*	5/8X1/2X1/2	20	0	020	19.19
EP-553*	5/8X3/8	20	0	020	20.36
EP-554*	5/8X1/2	20	0	020	20.36
EP-653*	3/4X5/8X3/8	20	0	020	20.62
EP-654*	3/4X5/8X1/2	20	0	020	20.62
EP-663*	3/4X3/8	20	0	020	21.09
EP-664*	3/4X1/2	20	0	020	21.09

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the EP-443 or EP-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

Tow-Line Tee

Soc



Assembled as shown

TL-112	1X1X1/2	15	0	020	11.98
TL-123	2X2X1/2	25	0	020	14.36

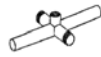
Soc x Soc x Fipt

TL-112-1	1X1X1/2	30	0	020	12.94
TL-116-1	1-1/4X1-1/4X1/2	30	0	020	13.19
TL-120-1	1-1/2X1-1/2X1/2	25	0	020	13.67
TL-123-1	2X2X1/2	25	0	020	14.86

NOTE: The Tow-Line Tee is used in conjunction with PVC Schedule 40 Pipe with solvent weld connection.

Hose Cross - with Legs

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet



Shown without adapters

HC-443†	1/2X3/8	60	0	020	8.63
HC-444†	1/2X1/2	60	0	020	8.63
HC-543*	5/8X1/2X3/8	60	0	020	9.83
HC-544*	5/8X1/2X1/2	60	0	020	9.83
HC-553*	5/8X3/8	60	0	020	11.01
HC-554*	5/8X1/2	60	0	020	11.01
HC-653*	3/4X5/8X3/8	60	0	020	11.74
HC-654*	3/4X5/8X1/2	60	0	020	11.74
HC-663*	3/4X3/8	60	0	020	12.46
HC-664*	3/4X1/2	60	0	020	12.46

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Hose Cross - with Legs (continued)

Hose Socket Inlet x Hose Socket Outlet x IPS Riser Outlet

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the HC-443 or HC-444 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

NOTE: Hose Crosses are standard with 4" legs. 8" legs are available upon request. Add "8" at the end of above Part Numbers for 8" legs (for example: HC-443-8). Contact your servicing Regional Distribution Center for pricing.

Hose Cross - Less Legs

Hose Socket Inlet x Hose Socket Inlet x IPS Riser Outlet



Shown without adapters

HC-443-1†	1/2X3/8	220	0	020	4.31
HC-444-1†	1/2X1/2	200	0	020	4.31
HC-543-1*	5/8X1/2X3/8	60	0	020	5.97
HC-544-1*	5/8X1/2X1/2	60	0	020	5.97
HC-553-1*	5/8X3/8	50	0	020	7.90
HC-554-1*	5/8X1/2	50	0	020	7.90
HC-653-1*	3/4X5/8X3/8	60	0	020	8.16
HC-654-1*	3/4X5/8X1/2	60	0	020	8.16
HC-663-1*	3/4X3/8	60	0	020	8.63
HC-664-1*	3/4X1/2	60	0	020	8.63

† Dual Connection — Hose Socket Inlets and Outlets accept 1/2" irrigation hose inside, and have 3/4" MHT on the outside.

* Item assembled when ordered — by providing either the HC-443-1 or HC-444-1 and one (1) or two (2) F-60 FHT Adapters with the applicable hose Socket size. Check with your servicing Regional Distribution Center for delivery lead time.

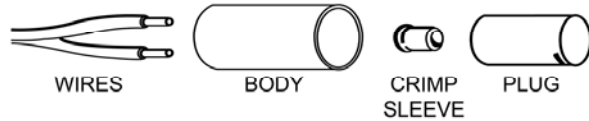
Turf & Irrigation Dri-Splice Wire Connectors



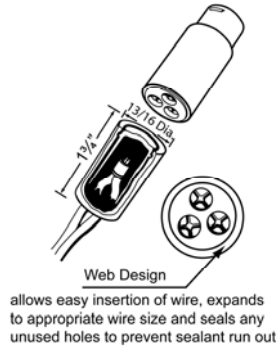
For use in electrical systems with 30v or less.

The Spears® Dri-Splice Seal designed into each wire hole enables you to stock one connector for all applications. The Dri-Splice Seal features an interference webbing which expands to accommodate #18 through #6 gauge wire sizes. In the event only two holes are used, the Dri-Splice Seal prevents sealant from leaking out through the third hole.

SOLD IN STANDARD PACK QUANTITIES ONLY DS-100/DS-150 & DS-400/DS-450 Dri-Splice Wire Connector Installation Information



1. Insert wires through holes in base of body.
2. Twist stripped wires together and apply crimp sleeve with an indent type crimping tool. Trim excess bare wire.
3. DS-100 & DS-150 ONLY — Fill Plug to brim with DS-300 sealant.
4. Invert body and insert plug into body until it snaps tight.
5. Push wires all the way into the plug to completely seal the crimp sleeve.
6. DS-100 & DS-150 ONLY — Be certain sealant has formed into all holes in body.



DS-100 & DS-150 Dri-Splice

- DS-100 fits AWG #18, #14, #12, or #10
- DS-150 fits AWG #14, #12, #10, #8, or #6
- Designed to insure waterproof connections
- Easily installed in the field without special tools
- Permanent protection for underground wire splices
- Requires the use of DS-300 Sealant

DS-400 & DS-450 Pre-Filled Dri-Splice

- All the features of the DS-100 or DS-150, plus the added benefit of being pre-filled with Dielectric Silicone Sealant
- Reduced inventory requirements
- Insures proper amount and type of Sealant every time
- Eliminates costly waste and clean-up
- Makes installations quick, clean and efficient

Dri-Splice Wire Connectors

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Dri-Splice Wire Connector with Crimp Sleeve (Sealant sold separately)					
DS-100	AWG #18, #14, #12, #10	25	400	020	1.39
DS-150	AWG #14, #12, #10, #8, #6	25	400	020	1.66

Pre-Filled Dri-Splice Wire Connector with Crimp Sleeve

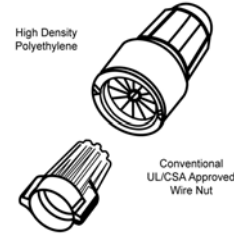
DS-400	AWG #18, #14, #12, #10	25	400	020	3.03
DS-450	AWG #14, #12, #10, #8, #6	25	400	020	3.30

Crimp Sleeves

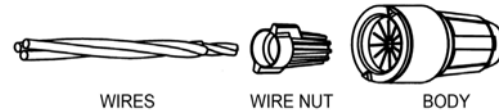
DS-200	AWG #18, #14, #12, #10	25	15000	901	.24
DS-250	AWG #14, #12, #10, #8, #6	25	12500	901	.50

Dri-Splice Sealant For DS-100 and DS-150 (Approx. 30 connections per 5 oz. tube)

DS-300	AWG #18, #14, #12, #10	24	0	020	14.53
--------	------------------------	----	---	-----	-------



DS-500 Dri-Splice Wire Connector Installation Information



1. Strip wires and install wire nut.
2. wire nut wings with arrows and insert fully into body.

Sealant:

Dri-Splice Wire Connector General Information

DS-300 Sealant* (for DS-100 & DS-150) -MSDS available upon request.

DS-400 & DS-450 Dielectric Silicone Sealant*-defined as an Article, per OSHA 29 CFR 1910, 1200, which does not require an MSDS.

DS-500 Dielectric Silicone Sealant*-defined as an Article, per OSHA 29 CFR 1910, 1200, which does not require an MSDS.

Shelf Life:

DS-300 (unopened tube)— One Year*

DS-400 & DS-450 — Indefinite at 73°F (23°C)*

DS-500— Indefinite at 73°F (23°C)*

Electrical Systems:

For use in electrical systems with 30v or less. UL Listing NOT required in most areas.

DS-100/DS-150 &

Plug— PVC

DS-400/DS-450

Body— PVC

Components:

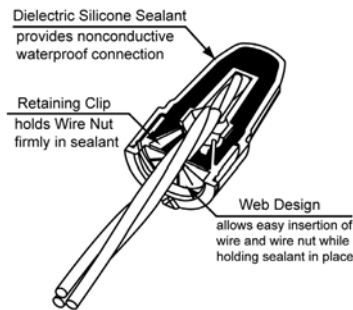
Crimp Sleeve— UL and CSA Listed for 18 - 10 awg solid or stranded copper conductors.

DS-500 Components:

Body— Polyethylene

Wire Nut— Twist-On Spring Type - UL/CSA Listed for 22 - 10 awg solid or stranded copper wire.

* Information developed and furnished by the Sealant Manufacturers. For additional information, please contact Spears® Technical Services Department.



DS-500 Dri-Splice Wire Connector

For use in electrical systems with 30v or less.

Spears® NEW DS-500 Dri Splice Wire Connector is the fast, reliable and clean way of making positive, waterproof connections you can depend on. Simply twist Wire Nut on and insert into Dielectric Silicone Sealant Cartridge. The DS-500 is specially designed for irrigation systems and low voltage lighting, marine and security systems and suitable for direct burial.

- Allows full assembly and check of connection prior to sealing
- Accepts wire combinations from 3 #22 to 3 #10 AWG solid or stranded copper wire
- Special "No-Mess" cartridge design fully encloses sealant
- Internal interlock prevents disengagement of wire nut from sealant cartridge

Dri-Splice Wire Connectors

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Pre-Filled Dri-Splice Wire Connector with Wire Nut					
DS-500	3 AWG #22-#10	25	500	020	3.03



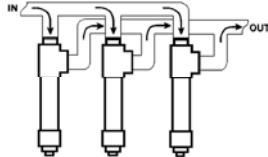
Turf & Irrigation Filters

Specially designed for agricultural and irrigation applications. Suitable for any application where cool, filtered water is required. Standard units utilize an internal-to-external filter cartridge. See following page for reverse flow (external to internal) filters.



- 200 psi Working Pressure Non-Shock @ 73°F (23°C)
- Filter Body is made from NSF®-PW Approved PVC Material
- Optional Screen Meshes
- Compact Design, Easy to Clean
- Lightweight, Easy to Install
- Filter Screens are designed using a standard perforated Stainless Steel Screen
- Mesh Sizes include an inner Stainless Steel Cloth with Spring Support (external cloth on reverse flow filters)
- Pressure loss: 100 GPM – 3 psi 50 GPM – 1.25 psi
- May be bushed to required pipe size

- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in the direct sun, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



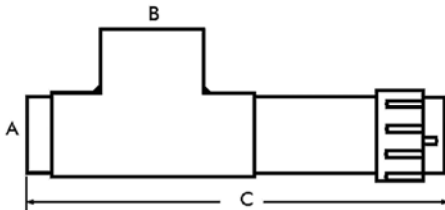
—CAUTION—

- WATER HAMMER MAY CAUSE SEVERE DAMAGE TO THE FILTER ASSEMBLY.
- BACK FLUSHING IS NOT RECOMMENDED.
- QUALITY GRADE THREAD SEALANT IS RECOMMENDED FOR ALL THREADED PVC CONNECTIONS.

Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.

Filter Dimensions & Weights



Series	A Inlet		B Outlet	C Overall Length	Screen Length	Filter Approx. Weight
	Socket	Spigot				
FLR	2-1/2	3	4	28	24	8
MFLR	2-1/2	3	4	16	12	4-3/4

Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM					
FL-16*	2-1/2 /3 x 4	1	0	020	527.35
FL-32*	2-1/2 /3 x 4	1	0	020	539.34
FL-50	2-1/2 /3 x 4	1	0	020	611.23
FL-76	2-1/2 /3 x 4	1	0	020	738.28
FL-100	2-1/2 /3 x 4	1	0	020	671.16
FL-150	2-1/2 /3 x 4	1	0	020	695.15
FL-200	2-1/2 /3 x 4	1	0	020	755.07

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL4a) for use with a valve, or may be plugged off (plug not furnished). Optional cap available with 1/4" IPS tapping for use with a pressure gauge — specify FL-5a when ordering.

50 GPM

MFL-16*	2-1/2 /3 x 2	1	0	020	443.48
MFL-32*	2-1/2 /3 x 2	1	0	020	450.65
MFL-50	2-1/2 /3 x 2	1	0	020	465.01
MFL-76	2-1/2 /3 x 2	1	0	020	563.33
MFL-100	2-1/2 /3 x 2	1	0	020	491.41
MFL-150	2-1/2 /3 x 2	1	0	020	515.37
MFL-200	2-1/2 /3 x 2	1	0	020	575.29

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL4a) for use with a valve, or may be plugged off (plug not furnished). Optional cap available with 1/4" IPS tapping for use with a pressure gauge — specify FL-5a when ordering.

Filter Replacement Screens

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM (24" Length)					
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11

Filter Replacement Screens (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM (24" Length)					
FL-50-1	50 Mesh	3	0	020	455.45
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for FL and MFL Series Filters, please provide exact length of old screen within 1/64" to ensure proper fit of new screen in your filter body.

50 GPM (12" Length)

MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for FL and MFL Series Filters, please provide exact length of old screen within 1/64" to ensure proper fit of new screen in your filter body.

Filter Replacement Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM Filter Body					
FL-11	2-1/2 /3 X 4	1	0	020	359.54

50 GPM Filter Body

MFL-11	2-1/2 /3 X 2	1	0	020	275.66
--------	--------------	---	---	-----	--------

Components for Old-Style Filters w/3" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Filter Cap w/Gasket					
FL-4A	3X1-1/4	1	70	020	29.97

Turf & Irrigation Filters & Reverse Flow Filters



Filters

Components for Old-Style Filters w/3" Bottom Cap (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Filter Cap w/Gasket					
FL-5A	3X1/4	70	0	020	29.97
Cap Gasket Only					
FCG-5	3	2	0	020	9.54

Components for New-Style Filters w/4" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Filter Cap w/O-rings					
FL-4B	4X1-1/4	25	0	020	55.07
FL-5B	4X1/4	1	0	020	89.09
Includes Cap with Cap O-ring (1) and bottom Filter Bushing O-ring (1)					
Cap O-Ring Only					
B-242	- - -	100	0	901	.79
Filter Bushing O-Rings					
B-335-60	- - -	100	0	901	3.48
Each filter uses two (2) Filter Bushing O-rings for top and bottom screen seals					

Reverse Flow Filters



100 GPM



50 GPM

- Filter cartridge specially designed for external-to-internal filtration
- Traps sediment and debris on outside of filter (standard filters use internal-to-external flow)
- 100 GPM and 50 GPM styles available

100 GPM Reverse Flow Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Socket x Socket/Spigot					
FLR-16*	4X2-1/2 /3	1	0	020	527.35
FLR-32*	4X2-1/2 /3	1	0	020	539.34
FLR-50	4X2-1/2 /3	1	0	020	611.23
FLR-76	4X2-1/2 /3	1	0	020	738.28
FLR-100	4X2-1/2 /3	1	0	020	671.16
FLR-150	4X2-1/2 /3	1	0	020	695.15
FLR-200	4X2-1/2 /3	1	0	020	755.07

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Socket x Socket/Spigot					
MFLR-16*	2X2-1/2 /3	1	0	020	443.48
MFLR-32*	2X2-1/2 /3	1	0	020	450.65
MFLR-50	2X2-1/2 /3	1	0	020	465.01
MFLR-76	2X2-1/2 /3	1	0	020	563.33
MFLR-100	2X2-1/2 /3	1	0	020	491.41
MFLR-150	2X2-1/2 /3	1	0	020	515.37
MFLR-200	2X2-1/2 /3	1	0	020	575.29

*Standard MFL-16 and MFL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Reverse Flow Filter Replacement Screens (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17

100 GPM Reverse Flow Filter Replacement Screens (24" Length) (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

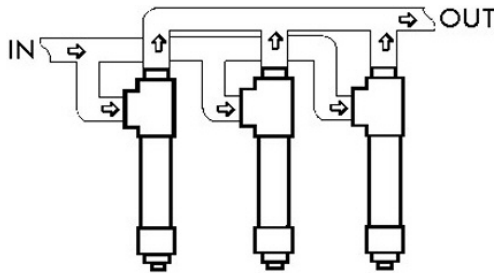


Turf & Irrigation Reverse Flow Filters

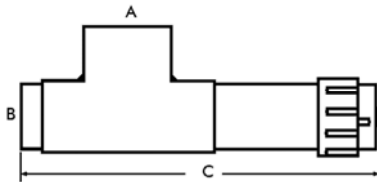
Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: FLR-50 = 50 Mesh

Typical Reverse Flow Application



- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in direct sunlight, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



Series	A Inlet	B Outlet		C Overall Length	Screen Length	Filter Approx. Weight
		Socket	Spigot			
FLR	4	2-1/2	3	28	24	8
MFLR	4	2-1/2	3	16	12	4-3/4

Turf & Irrigation

In-line Tee Style Filters and Reverse In-line Tee Style Filters



100 GPM and 50 GPM • PVC White • Buna O-ring Seal



100 GPM



50 GPM

- In-line Design Simplifies Installation.
- Allows Easy Parallel Filter Configuration for Increased Flow and Filtration.
- Removable Type 304 Stainless Steel Filter Cartridges in Assorted Perforations and Screen Mesh.
- Standard Flow Filter (Internal-to-External) Traps Sediment on Inside of Cartridge, Reverse Flow Filter (External-to-Internal) Traps Sediment on Outside of Cartridge.
- Convenient Bottom Drain with 1-1/4" NPT Stainless Steel Reinforced Plastic Thread and Plug. Optional Cap with 1/4" Outlet Available.
- 200 psi Working Pressure for Water @ 73°F (23°C).
- Manufactured from NSF® Certified PVC Material.

100 GPM PVC White Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
TF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	527.35
TF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	539.34
TF-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	611.23
TF-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	738.28
TF-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	671.16
TF-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	695.15
TF-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	755.07

50 GPM PVC White Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	443.48
MTF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	450.65
MTF-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	465.01
MTF-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	563.33
MTF-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	491.41
MTF-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	515.37
MTF-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	575.29

Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: TF-50 = 50 Mesh

100 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
TF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	527.35
TF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	539.34
TFR-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	611.23
TFR-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	738.28
TFR-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	671.16
TFR-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	695.15
TFR-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	755.07

50 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	443.48
MTF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	450.65
MTFR-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	465.01
MTFR-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	563.33
MTFR-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	491.41

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

50 GPM PVC White Reverse Tee Filter (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTFR-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	515.37
MTFR-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	575.29

100 GPM Filter Replacement Screens for TF Filters (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for TF and MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

50 GPM Filter Replacement Screens for MTF Filters (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for TF and MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49



Turf & Irrigation
In-line Tee Style Filters and Reverse In-line Tee Style Filters

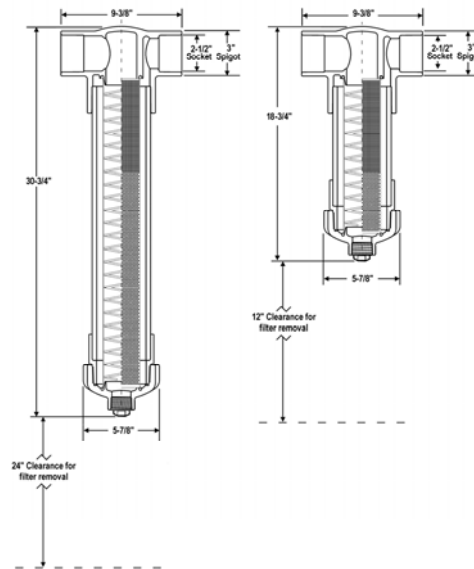
**50 GPM Reverse Flow Filter Replacement Screens for
MTFR Filters (12" Length) (continued)**

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

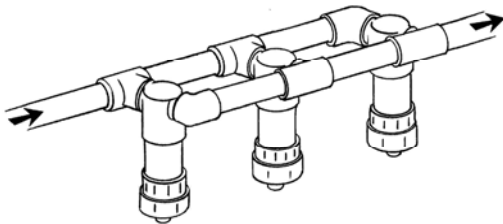
IN-LINE TECHNICAL INFORMATION

Dimensions

Filter includes drain plug for 1-1/4" NPT outlet. Optional valve for blow-out or filter cap with 1/4" NPT outlet can be purchased separately.

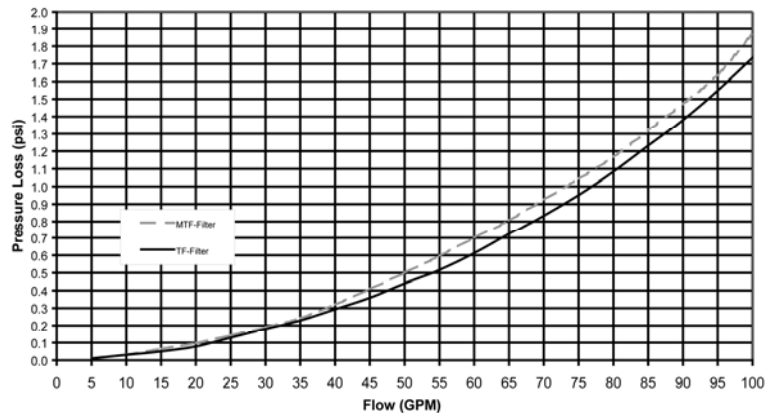


Parallel Filter Installation



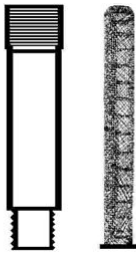
- When more than 100 gpm is required, filters may be installed in parallel.
- When installing filter, allow space for removing filter screen for cleaning.
- Remove stainless steel filter screen before solvent welding filter to pipe manifold to avoid cement contact with screen.
- When filters are installed in the direct sun, it is suggested the filter body be coated with a water-base latex paint having a high reflectance.
- Installation in a shaded area is preferred.

Pressure Loss

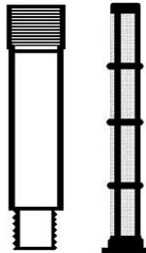




Turf & Irrigation Hose Filters



7 GPM Steel



7 GPM Plastic/Nylon

NOTE: It is recommended to connect the inlet of the Hose Filter to the system with a swivel adapter such as Spears® AP Series, to facilitate servicing of the filter element (refer to Hose Fittings).

Mesh Size	Hole Size (in.)	Part Number Extension
20 Mesh	.0331	-20
30 Mesh	.0232	-30
50 Mesh	.0117	-50
80 Mesh	.0070	-80
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: HF-50 = 50 Mesh

7 GPM Hose Filter Assembly

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
with Stainless Steel Screen					
HF-20	3/4	10	60	020	17.77
HF-30	3/4	10	60	020	17.77
HF-50	3/4	10	60	020	17.77
HF-80	3/4	10	60	020	17.77
HF-100	3/4	10	60	020	18.46
HF-150	3/4	10	60	020	18.69
HF-200	3/4	10	60	020	19.19

with Plastic/Nylon Screen

HF-150N	3/4	10	60	020	18.69
---------	-----	----	----	-----	-------

Hose Filter Replacement Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Stainless Steel Screen					
HF-20-1W	5	25	150	020	6.50
HF-30-1W	5	25	150	020	6.50
HF-50-1W	5	25	150	020	6.50
HF-80-1W	5	25	150	020	6.50
HF-100-1W	5	25	150	020	9.60
HF-150-1W	5	25	150	020	9.60
HF-200-1W	5	25	150	020	9.60

Plastic/Nylon Screen

HF-150-1NW	4-3/4	25	150	020	9.60
------------	-------	----	-----	-----	------

7 GPM Hose Filter Body Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose Filter Body w/o screen

HF	3/4	10	60	020	13.37
----	-----	----	----	-----	-------

Hose Washer

W-100	3/4	50	1500	020	.04
-------	-----	----	------	-----	-----

Screen Washer

S-W	- - -	600	0	901	.20
-----	-------	-----	---	-----	-----

Turf & Irrigation
PVC Low Head PIP Fabricated Fittings, Risers & Accessories



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Coupling
Soc x Soc



280-100001	4 IPS	1	10	300	15.10
280-100002	6	1	5	300	18.63
280-100003	8	1	6	300	20.97
280-100004	10	1	4	300	29.15
280-100005	12	1	4	300	39.64
280-100006	15	1	0	300	69.93
280-100007	18	1	0	300	124.68
280-100008	20	1	0	300	153.83

11-1/4° Elbow
Soc x Soc



280-100114	6	1	10	300	22.15
280-100115	8	1	4	300	31.49
280-100116	10	1	2	300	45.43
280-100117	12	1	2	300	62.93
280-100118	15	1	0	300	108.39
280-100119	18	1	0	300	186.50
280-100120	20	1	0	300	236.60

15° Elbow
Soc x Soc



280-100234	6	1	10	300	22.15
280-100235	8	1	4	300	31.49
280-100236	10	1	2	300	45.43
280-100237	12	1	2	300	62.93
280-100238	15	1	0	300	108.39
280-100239	18	1	0	300	189.97
280-100240	20	1	0	300	245.90

22-1/2° Elbow
Soc x Soc



280-100354	6	1	4	300	22.15
280-100355	8	1	3	300	31.49
280-100356	10	1	2	300	45.43
280-100357	12	1	2	300	62.93
280-100358	15	1	0	300	108.39
280-100359	18	1	0	300	189.97
280-100360	20	1	0	300	245.90

30° Elbow
Soc x Soc



280-100474	6	1	8	300	37.27
280-100475	8	1	4	300	54.73
280-100476	10	1	2	300	67.59
280-100477	12	1	2	300	110.76
280-100478	15	1	0	300	178.33
280-100479	18	1	0	300	315.83
280-100480	20	1	0	300	350.83

45° Elbow
Soc x Soc



280-100592	6	1	4	300	37.27
280-100593	8	1	4	300	54.73
280-100594	10	1	2	300	67.59
280-100595	12	1	2	300	110.76
280-100596	15	1	0	300	178.33
280-100597	18	1	0	300	315.83

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

45° Elbow (continued)
Soc x Soc

280-100598	20	1	0	300	350.83
------------	-----------	---	---	-----	--------

60° Elbow
Soc x Soc



280-100702	6	1	4	300	69.93
280-100703	8	1	2	300	86.21
280-100704	10	1	0	300	137.55
280-100705	12	1	0	300	180.64
280-100706	15	1	0	300	294.86
280-100707	18	1	0	300	510.49
280-100708	20	1	0	300	687.73

90° Elbow
Soc x Soc



280-100812	6	1	4	300	69.93
280-100813	8	1	2	300	86.21
280-100814	10	1	0	300	137.55
280-100815	12	1	0	300	180.64
280-100816	15	1	0	300	294.86
280-100817	18	1	0	300	510.49
280-100818	20	1	0	300	687.73

Reducer
Soc x Soc



280-100928	8X6	1	2	300	32.63
2829-626	10X6	1	4	300	131.46
280-100931	10X8	1	4	300	50.12
280-100933	12X6	1	6	300	187.45
280-100934	12X8	1	4	300	145.69
280-100935	12X10	1	4	300	72.29
2829-726	15X6	1	0	300	325.31
2829-728	15X8	1	0	309	233.65
280-100939	15X10	1	0	300	166.13
280-100940	15X12	1	0	300	109.52
2829-786	18X6	1	0	300	488.52
2829-788	18X8	1	0	300	459.60
280-100944	18X10	1	0	300	402.13
280-100945	18X12	1	0	300	360.09
280-100946	18X15	1	0	300	176.00
2829-816	20X6	1	0	300	752.24
2829-818	20X8	1	0	300	716.20
2829-820	20X10	1	0	300	662.19
2829-822	20X12	1	0	300	608.61
2829-825	20X15	1	0	300	497.71
280-100953	20X18	1	0	300	257.56

PIP x IPS Reducer
Soc x Soc



280-101536	6X4	1	4	300	26.21
280-101537	8X6	1	8	300	37.89
280-101538	10X8	1	4	300	50.12
280-101534	12X8	1	4	300	145.69
280-101539	12X10	1	4	300	87.40
280-101540	15X12	1	0	300	139.82

IPS X PIP Adapter
Soc x Soc



280-101649	6	1	4	300	29.15
280-101650	8	1	4	300	43.09



Turf & Irrigation PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

IPS X PIP Adapter (continued)

Soc x Soc

280-101651	10	1	4	300	67.59
280-101652	12	1	4	300	95.56

Concrete Adapter

Soc x Concrete



280-101761	6X6	1	5	300	27.97
280-101762	8X8	1	6	300	40.77
280-101763	10X10	1	4	300	62.93
280-101764	12X12	1	4	300	88.54
280-101765	12X14	1	0	300	94.37
280-101766	15X14	1	0	300	130.50
280-101767	15X15	1	0	300	134.04
280-101768	15X16	1	0	300	136.37
280-101769	18X18	1	0	300	158.51
280-101770	20X20	1	0	300	198.13

Linegate Valve Adapter

Linegate x Soc



280-101777	6	1	6	300	23.23
280-101778	8	1	6	300	26.35
280-101779	10	1	4	300	41.99
280-101780	12	1	4	300	59.45
280-101781	15	1	0	300	102.54
2845-180	18	1	0	300	147.65

Linegate Valve PIP Adapter

Linegate x Soc



2845-180P	18	1	0	300	147.65
-----------	----	---	---	-----	--------

Saddle

Soc



280-101788	4X2	1	40	300	18.63
280-101789	6X2	1	10	300	18.63
280-101790	8X2	1	10	300	18.63
280-101791	10X2	1	10	300	18.63
280-101792	12X2	1	10	300	18.63
280-101793	15X2	1	10	300	18.63
280-101794	18X2	1	20	300	18.63
280-101795	20X2	1	10	300	19.79
280-101796	4X3	1	5	300	19.79
280-101797	6X3	1	10	300	19.79
280-101798	8X3	1	10	300	19.79
280-101799	10X3	1	10	300	19.79
280-101800	12X3	1	10	300	19.79
280-101801	15X3	1	10	300	19.79
280-101802	18X3	1	20	300	19.79
280-101803	20X3	1	10	300	29.37
280-101804	6X4	1	10	300	22.15
280-101805	8X4	1	10	300	22.15
280-101806	10X4	1	10	300	22.15
280-101807	12X4	1	10	300	22.15
280-101808	15X4	1	10	300	22.15
280-101809	18X4	1	10	300	22.15
280-101810	20X4	1	8	300	22.15
280-101811	8X6	1	8	300	27.97
280-101812	10X6	1	8	300	27.97
280-101813	12X6	1	8	300	27.97
280-101814	15X6	1	8	300	27.97
280-101815	18X6	1	10	300	27.97
280-101816	20X6	1	7	300	31.49

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Saddle (continued)

Soc

280-101817	10X8	1	8	300	32.63
280-101818	12X8	1	8	300	32.63
280-101819	15X8	1	8	300	32.63
280-101820	18X8	1	8	300	36.11
280-101821	20X8	1	8	300	51.24
280-101822	12X10	1	10	300	39.64
280-101823	15X10	1	10	300	45.43
280-101824	18X10	1	10	300	46.60
280-101825	20X10	1	7	300	86.21
280-101826	15X12	1	5	300	60.60
280-101827	18X12	1	3	300	78.05
280-101828	20X12	1	0	300	94.37
280-101829	18X15	1	0	300	101.37
280-101830	20X15	1	0	300	129.35
280-101831	20X18	1	0	300	143.34

Stub Saddle

Soc



280-101883	4X2	1	10	300	23.23
280-101884	6X2	1	10	300	23.23
280-101885	8X2	1	10	300	23.23
280-101886	10X2	1	10	300	23.23
280-101887	12X2	1	10	300	24.46
280-101888	15X2	1	10	300	26.81
280-101889	18X2	1	10	300	26.81
280-101890	20X2	1	10	300	30.29
280-101891	4X3	1	10	300	27.97
280-101892	6X3	1	5	300	27.97
280-101893	8X3	1	5	300	27.97
280-101894	10X3	1	5	300	27.97
280-101895	12X3	1	5	300	30.29
280-101896	15X3	1	5	300	30.29
280-101897	18X3	1	10	300	30.29
280-101898	20X3	1	5	300	32.63
280-101899	6X4	1	10	300	32.63
280-101900	8X4	1	10	300	32.63
280-101901	10X4	1	10	300	32.63
280-101902	12X4	1	10	300	32.63
280-101903	15X4	1	10	300	32.63
280-101904	18X4	1	10	300	34.29
280-101905	20X4	1	10	300	34.95
280-101906	8X6	1	6	300	38.44
280-101907	10X6	1	8	300	38.44
280-101908	12X6	1	6	300	38.44
280-101909	15X6	1	8	300	40.77
280-101910	18X6	1	10	300	40.77
280-101911	20X6	1	7	300	46.60
280-101912	10X8	1	4	300	51.24
280-101913	12X8	1	3	300	51.24
280-101914	15X8	1	5	300	54.73
280-101915	18X8	1	5	300	58.26
280-101916	20X8	1	0	300	73.41
280-101917	12X10	1	3	300	67.59
280-101918	15X10	1	5	300	71.10
280-101919	18X10	1	4	300	72.29
280-101920	20X10	1	0	300	111.84
280-101921	15X12	1	0	300	101.37
280-101922	18X12	1	0	300	117.71
280-101923	20X12	1	0	300	134.04
280-101924	18X15	1	0	300	158.51
280-101925	20X15	1	0	300	187.63
280-101926	20X18	1	0	300	228.43

Turf & Irrigation PVC Low Head PIP Fabricated Fittings, Risers & Accessories



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Same Size Saddle Soc



280-101937	6X6	1	10	300	32.02
280-101938	8X8	1	5	300	46.60
280-101939	10X10	1	5	300	64.06
280-101940	12X12	1	4	300	93.23
280-101941	15X15	1	0	300	139.82
280-101942	18X18	1	0	300	238.94
280-101943	20X20	1	0	300	326.35

Same Size Stub Saddle Soc



280-101949	6X6	1	5	300	55.91
280-101950	8X8	1	4	300	89.50
280-101951	10X10	1	0	300	109.52
280-101952	12X12	1	0	300	124.68
280-101953	15X15	1	0	300	186.50
280-101954	18X18	1	0	300	324.03
280-101955	20X20	1	0	300	378.78

End Cap Soc



280-107539	4 IPS	1	10	300	10.49
280-107540	6	1	10	300	11.65
280-107541	8	10	0	300	19.79
280-107542	10	1	10	300	31.49
280-107543	12	1	10	300	48.94
280-107545	15	1	5	300	68.77
280-107547	18	1	5	300	125.86
280-107548	20	1	5	300	169.00

Surface Reducer Soc



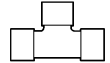
280-102013	6X2	1	10	300	18.63
280-102015	6X3	1	10	300	18.63
280-102016	6X4	1	10	300	18.63
280-102018	8X2	1	10	300	25.60
280-102020	8X3	1	10	300	25.60
280-102021	8X4	1	10	300	25.60
280-102022	8X6	1	10	300	25.60
280-102024	10X2	1	10	300	51.24
280-102026	10X3	1	10	300	51.24
280-102027	10X4	1	10	300	51.24
280-102028	10X6	1	10	300	51.24
280-102029	10X8	1	10	300	51.24
280-102031	12X2	1	10	300	62.93
280-102033	12X3	1	10	300	62.93
280-102034	12X4	1	10	300	62.93
280-102035	12X6	1	10	300	62.93
280-102036	12X8	1	10	300	62.93
280-102037	12X10	1	10	300	62.93
280-102048	15X2	1	5	300	88.54
280-102050	15X3	1	5	300	88.54
280-102051	15X4	1	5	300	88.54
280-102052	15X6	1	5	300	88.54
280-102053	15X8	1	5	300	88.54
280-102054	15X10	1	5	300	88.54
280-102055	15X12	1	5	300	88.54
280-102067	18X2	1	5	300	132.86
280-102069	18X3	1	4	300	132.86
280-102070	18X4	1	5	300	132.86
280-102071	18X6	1	5	300	132.86

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Surface Reducer (continued) Soc

280-102072	18X8	1	5	300	132.86
280-102073	18X10	1	5	300	132.86
280-102074	18X12	1	5	300	132.86
280-102075	18X15	1	5	300	132.86
280-102077	20X2	1	0	300	176.00
280-102136	20X3	1	0	300	176.00
280-102137	20X4	1	5	300	176.00
280-102138	20X6	1	5	300	176.00
280-102139	20X8	1	5	300	176.00
280-102140	20X10	1	5	300	176.00
280-102141	20X12	1	5	300	176.00
280-102142	20X15	1	5	300	176.00
280-102143	20X18	1	5	300	176.00

Tee Soc x Soc x Soc



280-102502	6	1	8	300	44.26
280-102499	6X2	1	6	300	34.95
280-102500	6X3	1	4	300	37.89
280-102501	6X4	1	4	300	39.64
280-102507	8	1	2	300	70.10
280-102503	8X2	1	2	300	45.09
280-102504	8X3	1	3	300	53.57
280-102505	8X4	1	2	300	55.91
280-102506	8X6	1	0	300	64.06
280-102508	10X2	1	0	300	71.07
280-102509	10X3	1	0	300	72.24
280-102510	10X4	1	0	300	74.03
280-102511	10X6	1	0	300	75.74
280-102512	10X8	1	0	300	81.22
280-102513	10	1	0	300	87.41
280-102520	12	1	0	300	142.17
280-102514	12X2	1	2	300	93.23
280-102515	12X3	1	0	300	99.10
280-102516	12X4	1	0	300	103.70
280-102517	12X6	1	0	300	105.76
280-102518	12X8	1	0	300	110.76
280-102519	12X10	1	0	300	121.20
280-102528	15	1	0	300	282.07
280-102521	15X2	1	0	300	151.50
280-102522	15X3	1	0	300	151.50
280-102523	15X4	1	0	300	157.34
280-102524	15X6	1	0	300	161.98
280-102525	15X8	1	0	300	180.64
280-102526	15X10	1	0	300	201.60
280-102527	15X12	1	0	300	235.41
280-102537	18	1	0	300	490.72
280-102529	18X2	1	0	300	285.53
280-102530	18X3	1	0	300	287.83
280-102531	18X4	1	0	300	290.21
280-102532	18X6	1	0	300	296.03
280-102533	18X8	1	0	300	300.71
280-102534	18X10	1	0	300	328.69
280-102535	18X12	1	0	300	362.51
280-102536	18X15	1	0	300	396.29
280-102547	20	1	0	300	607.27
280-102538	20X2	1	0	300	361.32
280-102539	20X3	1	0	300	365.06
280-102540	20X4	1	0	300	370.63
280-102541	20X6	1	0	300	382.32
280-102542	20X8	1	0	300	390.46
280-102543	20X10	1	0	300	432.40
280-102544	20X12	1	0	300	459.23
280-102545	20X15	1	0	300	493.07

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 117



Turf & Irrigation PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Tee (continued)

Soc x Soc x Soc

280-102546	20X18	1	0	300	554.80
------------	-------	---	---	-----	--------

Cross

Soc x Soc x Soc x Soc



280-103286	6	1	0	300	73.41
280-103283	6X2	1	0	300	58.26
280-103284	6X3	1	0	300	58.26
280-103285	6X4	1	4	300	64.06
280-103291	8	1	0	300	100.26
280-103287	8X2	1	0	300	81.56
280-103288	8X3	1	0	300	81.56
280-103289	8X4	1	0	300	87.40
280-103290	8X6	1	0	300	92.03
280-103297	10	1	0	300	136.37
280-103292	10X2	1	2	300	81.56
280-103293	10X3	1	0	300	84.50
280-103294	10X4	1	0	300	87.40
280-103295	10X6	1	0	300	97.91
280-103296	10X8	1	0	300	111.84
280-103304	12	1	0	300	189.97
280-103303	12X10	1	0	300	161.98
280-103298	12X2	1	0	300	110.15
280-103299	12X3	1	0	300	111.27
280-103300	12X4	1	0	300	114.19
280-103301	12X6	1	0	300	123.54
280-103302	12X8	1	0	300	134.04
280-103321	15	1	0	300	362.51
280-103313	15X2	1	0	300	161.98
280-103314	15X3	1	0	300	165.50
280-103315	15X4	1	0	300	173.68
280-103316	15X6	1	0	300	184.15
280-103317	15X8	1	0	300	198.13
280-103318	15X10	1	0	300	234.29
280-103319	15X12	1	0	300	282.07
280-103342	18	1	0	300	581.61
280-103332	18X2	1	0	300	314.70
280-103333	18X3	1	0	300	317.63
280-103334	18X4	1	0	300	320.55
280-103335	18X6	1	0	300	328.69
280-103336	18X8	1	0	300	338.00
280-103337	18X10	1	0	300	384.60
280-103338	18X12	1	0	300	409.16
280-103340	18X15	1	0	300	466.26
280-103354	20	1	0	300	765.80
280-103343	20X2	1	0	300	441.73
280-103344	20X3	1	0	300	445.23
280-103345	20X4	1	0	300	448.76
280-103346	20X6	1	0	300	459.23
280-103347	20X8	1	0	300	470.90
280-103348	20X10	1	0	300	504.67
280-103349	20X12	1	0	300	543.16
280-103351	20X15	1	0	300	568.79
280-103353	20X18	1	0	300	667.88

Orchard Riser

Saddle x Riser



2880-04030	4X4	1	0	301	33.74
2880-53230	6X4	1	25	301	33.74
2880-06030	6X6	1	25	301	58.26
2880-58230	8X4	1	25	301	33.74
2880-58530	8X6	1	25	301	44.26
2880-08030	8X8	1	12	301	81.60
2880-62430	10X4	1	30	301	34.95

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Orchard Riser (continued)

Saddle x Riser

2880-62630	10X6	1	20	301	44.26
2880-62830	10X8	1	16	301	60.60
2880-10030	10X10	1	6	301	116.52
2880-66430	12X4	1	25	301	36.11
2880-66630	12X6	1	20	301	44.26
2880-66830	12X8	1	12	301	60.60
2880-67030	12X10	1	9	301	83.89
2880-12030	12X12	1	6	301	163.16
2880-72430	15X4	1	25	301	38.44
2880-72630	15X6	1	25	301	51.24
2880-72830	15X8	1	12	301	68.77
2880-73030	15X10	1	9	301	95.56
2880-73230	15X12	1	6	301	131.69
2880-15030	15X15	1	4	301	272.73
2880-78430	18X4	1	25	301	41.99
2880-78630	18X6	1	25	301	49.84
2880-78830	18X8	1	10	301	72.29
2880-79030	18X10	1	9	301	96.73
2880-79230	18X12	1	6	301	149.16
2880-79530	18X15	1	4	301	215.61
2880-18030	18X18	1	3	301	409.09
2880-81430	20X4	1	0	301	44.29
2880-81630	20X6	1	12	301	58.29
2880-81830	20X8	1	12	301	87.40
2880-82030	20X10	1	6	301	136.38
2880-82230	20X12	1	5	301	165.50
2880-82530	20X15	1	0	301	243.64
2880-82830	20X18	1	0	301	299.54
2880-20030	20X20	1	2	301	528.03

Erosion Pot Riser

Saddle x Riser x Pot



2881-53232	6X4X8	1	16	301	64.59
2881-06032	6X6X10	1	0	301	77.29
2881-58232	8X4X8	1	20	301	64.59
2881-58532	8X6X10	1	0	301	77.29
2881-08032	8X8X12	1	0	301	109.30
2881-62432	10X4X8	1	16	301	64.59
2881-62632	10X6X10	1	0	301	77.29
2881-62832	10X8X12	1	12	301	109.30
2881-10032	10X10X15	1	0	301	150.17
2881-66432	12X4X8	1	20	301	64.59
2881-66632	12X6X10	1	12	301	77.29
2881-66832	12X8X12	1	12	301	109.30
2881-67032	12X10X15	1	0	301	150.17
2881-12032	12X12X18	1	0	301	198.78
2881-72432	15X4X8	1	0	301	64.59
2881-72632	15X6X10	1	12	301	77.29
2881-72832	15X8X12	1	0	301	109.30
2881-73032	15X10X15	1	0	301	150.17
2881-73232	15X12X18	1	0	301	198.78
2881-15032	15X15X20	1	0	301	292.63
2881-78432	18X4X8	1	0	301	64.59
2881-78632	18X6X10	1	0	301	77.29
2881-78832	18X8X12	1	0	301	109.30
2881-79032	18X10X15	1	0	301	150.17
2881-79232	18X12X18	1	0	301	198.78
2881-79532	18X15X20	1	0	301	292.63
2881-81432	20X4X8	1	0	301	64.59
2881-81632	20X6X10	1	0	301	77.29
2881-81832	20X8X12	1	0	301	109.30
2881-82032	20X10X15	1	0	301	150.17
2881-82232	20X12X18	1	0	301	198.78
2881-82532	20X15X20	1	0	301	292.63

Turf & Irrigation
PVC Low Head PIP Fabricated Fittings, Risers & Accessories



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Mechanical Vent Assembly
Saddle x Riser/Vent



2882-420	4X2	1	10	301	64.06
2882-422	4X3	1	0	301	99.03
2882-528	6X2	1	10	301	64.06
2882-530	6X3	1	5	301	99.03
2882-532	6X4	1	5	301	137.55
2882-578	8X2	1	8	301	64.06
2882-580	8X3	1	4	301	99.03
2882-582	8X4	1	8	301	137.55
2882-621	10X2	1	10	301	64.06
2882-623	10X3	1	5	301	99.03
2882-624	10X4	1	3	301	137.55
2882-661	12X2	1	10	301	64.06
2882-663	12X3	1	5	301	99.03
2882-664	12X4	1	4	301	137.55
2882-721	15X2	1	0	301	64.07
2882-723	15X3	1	6	301	99.03
2882-724	15X4	1	4	301	137.55
2882-781	18X2	1	0	301	64.07
2882-783	18X3	1	0	301	99.03
2882-784	18X4	1	4	301	137.55
2882-811	20X2	1	0	301	64.07
2882-813	20X3	1	0	301	99.03
2882-814	20X4	1	0	301	137.55

Mechanical Vent Riser
Saddle x Riser/Vent x Chamber



2883-52842	6X2X4	1	0	301	74.59
2883-57842	8X2X6	1	0	301	80.43
2883-58042	8X3X6	1	0	301	101.37
2883-62142	10X2X8	1	12	301	97.91
2883-62342	10X3X8	1	8	301	116.52
2883-62442	10X4X8	1	12	301	137.55
2883-66142	12X2X10	1	0	301	125.86
2883-66342	12X3X10	1	16	301	143.34
2883-66442	12X4X10	1	12	301	163.16
2883-72442	15X4X12	1	6	301	212.11
2883-78442	18X4X15	1	0	301	273.89
2883-81442	20X4X18	1	0	301	385.81

Vent Base
Saddle x Riser x Outlet



2888-532020	6X4X2	1	2	301	48.39
2888-585030	8X6X3	1	0	301	149.72
2888-585040	8X6X4	1	4	301	75.74
2888-628060	10X8X6	1	0	301	116.52
2888-670060	12X10X6	1	0	301	123.54
2888-732080	15X12X8	1	0	301	185.30
2888-795080	18X15X8	1	0	301	256.44
2888-828080	20X18X8	1	0	301	463.93

Low Head Wye
Soc x Soc



2875-060	6	1	2	300	81.80
2875-080	8	1	0	300	108.20
2875-100	10	1	0	300	140.76
2875-120	12	1	0	300	196.11
2875-150	15	1	0	300	303.38
2875-183	18	1	0	300	729.50
2875-200	20	1	0	300	978.27

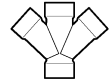
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Low Head Wye
Soc x Soc



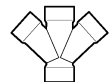
2875-532	6X4	1	4	300	63.79
2875-585	8X6	1	0	300	94.37
2875-626	10X6	1	0	300	120.69
2875-628	10X8	1	0	300	127.31
2875-666	12X6	1	0	300	132.64
2875-668	12X8	1	0	300	152.27
2875-670	12X10	1	0	300	162.66
2875-726	15X6	1	0	300	178.80
2875-728	15X8	1	0	300	193.79
2875-730	15X10	1	0	300	212.24
2875-732	15X12	1	0	300	233.02
2875-786	18X6	1	0	300	288.41
2875-788	18X8	1	0	300	292.97
2875-790	18X10	1	0	300	320.15
2875-792	18X12	1	0	300	353.09
2875-795	18X15	1	0	300	386.02
2875-816	20X6	1	0	300	360.50
2875-818	20X8	1	0	300	366.20
2875-820	20X10	1	0	300	400.18
2875-822	20X12	1	0	300	441.35
2875-825	20X15	1	0	300	482.54
2875-828	20X18	1	0	300	849.00

Double Wye
Soc x Soc



2876-060	6	1	0	300	128.47
2876-080	8	1	0	300	146.35
2876-100	10	1	0	300	245.06
2876-120	12	1	0	300	292.69
2876-150	15	1	0	300	452.81
2876-183	18	1	0	300	1227.76
2876-200	20	1	0	300	1745.38

Reducing Double Wye
Soc x Soc

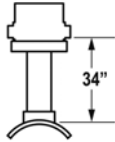


2876-585	8X6	1	0	300	103.32
2876-626	10X6	1	0	300	146.35
2876-628	10X8	1	0	300	161.86
2876-666	12X6	1	0	300	197.97
2876-668	12X8	1	0	300	227.27
2876-670	12X10	1	0	300	271.71
2876-726	15X6	1	0	300	266.86
2876-728	15X8	1	0	300	289.23
2876-730	15X10	1	0	300	316.80
2876-732	15X12	1	0	300	429.53
2876-786	18X6	1	0	300	430.48
2876-788	18X8	1	0	300	437.27
2876-790	18X10	1	0	300	477.83
2876-792	18X12	1	0	300	527.00
2876-795	18X15	1	0	300	576.16
2876-816	20X6	1	0	300	594.57
2876-818	20X8	1	0	300	610.07
2876-820	20X10	1	0	300	624.50
2876-822	20X12	1	0	300	658.73
2876-825	20X15	1	0	300	720.20
2876-828	20X18	1	0	300	1331.91



Turf & Irrigation PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Size	Disc Code	Part Number	List Price	Each
DISTRIBUTING GATE RISER (Saddle x Riser x Pot)				
GATES NOT INCLUDED IN PRICE (See CHART #1 on Next Page)				
6x4x8	301	2884-53234	97.93	---
8x4x8	301	2884-58234	97.93	---
8x6x10	301	2884-58534	125.86	---
10x4x8	301	2884-62434	97.93	---
10x6x10	301	2884-62634	125.86	---
10x8x12	301	2884-62834	186.50	---
12x4x8	301	2884-66434	97.93	---
12x6x10	301	2884-66634	125.86	---
12x8x12	301	2884-66834	186.50	---
12x10x15	301	2884-67034	266.34	---
15x4x8	301	2884-72334	97.93	---
15x6x10	301	2884-72634	125.86	---
15x8x12	301	2884-72834	186.50	---
15x10x15	301	2884-73034	266.95	---
15x12x18	301	2884-73234	484.88	---
18x4x8	301	2884-78434	97.93	---
18x6x10	301	2884-78634	125.86	---
18x8x12	301	2884-78834	186.50	---
18x10x15	301	2884-79034	266.34	---
18x12x18	301	2884-79234	484.88	---
20x4x8	301	2884-81434	97.93	---
20x6x10	301	2884-81634	125.86	---
20x8x12	301	2884-81834	186.52	---
20x10x15	301	2884-82034	266.34	---
20x12x18	301	2884-82234	484.88	---



HOW TO ORDER A DISTRIBUTING GATE RISER

Choose the Distributing Gate Riser size required:

Example: 6 x 4 x 8

(6" Saddle x 4" Riser x 8" Pot)

Part Number 2884-53234 ---

Next, choose the Gate size required from CHART #1:

Example: 2-1/2" Gates

(Code Number "2")

Next, add this Code Number to the end of the Part Number:

Example: 2884-53234 2---

Next, choose the position required for the gates from CHART #2:

Example: Standard 2-Way Gates

(Code Number "05")

Next, add this Code Number to the very end of the Part Number:

Example: 2884-532342 05

The Part Number is now complete for a

6" Saddle x 4" Riser x 8" Pot

with 2-1/2" Standard 2-Way Gates -

2884-53234205

HOW TO CALCULATE A DISTRIBUTING GATE RISER TOTAL LIST PRICE EACH WITH GATES INSTALLED

Find the base unit List Price Each at left:

Example: \$97.93

Next, find the List Price Each for the size of Gate required from CHART #1:

Example: 2-1/2" Gate - \$15.12 each

Next, multiply the Gate price by the number of Gates required:

Example: \$15.12 x 2 = \$30.24

Next, add this amount to the base unit price, for the Total List Price Each:

Example: \$97.93 + \$30.24 = \$128.17

The Total List Price Each for a

6" Saddle x 4" Riser x 8" Pot with 2-1/2"

Standard 2-Way Gates installed is

\$128.17

Turf & Irrigation
PVC Low Head PIP Fabricated Fittings, Risers & Accessories



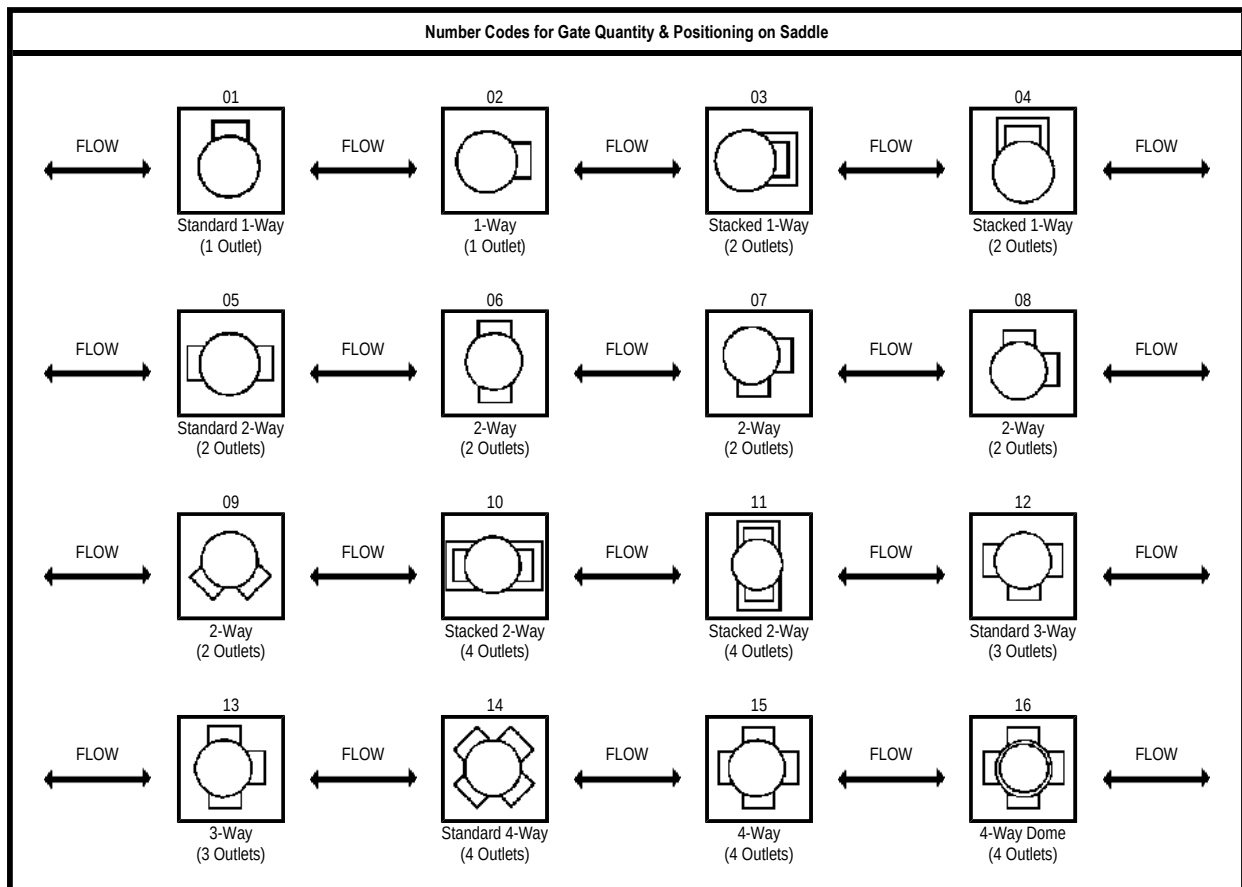
CHART #1

Gate/Hole Size	Distributing Gate Size Code	Disc Code	List Price Each Installed
2" Gate	1	301	12.82
2- 1/2" Gate	2	301	15.12
3" Gate	3	301	17.46
4" Gate	4	301	25.63
2" Hole*	5	301	—
2- 1/2" Hole*	6	301	—
3" Hole*	7	301	—
4" Hole*	8	301	—

* Hole Size Codes **MUST** be chosen **ONLY** when ordering with **NO GATES INSTALLED**.

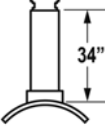
Number code for Gate Hole positioning must also be chosen from CHART #2 below.

CHART #2





Turf & Irrigation PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Part Number Size		Disc Code	List Price Each			
RITE FLO RISER (Saddle x Riser)						
GATES NOT INCLUDED IN PRICE (See CHART #3 on Next Page)			1 Outlet	2 Outlets	3 Outlets	4 Outlets
	2885-58534 8x6 ---	301	118.39	122.10	124.59	126.74
	2885-62634 10x6 ---	301	118.39	122.10	124.59	126.74
	2885-66634 12x6 ---	301	118.39	122.10	124.59	126.74
	2885-72634 15x6 ---	301	118.39	122.10	124.59	126.74
	2885-78634 18x6 ---	301	118.39	122.10	124.59	126.74
	2885-81634 20x6 ---	301	118.39	122.10	124.59	126.74

HOW TO ORDER A RITE FLO RISER

Choose the Rite Flo Riser size required:

Example: 8 x 6 Riser
(8" Saddle x 6" Riser)
Part Number 2885-58534 _ _ _

Next, choose the Gate size required from CHART #3:

Example: 3" Gates
(Code Number "3")

Next, add this Code Number to the end of the Part Number:

Example: 2885-58534 3 _ _

Next, choose the position required for the gates from CHART #4:

Example: Standard 2-Way (2 Outlets)
(Code Number "05")

Next, add this Code Number to the very end of the Part Number:

Example: 2885-585343 0 5

The Part Number is now complete for an 8" Saddle x 6" Standard 2-Way Riser
with 3" Gates –

2885-58534305

HOW TO CALCULATE A RITE FLO RISER TOTAL LIST PRICE EACH WITH GATES INSTALLED

Find the base unit List Price Each at left:

Example: \$126.74

Next, find the List Price Each for the 3" Gate required from CHART #3:

Example: 3" Gate – \$44.84 each

Next, multiply the Gate price by the number of Gates required:

Example: \$44.84 x 4 = \$179.36

Next, add this amount to the base unit price, for the Total List Price Each:

Example: \$126.74 + \$179.36 = \$306.10

The Total List Price Each for a
8" Saddle x 6" 4-Way Dome Riser
with 3" Gates installed is

\$306.10

Turf & Irrigation PVC Low Head PIP Fabricated Fittings, Risers & Accessories



CHART #3

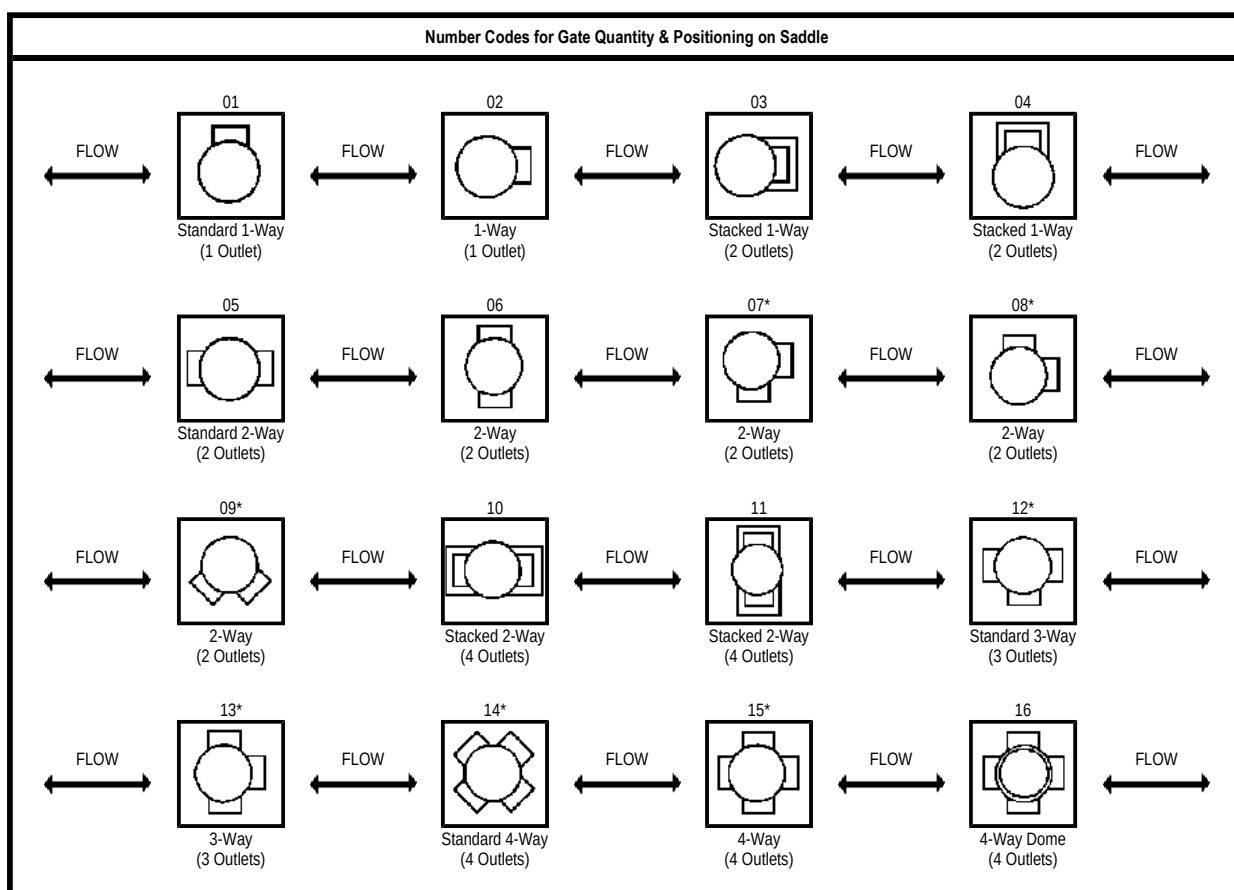
Gate/Hole Size	Gate Size Code	Disc Code	Rite Flo List Price Each Installed
3" Gate	3	301	44.84
2" Hole*	5	301	—
3" Hole*	7	301	—

* Hole Size Codes MUST be chosen ONLY when ordering with NO GATES INSTALLED.

Number code for Gate Hole positioning must also be chosen from CHART #4 below.

NOTE: 3" Rite Flo Gates can be installed on 6" Risers ONLY.

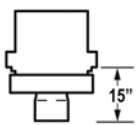
CHART #4



*Staggered gates are provided for Rite Flo Risers to allow adequate room for gates to operate properly.



Turf & Irrigation PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Size	Disc Code	Part Number	List Price	Each
DISTRIBUTING GATE REPAIR UNIT (Riser x Pot)				
GATES NOT INCLUDED IN PRICE (See CHART #5 on Next Page)				
	4x8	28840-42715	81.60	---
			---	---
	6x10	28840-53715	109.56	---
			---	---
	8x12	28840-59115	157.33	---
			---	---
	10x15	28840-63515	207.97	---
			---	---
	12x18	28840-67815	392.83	---
			---	---

HOW TO ORDER DISTRIBUTING GATE AND RITE FLO RISER REPAIR UNITS

Choose the Repair Unit size required:

Example: 4 x 8 Distributing Gate Repair Unit
(4" Riser x 8" Pot)
Part Number 28840-42715 ---

Next, choose the Gate size required from CHART #5:

Example: 2" Gate
(Code Number "1")

Next, add this Code Number to the end of the

Part Number:
Example: 28840-42715 1---

Next, choose the position required for the gates from CHART #6:

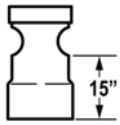
Example: 4-Way
(Code Number "14")

Next, add this Code Number to the very end of the Part Number:

Example: 28840-42715 14

The Part Number is now complete for a
4" Riser x 8" Pot Distributing Gate Riser Repair Unit with 2" 4-Way Gates –

28840-4271514

Part Number Size		Disc Code	List Price Each			
RITE FLO RISER REPAIR UNIT						
GATES NOT INCLUDED IN PRICE (See CHART #5 on Next Page)			1 Outlet	2 Outlets	3 Outlets	4 Outlets
	28850-06015 6"	301	59.80	64.77	69.72	74.74

HOW TO CALCULATE DISTRIBUTING GATE AND RITE FLO RISER REPAIR UNITS TOTAL LIST PRICE EACH WITH GATES INSTALLED

Find the base unit List Price Each above:

Example: \$81.60

Next, find the List Price Each for the size of Gate required from CHART #5:

Example: 2" Gate – \$12.82 each

Next, multiply the Gate price by the number of Gates required:

Example: \$12.82 x 4 = \$51.28

Next, add this amount to the base unit price, for the Total List Price Each:

Example: \$81.60 + \$51.28 = \$132.88

The Total List Price Each for a
4" Riser x 8" Pot Distributing Gate Riser Repair Unit
with 2" 4-Way Gates installed is

\$132.88

Turf & Irrigation
PVC Low Head PIP Fabricated Fittings, Risers & Accessories



CHART #5

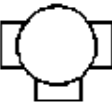
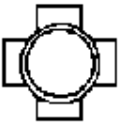
Gate/Hole Size	Gate Size Code	Disc Code	Distributing Gate List Price Each Installed	Rite Flo Gate List Price Each Installed
2" Gate	1	301	12.82	—
2- 1/2" Gate	2	301	15.12	—
3" Gate	3	301	17.46	44.84
4" Gate	4	301	25.63	—
2" Hole*	5	301	—	—
2- 1/2" Hole*	6	301	—	—
3" Hole*	7	301	—	—
4" Hole*	8	301	—	—

* Hole Size Codes **MUST** be chosen **ONLY** when ordering with **NO GATES INSTALLED**.

Number code for Gate Hole positioning must also be chosen from **CHART #6** below.

NOTE: 3" Rite Flo Gates can be installed on 6" Risers **ONLY**.

CHART #6

Repair Unit Number Codes for Gate Quantity & Positioning			
02  1-Way (1 Outlet)	04  Stacked 1-Way (2 Outlets)	06  2-Way (2 Outlets)	08*  2-Way (2 Outlets)
10  Stacked 2-Way (4 Outlets)	12*  3-Way (3 Outlets)	14*  4-Way (4 Outlets)	16  4-Way Dome (4 Outlets)

*Staggered gates are provided for Rite Flo Riser Repair Units to allow adequate room for gate to operate properly.

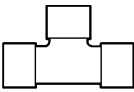
All Low Head PIP Fabricated Fittings showing size outlets of 4" and under are IPS size on that outlet



Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings

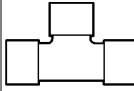
	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Tee (Socket)

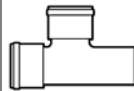
	6	290-102502 85.07	300-102502 101.79	3301-060P 102.34
	6X2	290-102499 59.45	300-102499 68.77	3301-528P 77.18
	6X3	290-102500 64.06	300-102500 73.41	3301-530P 83.05
	6X4	290-102501 66.43	300-102501 76.89	3301-532P 86.16
	8	290-102507 146.71	300-102507 150.33	3301-080P 205.17
	8X2	290-102503 73.41	300-102503 85.07	3301-578P 116.38
	8X3	290-102504 81.56	300-102504 92.03	3301-580P 126.83
	8X4	290-102505 92.03	300-102505 100.26	3301-582P 137.20
	8X6	290-102506 109.52	300-102506 123.54	3301-585P 169.99
	10	290-102513 212.11	300-102513 241.30	3301-100P 306.26
	10X2	290-102508 107.21	300-102508 117.71	3301-621P 161.80
	10X3	290-102509 117.71	300-102509 150.33	3301-623P 205.89
	10X4	290-102510 136.37	300-102510 153.83	3301-624P 212.12
	10X6	290-102511 150.33	300-102511 157.34	3301-626P 232.72
	10X8	290-102512 173.68	300-102512 209.81	3301-628P 288.62
	12	290-102520 300.71	300-102520 384.60	3301-120P 481.52
	12X2	290-102514 142.17	300-102514 170.11	3301-661P 253.61
	12X3	290-102515 167.86	300-102515 203.95	3301-663P 280.32
	12X4	290-102516 189.97	300-102516 226.11	3301-664P 309.54
	12X6	290-102517 200.44	300-102517 245.90	3301-666P 338.80
	12X8	290-102518 236.60	300-102518 290.21	3301-668P 401.07
	12X10	290-102519 272.73	300-102519 334.50	3301-670P 444.99
	15	290-102528 562.95	300-102528 662.05	3301-150P 860.21
	15X2	290-102521 262.26	300-102521 306.52	3301-721P 384.60
	15X3	290-102522 276.24	300-102522 322.86	3301-723P 409.16
	15X4	290-102523 284.39	300-102523 336.85	3301-724P 423.09
	15X6	290-102524 308.84	300-102524 370.63	3301-726P 479.05
	15X8	290-102525 356.64	300-102525 414.94	3301-728P 551.34
	15X10	290-102526 404.44	300-102526 490.72	3301-730P 623.57
	15X12	290-102527 462.69	300-102527 551.34	3301-732P 719.79
	18	290-102537 871.85	300-102537 1016.37	3301-180P 1447.70
	18X2	290-102529 455.55	300-102529 497.66	3301-781P 607.27
	18X3	290-102530 469.73	300-102530 510.49	3301-783P 679.51
	18X4	290-102531 519.83	300-102531 561.82	3301-784P 723.82
	18X6	290-102532 534.98	300-102532 581.61	3301-786P 741.31
	18X8	290-102533 557.15	300-102533 606.09	3301-788P 827.55
	18X10	290-102534 588.61	300-102534 651.56	3301-790P 904.48

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Tee (Socket) (continued)

	18X12	290-102535 651.56	300-102535 773.96	3301-792P 1016.37
	18X15	290-102536 755.30	300-102536 935.96	3301-795P 1183.11
	21	290-102558 1608.52	300-102558 1892.93	3301-210P 2157.52
	21X2	290-102548 660.44	300-102548 829.88	3301-841P 944.12
	21X3	290-102549 676.54	300-102549 835.70	3301-843P 960.47
	21X4	290-102550 699.33	300-102550 845.04	3301-844P 1002.41
	21X6	290-102551 741.31	300-102551 1024.53	3301-846P 1149.29
	21X8	290-102552 791.41	300-102552 1054.84	3301-848P 1197.05
	21X10	290-102553 843.86	300-102553 1094.47	3301-850P 1253.02
	21X12	290-102554 924.32	300-102554 1104.98	3301-852P 1558.40
	21X15	290-102555 1018.72	300-102555 1266.98	3301-855P 1781.03
	21X18	290-102556 1188.87	300-102556 1447.70	3301-858P 2031.67
	24	290-102570 2196.02	300-102570 2532.84	3301-240P 2588.83
	24X2	290-102559 871.85	300-102559 1030.37	3301-901P 1113.11
	24X3	290-102560 927.78	300-102560 1086.33	3301-903P 1169.07
	24X4	290-102561 980.27	300-102561 1169.07	3301-904P 1253.02
	24X6	290-102562 1032.73	300-102562 1253.02	3301-906P 1335.78
	24X8	290-102563 1100.32	300-102563 1335.78	3301-908P 1447.70
	24X10	290-102564 1132.94	300-102564 1447.70	3301-910P 1558.40
	24X12	290-102565 1225.05	300-102565 1558.40	3301-912P 1670.29
	24X15	290-102566 1345.06	300-102566 1698.29	3301-915P 1837.01
	24X18	290-102567 1531.60	300-102567 1920.90	3301-918P 2087.60
	24X21	290-102569 1722.72	300-102569 2058.40	3301-921P 2476.90
	27	2901-270 3326.81	3001-270 3941.39	3301-270P 4876.79
	27X4	2901-934 1186.14	3001-934 1489.27	3301-934P 1860.13
	27X6	2901-936 1251.55	3001-936 1603.40	3301-936P 2004.07
	27X8	2901-938 1332.24	3001-938 1716.30	3301-938P 2146.71
	27X10	2901-940 1349.89	3001-940 1835.18	3301-940P 2295.26
	27X12	2901-942 1483.59	3001-942 1982.66	3301-942P 2478.27
	27X15	2901-945 1628.41	3001-945 2182.34	3301-945P 2729.00
	27X18	2901-948 1855.27	3001-948 2474.62	3301-948P 3092.68
	27X21	2901-951 2087.30	3001-951 2632.73	3301-951P 3290.14
	27X24	2901-954 2661.28	3001-954 3250.83	3301-954P 4062.60

Tee (Gasket x Spigot x Gasket)

	6	290-103062 174.82	300-103062 180.64	3301-060232P 192.74
	6X4	290-103061 151.50	300-103061 169.00	3301-532232P 182.11
	8	290-103067 221.47	300-103067 241.30	3301-080232P 289.83

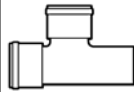
**Turf & Irrigation
PVC 80, 100 & 125 PSI PIP Fabricated Fittings**



Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Tee (Gasket x Spigot x Gasket) (continued)

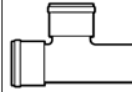
8X4	290-103065 186.50	300-103065 205.11	3301-582232P 217.55
8X6	290-103066 209.81	300-103066 216.80	3301-585232P 253.67
10	290-103073 331.03	300-103073 367.17	3301-100232P 434.99
10X4	290-103070 289.06	300-103070 300.71	3301-624232P 314.49
10X6	290-103071 294.86	300-103071 313.52	3301-626232P 349.69
10X8	290-103072 325.18	300-103072 336.85	3301-628232P 380.11
12	290-103080 456.89	300-103080 498.87	3301-120232P 603.18
12X4	290-103076 336.85	300-103076 378.78	3301-664232P 422.02
12X6	290-103077 346.16	300-103077 391.60	3301-666232P 452.80
12X8	290-103078 400.95	300-103078 403.29	3301-668232P 482.73
12X10	290-103079 412.62	300-103079 445.23	3301-670232P 542.97
15	290-103088 729.65	300-103088 902.17	3301-150232P 1081.63
15X4	290-103083 540.83	300-103083 571.10	3301-724232P 751.79
15X6	290-103084 547.56	300-103084 662.05	3301-726232P 799.56
15X8	290-103085 576.94	300-103085 673.71	3301-728232P 829.88
15X10	290-103086 621.22	300-103086 691.21	3301-730232P 871.85
15X12	290-103087 662.05	300-103087 751.79	3301-732232P 927.46
18	290-103097 1163.24	300-103097 1352.07	3301-180232P 1742.56
18X4	290-103091 701.67	300-103091 782.10	3301-784232P 961.59
18X6	290-103092 751.79	300-103092 841.53	3301-786232P 1052.52
18X8	290-103093 768.12	300-103093 949.97	3301-788232P 1142.28
18X10	290-103094 854.38	300-103094 991.91	3301-790232P 1232.03
18X12	290-103095 926.63	300-103095 1052.52	3301-792232P 1292.67
18X15	290-103096 968.59	300-103096 1111.96	3301-795232P 1382.38
21	2901-210232 1831.15	3001-210232 2253.15	3301-210232P 2751.97
21X4	290-103110 1088.68	300-103110 1322.97	3301-844232P 1592.21
21X6	290-103111 1100.32	300-103111 1352.07	3301-846232P 1622.50
21X8	290-103112 1158.59	300-103112 1424.36	3301-848232P 1700.59
21X10	290-103113 1194.72	300-103113 1442.99	3301-850232P 1755.35
21X12	290-103114 1311.32	300-103114 1532.76	3301-852232P 1923.24
21X15	290-103115 1419.71	300-103115 1592.21	3301-855232P 2073.57
21X18	290-103116 1606.19	300-103116 1923.24	3301-858232P 2344.03
24	2901-240232 4106.82	3001-240232 4350.38	3301-240232P 5931.06
24X6	2901-906232 2920.44	3001-906232 3309.15	3301-906232P 4136.48
24X8	2901-908232 3073.54	3001-908232 3431.50	3301-908232P 4350.24
24X10	2901-910232 3230.73	3001-910232 3493.43	3301-910232P 4635.49
24X12	2901-912232 3405.06	3001-912232 3584.90	3301-912232P 4841.15



Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

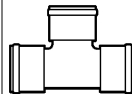
Tee (Gasket x Spigot x Gasket) (continued)

24X15	2901-915232 3583.52	3001-915232 3738.26	3301-915232P 5086.01
24X18	2901-918232 3769.05	3001-918232 3921.24	3301-918232P 5330.95
24X21	2901-921232 3968.76	3001-921232 4167.28	3301-921232P 5637.49
27	2901-270232 6177.95	3001-270232 6892.78	3301-270232P 8731.54
27X6	2901-936232 3650.16	3001-936232 4136.36	3301-936232P 5208.48
27X8	2901-938232 3841.47	3001-938232 4350.32	3301-938232P 5453.27
27X10	2901-940232 4038.95	3001-940232 4595.22	3301-940232P 5698.17
27X12	2901-942232 4257.59	3001-942232 4841.19	3301-942232P 5973.87
27X15	2901-945232 4480.97	3001-945232 5086.01	3301-945232P 6189.00
27X18	2901-948232 4712.84	3001-948232 5361.72	3301-948232P 6678.74
27X21	2901-951232 4961.28	3001-951232 5637.61	3301-951232P 7046.03
27X24	2901-954232 5222.72	3001-954232 5882.48	3301-954232P 7444.30



Tee (Gasketed)

6	290-103174 174.82	300-103174 180.64	3301-0602P 192.74
6X4	290-103173 151.50	300-103173 169.00	3301-5322P 182.11
8	290-103179 221.47	300-103179 241.30	3301-0802P 289.83
8X4	290-103177 186.50	300-103177 205.11	3301-5822P 217.55
8X6	290-103178 209.81	300-103178 216.80	3301-5852P 253.67
10	290-103185 331.03	300-103185 367.17	3301-1002P 434.99
10X4	290-103182 289.06	300-103182 300.71	3301-6242P 314.49
10X6	290-103183 294.86	300-103183 313.52	3301-6262P 349.69
10X8	290-103184 325.18	300-103184 336.85	3301-6282P 380.11
12	290-103192 456.89	300-103192 498.87	3301-1202P 603.18
12X4	290-103188 336.85	300-103188 378.78	3301-6642P 422.02
12X6	290-103189 346.16	300-103189 391.60	3301-6662P 452.79
12X8	290-103190 400.95	300-103190 403.29	3301-6682P 482.73
12X10	290-103191 412.62	300-103191 445.23	3301-6702P 542.97
15	290-103200 729.65	300-103200 902.17	3301-1502P 1081.63
15X4	290-103195 540.83	300-103195 571.10	3301-7242P 751.79
15X6	290-103196 547.56	300-103196 662.05	3301-7262P 799.56
15X8	290-103197 576.94	300-103197 673.71	3301-7282P 829.88
15X10	290-103198 621.22	300-103198 691.21	3301-7302P 871.85
15X12	290-103199 662.05	300-103199 751.79	3301-7322P 931.31
18	290-103209 1163.24	300-103209 1352.07	3301-1802P 1742.56
18X4	290-103203 701.67	300-103203 782.10	3301-7842P 961.59
18X6	290-103204 751.79	300-103204 841.53	3301-7862P 1052.52
18X8	290-103205 768.12	300-103205 949.97	3301-7882P 1142.28

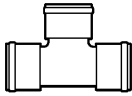




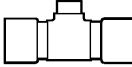
Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Tee (Gasketed) (continued)

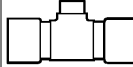
	18X10	290-103206 854.38	300-103206 991.91	3301-7902P 1232.03
	18X12	290-103207 926.63	300-103207 1052.52	3301-7922P 1292.67
	18X15	290-103208 968.59	300-103208 1111.96	3301-7952P 1382.38
	21	290-103230 1831.15	300-103230 2253.15	3301-2102P 2751.97
	21X4	290-103222 1088.68	300-103222 1322.97	3301-8442P 1592.21
	21X6	290-103223 1100.32	300-103223 1352.07	3301-8462P 1622.50
	21X8	290-103224 1158.59	300-103224 1424.36	3301-8482P 1700.59
	21X10	290-103225 1194.72	300-103225 1442.99	3301-8502P 1755.35
	21X12	290-103226 1311.32	300-103226 1532.76	3301-8522P 1923.24
	21X15	290-103227 1419.71	300-103227 1592.21	3301-8552P 2073.57
	21X18	290-103228 1606.19	300-103228 1923.24	3301-8582P 2344.03
	24	2901-2402 4106.82	3001-2402 4350.38	3301-2402P 5931.06
	24X6	2901-9062 2920.44	3001-9062 3309.15	3301-9062P 4136.48
	24X8	2901-9082 3073.54	3001-9082 3431.50	3301-9082P 4350.24
	24X10	2901-9102 3230.73	3001-9102 3493.43	3301-9102P 4635.49
	24X12	2901-9122 3405.06	3001-9122 3584.90	3301-9122P 4841.15
	24X15	2901-9152 3583.52	3001-9152 3738.26	3301-9152P 5086.01
	24X18	2901-9182 3769.05	3001-9182 3921.24	3301-9182P 5330.95
	24X21	2901-9212 3968.76	3001-9212 4167.28	3301-9212P 5637.49
	27	2901-2702 6177.95	3001-2702 6892.78	3301-2702P 8731.54
	27X6	2901-9362 3650.16	3001-9362 4136.36	3301-9362P 5208.48
	27X8	2901-9382 3841.47	3001-9382 4350.32	3301-9382P 5453.27
	27X10	2901-9402 4038.95	3001-9402 4595.22	3301-9402P 5698.17
	27X12	2901-9422 4257.59	3001-9422 4841.19	3301-9422P 5973.87
	27X15	2901-9452 4480.97	3001-9452 5086.01	3301-9452P 6189.00
	27X18	2901-9482 4712.84	3001-9482 5361.72	3301-9482P 6678.74
	27X21	2901-9512 4961.28	3001-9512 5637.61	3301-9512P 7046.03
	27X24	2901-9542 5222.72	3001-9542 5882.48	3301-9542P 7444.30

Reinforced Tee (Soc x Soc x Fipt)

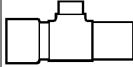
	6X2	---	300-202152 71.51	3302-528P 108.81
	6X3	---	300-202154 78.05	3302-530P 124.68
	6X4	---	300-202155 87.40	3302-532P 128.20
	8X2	---	300-202157 108.39	3302-578P 176.11
	8X3	---	300-202159 114.19	3302-580P 188.05
	8X4	---	300-202160 123.54	3302-582P 159.46
	10X2	---	300-202162 148.04	3302-621P 198.81
	10X3	---	300-202164 181.80	3302-623P 246.26

Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Reinforced Tee (Soc x Soc x Fipt) (continued)

	10X4	---	300-202165 194.65	3302-624P 242.32
	12X2	---	300-202167 226.11	3302-661P 244.70
	12X3	---	300-202169 250.56	3302-663P 268.99
	12X4	---	300-202170 286.71	3302-664P 314.82
	15X2	---	300-202172 372.67	3302-721P 431.23
	15X3	---	300-202174 396.43	3302-723P 454.57
	15X4	---	300-202175 425.13	3302-724P 466.26

Reinforced Tee (Soc x Spig x Fipt)

	6X2	---	300-202222 59.45	---
	6X3	---	300-202224 69.93	---
	6X4	---	300-202225 81.56	---
	8X2	---	300-202227 95.56	---
	8X3	---	300-202229 104.89	---
	8X4	---	300-202230 114.19	---
	10X2	---	300-202232 142.13	---
	10X3	---	300-202234 173.68	---
	10X4	---	300-202235 184.15	---
	12X2	---	300-202237 212.11	---
	12X3	---	300-202239 242.41	---
	12X4	---	300-202240 276.24	---
	15X2	---	300-202242 370.63	3302-72113P 419.61
	15X3	---	300-202244 392.79	3302-72313P 448.76
	15X4	---	300-202245 418.41	3302-72413P 460.38

Reinforced Tee (Gasket x Spig x Fipt)

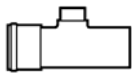
	6X2	---	300-202362 102.54	---
	6X3	---	300-202364 132.86	---
	6X4	---	300-202365 138.71	---
	8X2	---	300-202367 144.52	---
	8X3	---	300-202369 169.00	---
	8X4	---	300-202370 186.50	---
	10X2	---	300-202372 216.80	---
	10X3	---	300-202374 228.43	---
	10X4	---	300-202375 237.74	---
	12X2	---	300-202377 300.71	---
	12X3	---	300-202379 325.18	---
	12X4	---	300-202380 336.85	---
	15X2	---	300-202382 420.77	3302-72123P 512.57
	15X3	---	300-202384 445.23	3302-72323P 549.33

**Turf & Irrigation
PVC 80, 100 & 125 PSI PIP Fabricated Fittings**

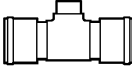


	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

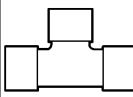
Reinforced Tee (Gasket x Spig x Fipt) (continued)

	15X4	---	300-202385 481.37	3302-72423P 598.96
---	------	-----	----------------------	-----------------------

Reinforced Tee (Gasket x Fipt)

	6X2	---	300-202432 108.39	---
	6X3	---	300-202434 132.86	---
	6X4	---	300-202435 144.52	---
	8X2	---	300-202437 163.16	---
	8X3	---	300-202439 178.33	---
	8X4	---	300-202440 192.30	---
	10X2	---	300-202442 235.41	---
	10X3	---	300-202444 258.73	---
	10X4	---	300-202445 277.37	---
	12X2	---	300-202447 331.03	---
	12X3	---	300-202449 348.48	---
	12X4	---	300-202450 373.00	---
	15X2	---	300-202452 481.37	3302-7212P 588.15
	15X3	---	300-202454 498.87	3302-7232P 639.05
	15X4	---	300-202455 523.36	3302-7242P 672.05

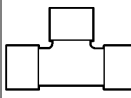
PIP X IPS Tee (Socket)



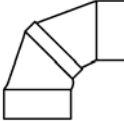
	6	2901-060PXi 79.97	3001-060PXi 101.79	3301-060PXi 102.34
	8	2901-080PXi 146.71	3001-080PXi 204.52	3301-080PXi 205.17
	8X6	2901-585PXi 102.95	3001-585PXi 123.54	3301-585PXi 159.79
	10	2901-100PXi 199.38	3001-100PXi 241.30	3301-100PXi 306.26
	10X6	2901-626PXi 141.31	300-102821 157.34	3301-626PXi 218.76
	10X8	2901-628PXi 163.26	3001-628PXi 322.99	3301-628PXi 271.30
	12	2901-120PXi 300.71	3001-120PXi 384.60	3301-120PXi 452.63
	12X6	2901-666PXi 238.96	300-102599 245.90	3301-666PXi 318.47
	12X8	2901-668PXi 222.40	300-102607 290.21	3301-668PXi 377.01
	12X10	2901-670PXi 272.73	3001-670PXi 334.50	3301-670PXi 418.29
	15X6	2901-726PXi 290.31	300-102708 370.63	3301-726PXi 450.31
	15X8	2901-728PXi 335.24	300-102709 467.53	3301-728PXi 518.26
	15X10	2901-730PXi 380.17	3001-730PXi 490.72	3301-730PXi 586.16
	15X12	2901-732PXi 434.93	300-102817 551.34	3301-732PXi 676.60
	18X6	2901-786PXi 502.88	3001-786PXi 581.61	3301-786PXi 696.83
	18X8	2901-788PXi 523.72	3001-788PXi 606.09	3301-788PXi 777.90
	18X10	2901-790PXi 588.61	3001-790PXi 651.56	3301-790PXi 850.21

	Size	80 PIP Disc Code: 310 Part Number Price Each	100 PIP Disc Code: 320 Part Number Price Each	125 PIP Disc Code: 330 Part Number Price Each
--	------	---	--	--

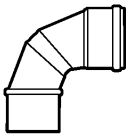
PIP X IPS Tee (Socket) (continued)

	18X12	2901-792PXi 651.56	3001-792PXi 773.96	3301-792PXi 955.39
	21X6	2901-846PXi 741.31	3001-846PXi 1024.18	3301-846PXi 1080.33
	21X8	2901-848PXi 743.93	3001-848PXi 1054.84	3301-848PXi 1125.23
	21X10	2901-850PXi 843.86	3001-850PXi 1094.47	3301-850PXi 1177.84
	21X12	2901-852PXi 868.86	3001-852PXi 1104.98	3301-852PXi 1464.90
	24X6	2901-906PXi 1032.73	3001-906PXi 1253.02	3301-906PXi 1255.63
	24X8	2901-908PXi 1100.32	3001-908PXi 1335.78	3301-908PXi 1360.84
	24X10	2901-910PXi 1132.94	3001-910PXi 1447.70	3301-910PXi 1464.90
	24X12	2901-912PXi 1151.55	3001-912PXi 1558.40	3301-912PXi 1570.07

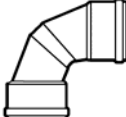
90° Elbow (Socket)

	6	290-100812 115.39	300-100812 135.21	3306-060P 167.63
	8	290-100813 156.18	300-100813 213.32	3306-080P 243.24
	10	290-100814 256.43	300-100814 300.71	3306-100P 335.67
	12	290-100815 329.81	300-100815 421.90	3306-120P 436.69
	15	290-100816 550.16	300-100816 653.90	3306-150P 748.30
	18	290-100817 827.55	300-100817 974.39	3306-180P 1280.97
	21	290-100819 1294.96	300-100819 1570.04	3306-210P 1929.07
	24	290-100820 2894.21	300-100820 3451.37	3306-240P 3635.49
	27	2906-270 3083.16	3006-270 3660.88	3306-270P 4047.28

90° Elbow (Gasket x Spigot)

	6	290-100878 139.82	300-100878 151.50	3306-06023P 222.98
	8	290-100879 221.47	300-100879 242.41	3306-08023P 289.70
	10	290-100880 329.81	300-100880 374.12	3306-10023P 447.49
	12	290-100881 448.76	300-100881 531.50	3306-12023P 643.82
	15	290-100882 860.21	300-100882 1086.33	3306-15023P 1225.05
	18	290-100883 1442.99	300-100883 1670.29	3306-18023P 1698.29
	21	290-100885 2091.09	300-100885 2507.23	3306-21023P 3028.27
	24	2906-24023 3337.52	3006-24023 3792.89	3306-24023P 4742.61
	27	2906-27023 4528.65	3006-27023 5245.46	3306-27023P 6235.45

90° Elbow (Gasketed)

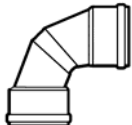
	6	290-100900 139.82	300-100900 151.50	3306-0602P 222.98
	8	290-100901 221.47	300-100901 242.41	3306-0802P 289.70
	10	290-100902 329.81	300-100902 374.12	3306-1002P 447.49
	12	290-100903 448.76	300-100903 531.50	3306-1202P 643.82
	15	290-100904 860.21	300-100904 1086.33	3306-1502P 1225.05
	18	290-100905 1442.99	300-100905 1670.29	3306-1802P 1698.29
	21	290-100907 2091.09	300-100907 2507.23	3306-2102P 3028.27
	24	2906-2402 3337.52	3006-2402 3792.89	3306-2402P 4742.61



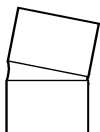
Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

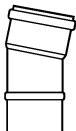
90° Elbow (Gasketed) (continued)

	27	2906-2702 4528.65	3006-2702 5245.46	3306-2702P 6235.45
---	----	----------------------	----------------------	-----------------------

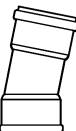
11-1/4° Elbow (Socket)

	6	290-100114 31.49	300-100114 37.27	3311-060P 46.14
	8	290-100115 51.24	300-100115 55.91	3311-080P 68.67
	10	290-100116 92.03	300-100116 106.05	3311-100P 133.02
	12	290-100117 130.50	300-100117 148.04	3311-120P 183.07
	15	290-100118 202.80	300-100118 248.23	3311-150P 322.86
	18	290-100119 348.48	300-100119 412.62	3311-180P 512.86
	21	290-100121 581.61	300-100121 663.19	3311-210P 863.71
	24	290-100122 782.10	300-100122 863.71	3311-240P 932.46
	27	2911-270 980.55	3011-270 1047.29	3311-270P 1362.20

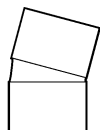
11-1/4° Elbow (Gasket x Spigot)

	6	290-100186 93.23	300-100186 114.19	3311-06023P 132.99
	8	290-100187 151.50	300-100187 169.00	3311-08023P 197.91
	10	290-100188 227.28	300-100188 250.56	3311-10023P 290.39
	12	290-100189 308.84	300-100189 361.32	3311-12023P 419.88
	15	290-100190 544.33	300-100190 596.76	3311-15023P 706.35
	18	290-100191 862.52	300-100191 988.41	3311-18023P 1174.93
	21	290-100193 1273.97	300-100193 1370.76	3311-21023P 1782.19
	24	2911-24023 2108.47	3011-24023 2386.01	3311-24023P 2995.09
	27	2911-27023 2727.97	3011-27023 3085.71	3311-27023P 3729.26

11-1/4° Elbow (Gasketed)

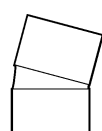
	6	290-100210 93.23	300-100210 114.19	3311-0602P 132.99
	8	290-100211 151.50	300-100211 169.00	3311-0802P 197.91
	10	290-100212 227.28	300-100212 250.56	3311-1002P 290.39
	12	290-100213 308.84	300-100213 361.32	3311-1202P 419.88
	15	290-100214 544.33	300-100214 596.76	3311-1502P 706.35
	18	290-100215 862.52	300-100215 988.41	3311-1802P 1174.93
	21	290-100217 1273.97	300-100217 1370.76	3311-2102P 1782.19
	24	2911-2402 2108.47	3011-2402 2386.01	3311-2402P 2995.09
	27	2911-2702 2727.97	3011-2702 3085.71	3311-2702P 3729.26

15° Elbow (Socket)

	6	290-100234 31.49	300-100234 37.27	3318-060P 46.14
	8	290-100235 51.24	300-100235 55.91	3318-080P 68.67
	10	290-100236 92.03	300-100236 106.05	3318-100P 133.02
	12	290-100237 130.50	300-100237 148.04	3318-120P 183.07

Size	80 PSI	100 PSI	125 PIP
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

15° Elbow (Socket) (continued)

	15	290-100238 202.80	300-100238 248.23	3318-150P 322.86
	18	290-100239 348.48	300-100239 412.62	3318-180P 512.86
	21	290-100241 581.61	300-100241 663.19	3318-210P 863.71
	24	290-100242 782.10	300-100242 863.71	3318-240P 932.46
	27	2918-270 980.55	3018-270 1047.29	3318-270P 1362.20

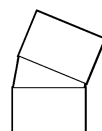
15° Elbow (Gasket x Spigot)

	6	290-100306 93.23	300-100306 114.19	3318-06023P 132.99
	8	290-100307 151.50	300-100307 169.00	3318-08023P 197.91
	10	290-100308 227.28	300-100308 250.56	3318-10023P 290.39
	12	290-100309 308.84	300-100309 361.32	3318-12023P 419.88
	15	290-100310 544.33	300-100310 596.76	3318-15023P 706.35
	18	290-100311 862.52	300-100311 988.41	3318-18023P 1174.93
	21	290-100313 1273.97	300-100313 1370.76	3318-21023P 1782.19
	24	2918-24023 2108.47	3018-24023 2386.01	3318-24023P 2995.09
	27	2918-27023 2727.97	3018-27023 3085.71	3318-27023P 3729.26

15° Elbow (Gasketed)

	6	290-100330 93.23	300-100330 114.19	3318-0602P 132.99
	8	290-100331 151.50	300-100331 169.00	3318-0802P 197.91
	10	290-100332 227.28	300-100332 250.56	3318-1002P 290.39
	12	290-100333 308.84	300-100333 361.32	3318-1202P 419.88
	15	290-100334 544.33	300-100334 596.76	3318-1502P 706.35
	18	290-100335 862.52	300-100335 988.41	3318-1802P 1174.93
	21	290-100336 1274.01	300-100336 1370.76	3318-2102P 1782.19
	24	2918-2402 2108.47	3018-2402 2386.01	3318-2402P 2995.09
	27	2918-2702 2727.97	3018-2702 3085.71	3318-2702P 3729.26

22-1/2° Elbow (Socket)

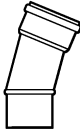
	6	290-100354 31.49	300-100354 37.27	3316-060P 45.45
	8	290-100355 51.24	300-100355 55.91	3316-080P 68.10
	10	290-100356 92.03	300-100356 106.05	3316-100P 133.02
	12	290-100357 130.50	300-100357 148.04	3316-120P 183.07
	15	290-100358 202.80	300-100358 248.23	3316-150P 322.86
	18	290-100359 348.48	300-100359 412.62	3316-180P 512.86
	21	290-100361 581.61	300-100361 663.19	3316-210P 863.71
	24	290-100362 782.10	300-100362 863.71	3316-240P 932.46
	27	2916-270 980.55	3016-270 1047.29	3316-270P 1362.20

**Turf & Irrigation
PVC 80, 100 & 125 PSI PIP Fabricated Fittings**



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

22-1/2° Elbow (Gasket x Spigot)

	6	290-100426 93.23	300-100426 114.19	3316-06023P 132.99
	8	290-100427 151.50	300-100427 169.00	3316-08023P 197.91
	10	290-100428 227.28	300-100428 250.56	3316-10023P 290.39
	12	290-100429 308.84	300-100429 361.32	3316-12023P 419.88
	15	290-100430 544.33	300-100430 596.76	3316-15023P 706.35
	18	290-100431 862.52	300-100431 988.41	3316-18023P 1174.93
	21	290-100433 1273.97	300-100433 1370.76	3316-21023P 1782.19
	24	2916-24023 2108.47	3016-24023 2386.01	3316-24023P 2995.09
	27	2916-27023 2727.97	3016-27023 3085.71	3316-27023P 3729.26

22-1/2° Elbow (Gasketed)

	6	290-100450 93.23	300-100450 114.19	3316-0602P 132.99
	8	290-100451 151.50	300-100451 169.00	3316-0802P 197.91
	10	290-100452 227.28	300-100452 250.56	3316-1002P 290.39
	12	290-100453 308.84	300-100453 361.32	3316-1202P 419.88
	15	290-100454 544.33	300-100454 596.76	3316-1502P 706.35
	18	290-100455 862.52	300-100455 988.41	3316-1802P 1174.93
	21	290-100457 1273.97	300-100457 1370.76	3316-2102P 1782.19
	24	2916-2402 2108.47	3016-2402 2386.01	3316-2402P 2995.09
	27	2916-2702 2727.97	3016-2702 3085.71	3316-2702P 3729.26

30° Elbow (Socket)

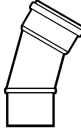
	6	290-100474 47.76	300-100474 50.12	3315-060P 64.11
	8	290-100475 72.29	300-100475 87.40	3315-080P 108.22
	10	290-100476 111.84	300-100476 131.69	3315-100P 163.80
	12	290-100477 160.81	300-100477 195.81	3315-120P 217.18
	15	290-100478 254.07	300-100478 304.21	3315-150P 376.46
	18	290-100479 414.94	300-100479 507.02	3315-180P 635.22
	21	290-100481 671.38	300-100481 818.27	3315-210P 1030.37
	24	290-100482 1915.10	300-100482 2226.30	3315-240P 2337.04
	27	2915-270 2110.82	3015-270 2374.79	3315-270P 2616.14

30° Elbow (Gasket x Spigot)

	6	290-100546 116.52	300-100546 134.04	3315-06023P 160.05
	8	290-100547 174.82	300-100547 189.97	3315-08023P 225.86
	10	290-100548 245.90	300-100548 272.73	3315-10023P 319.40
	12	290-100549 331.03	300-100549 388.14	3315-12023P 456.13
	15	290-100550 673.71	300-100550 785.61	3315-15023P 877.67
	18	290-100551 946.44	300-100551 1113.11	3315-18023P 1391.68
	21	290-100553 1410.36	300-100553 1204.94	3315-21023P 1981.52
	24	2915-24023 2262.72	3015-24023 3102.89	3315-24023P 3214.02

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

30° Elbow (Gasket x Spigot) (continued)

	27	2915-27023 3057.07	3015-27023 3567.53	3315-27023P 4177.83
---	----	-----------------------	-----------------------	------------------------

30° Elbow (Gasketed)

	6	290-100570 116.52	300-100570 134.04	3315-0602P 160.05
	8	290-100571 174.82	300-100571 189.97	3315-0802P 225.86
	10	290-100572 245.90	300-100572 272.73	3315-1002P 319.40
	12	290-100573 331.03	300-100573 388.14	3315-1202P 456.13
	15	290-100574 673.71	300-100574 785.61	3315-1502P 877.67
	18	290-100575 946.44	300-100575 1113.11	3315-1802P 1391.68
	21	290-100577 1410.36	300-100577 1204.94	3315-2102P 1981.52
	24	2915-2402 2262.97	3015-2402 3102.89	3315-2402P 3214.02
	27	2915-2702 3057.07	3015-2702 3567.53	3315-2702P 4177.83

45° Elbow (Socket)

	6	290-100592 47.76	300-100592 50.12	3317-060P 64.13
	8	290-100593 72.29	300-100593 87.40	3317-080P 108.22
	10	290-100594 111.84	300-100594 131.69	3317-100P 163.80
	12	290-100595 160.81	300-100595 195.81	3317-120P 217.18
	15	290-100596 254.07	300-100596 304.21	3317-150P 376.46
	18	290-100597 414.94	300-100597 507.02	3317-180P 635.22
	21	290-100599 671.38	300-100599 818.27	3317-210P 1030.37
	24	290-100600 1915.10	300-100600 2226.30	3317-240P 2337.04
	27	2917-270 2110.82	3017-270 2374.79	3317-270P 2616.14

45° Elbow (Gasket x Spigot)

	6	290-100658 116.52	300-100658 134.04	3317-06023P 160.05
	8	290-100659 174.82	300-100659 189.97	3317-08023P 225.86
	10	290-100660 245.90	300-100660 272.73	3317-10023P 319.40
	12	290-100661 331.03	300-100661 388.14	3317-12023P 456.13
	15	290-100662 673.71	300-100662 785.61	3317-15023P 877.67
	18	290-100663 946.44	300-100663 1113.11	3317-18023P 1391.68
	21	290-100665 1410.36	300-100665 1204.94	3317-21023P 1981.52
	24	2917-24023 2262.97	3017-24023 3102.89	3317-24023P 3214.02
	27	2917-27023 3057.07	3017-27023 3567.53	3317-27023P 4177.83



Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

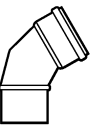
45° Elbow (Gasketed) (continued)

	15	290-100684 673.71	300-100684 785.61	3317-1502P 877.67
	18	290-100685 946.44	300-100685 1113.11	3317-1802P 1391.68
	21	290-100687 1410.36	300-100687 1677.31	3317-2102P 1981.52
	24	2917-2402 2262.97	3017-2402 3102.89	3317-2402P 3214.02
	27	2917-2702 3057.07	3017-2702 3567.53	3317-2702P 4177.83

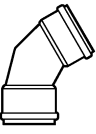
60° Elbow (Socket)

	6	290-100702 115.39	300-100702 135.21	3324-060P 167.63
	8	290-100703 156.18	300-100703 213.32	3324-080P 243.21
	10	290-100704 256.43	300-100704 300.71	3324-100P 335.67
	12	290-100705 329.81	300-100705 421.90	3324-120P 436.69
	15	290-100706 550.16	300-100706 653.90	3324-150P 748.30
	18	290-100707 827.55	300-100707 974.39	3324-180P 1280.97
	21	290-100709 1294.96	300-100709 1570.04	3324-210P 1929.07
	24	290-100710 2894.21	300-100710 3451.37	3324-240P 3635.49
	27	2924-270 3083.16	3024-270 3660.88	3324-270P 4047.28

60° Elbow (Gasket x Spigot)

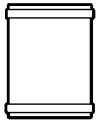
	6	290-100768 139.82	300-100768 151.50	3324-06023P 222.98
	8	290-100769 221.47	300-100769 242.41	3324-08023P 289.70
	10	290-100770 329.81	300-100770 374.12	3324-10023P 447.49
	12	290-100771 448.76	300-100771 531.50	3324-12023P 643.82
	15	290-100772 860.21	300-100772 1086.33	3324-15023P 1225.05
	18	290-100773 1442.99	300-100773 1670.29	3324-18023P 1698.29
	21	290-100775 2091.09	300-100775 2507.23	3324-21023P 3028.27
	24	2924-24023 3337.52	3024-24023 3792.89	3324-24023P 4742.61
	27	2924-27023 4528.65	3024-27023 5245.46	3324-27023P 6235.45

60° Elbow (Gasketed)

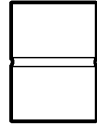
	6	290-100790 139.82	300-100790 151.50	3324-0602P 222.98
	8	290-100791 221.47	300-100791 242.41	3324-0802P 289.70
	10	290-100792 329.81	300-100792 374.12	3324-1002P 447.49
	12	290-100793 448.76	300-100793 531.50	3324-1202P 643.82
	15	290-100794 860.21	300-100794 1086.33	3324-1502P 1225.05
	18	290-100795 1442.99	300-100795 1670.29	3324-1802P 1698.29
	21	290-100797 2091.09	300-100797 2507.23	3324-2102P 3028.27
	24	2924-2402 3337.52	3024-2402 3792.89	3324-2402P 4742.61
	27	2924-2702 4528.65	3024-2702 5245.46	3324-2702P 6235.45

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

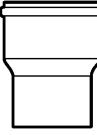
Repair Coupling (Gasketed)

	6	2928-060 93.33	3028-060 106.05	3328-060P 121.20
	8	2928-080 130.74	3028-080 150.33	3328-080P 180.61
	10	2928-100 225.70	3028-100 241.30	3328-100P 284.61
	12	2928-120 314.82	3028-120 331.03	3328-120P 394.11
	15	2928-150 469.73	3028-150 493.07	3328-150P 596.76
	18	2928-180 782.63	3028-180 902.17	3328-180P 1242.34
	21	2928-210 1081.41	3028-210 1298.29	3328-210P 1745.67
	24	2928-240 1499.19	3028-240 1800.18	3328-240P 2441.62
	27	2928-270 1919.96	3028-270 2396.76	3328-270P 3051.06

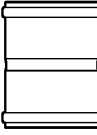
Coupling (Socket)

	6	290-100002 27.97	300-100002 31.49	3329-060P 41.72
	8	290-100003 34.95	300-100003 43.09	3329-080P 53.06
	10	290-100004 58.26	300-100004 68.77	3329-100P 84.90
	12	290-100005 87.40	300-100005 106.05	3329-120P 137.84
	15	290-100006 132.86	300-100006 181.80	3329-150P 207.09
	18	290-100007 304.21	300-100007 382.32	3329-180P 466.16
	21	290-100009 404.44	300-100009 667.88	3329-210P 754.06
	24	290-100010 709.81	300-100010 890.49	3329-240P 906.89
	27	2929-270 860.47	3029-270 1072.06	3329-270P 1656.01

Coupling (Gasket x Spigot)

	6	290-100068 58.26	300-100068 61.76	3329-06023P 77.28
	8	290-100069 88.54	300-100069 95.56	3329-08023P 122.33
	10	290-100070 131.69	300-100070 139.82	3329-10023P 181.67
	12	290-100071 161.98	300-100071 189.97	3329-12023P 238.44
	15	290-100072 250.56	300-100072 378.78	3329-15023P 440.60
	18	290-100073 420.77	300-100073 512.86	3329-18023P 579.71
	21	290-100075 615.44	300-100075 796.09	3329-21023P 883.44
	24	2929-24023 751.79	3029-24023 1001.20	3329-24023P 1251.02
	27	2929-27023 976.24	3029-27023 1220.16	3329-27023P 1525.47

Coupling (Gasketed)

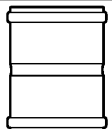
	6	290-100090 69.93	300-100090 78.05	3329-0602P 101.00
	8	290-100091 128.20	300-100091 144.67	3329-0802P 165.89
	10	290-100092 164.06	300-100092 184.15	3329-1002P 243.90
	12	290-100093 206.32	300-100093 269.50	3329-1202P 271.30
	15	290-100094 332.16	300-100094 495.35	3329-1502P 515.15
	18	290-100095 554.80	300-100095 585.14	3329-1802P 731.55
	21	290-100097 693.52	300-100097 946.44	3329-2102P 1076.74
	24	2929-2402 1164.46	3029-2402 1259.88	3329-2402P 1512.11

Turf & Irrigation **PVC 80, 100 & 125 PSI PIP Fabricated Fittings**

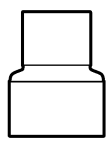


Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Coupling (Gasketed) (continued)

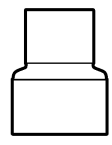
	27	2929-2702 1341.97	3029-2702 1574.85	3329-2702P 1969.46
---	-----------	-----------------------------	-----------------------------	------------------------------

Reducer Coupling (Socket)

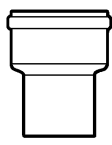
	6X4	2929-532 34.43	3029-532 38.46	3329-532P 41.01
	8X4	2929-582 97.90	300-100927 105.04	3329-582P 122.21
	8X6	2929-585 50.97	300-100928 59.45	3329-585P 68.91
	10X4	2929-624 134.67	3029-624 156.16	3329-624P 171.61
	10X6	2929-626 111.35	300-100930 122.33	3329-626P 120.19
	10X8	2929-628 70.01	300-100931 81.56	3329-628P 152.40
	12X4	2929-664 193.29	3029-664 201.60	3329-664P 293.97
	12X6	2929-666 177.23	300-100933 188.83	3329-666P 272.28
	12X8	2929-668 123.50	300-100934 130.90	3329-668P 238.33
	12X10	2929-670 101.99	300-100935 117.71	3329-670P 224.84
	15X4	2929-724 416.74	3029-724 445.93	3329-724P 528.50
	15X6	2929-726 393.99	3029-726 421.57	3329-726P 458.72
	15X8	2929-728 369.74	3029-728 399.33	3329-728P 430.37
	15X10	2929-730 255.10	3029-730 319.35	3329-730P 347.36
	15X12	2929-732 164.67	300-100940 189.97	3329-732P 327.71
	18X4	2929-784 810.98	3029-784 910.67	3329-784P 964.51
	18X6	2929-786 844.62	3029-786 891.07	3329-786P 944.44
	18X8	2929-788 778.60	3029-788 825.32	3329-788P 883.10
	18X10	2929-790 501.05	3029-790 540.24	3329-790P 610.51
	18X12	2929-792 491.19	3029-792 507.46	3329-792P 575.36
	18X15	2929-795 295.17	300-100946 346.16	3329-795P 420.77
	21X4	2929-844 1030.07	3029-844 1085.69	3329-844P 1172.56
	21X6	2929-846 986.80	3029-846 1046.00	3329-846P 1114.00
	21X8	2929-848 823.57	3029-848 865.10	3329-848P 887.83
	21X10	2929-850 762.90	3029-850 805.63	3329-850P 832.93
	21X12	2929-852 768.18	3029-852 737.81	3329-852P 782.09
	21X15	2929-855 676.36	3029-855 716.86	3329-855P 859.59
	21X18	2929-858 407.12	300-100960 476.70	3329-858P 597.97
	24X6	2929-906 1633.93	3029-906 1742.51	3329-906P 1899.33
	24X8	2929-908 1550.21	3029-908 1625.68	3329-908P 1714.55
	24X10	2929-910 1475.67	3029-910 1555.35	3329-910P 1670.10
	24X12	2929-912 1291.64	3029-912 1368.78	3329-912P 1461.85
	24X15	2929-915 939.70	3029-915 1014.88	3329-915P 1027.45

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Reducer Coupling (Socket) (continued)

	24X18	2929-918 891.66	3029-918 954.07	3329-918P 1018.56
	24X21	2929-921 603.54	300-100969 701.67	3329-921P 853.19
	27X6	2929-936 2124.46	3029-936 2267.99	3329-936P 2449.44
	27X8	2929-938 1976.05	3029-938 2144.91	3329-938P 2290.47
	27X10	2929-940 1852.65	3029-940 1973.84	3329-940P 2109.94
	27X12	2929-942 1740.57	3029-942 1845.01	3329-942P 1992.31
	27X15	2929-945 1371.10	3029-945 1465.06	3329-945P 1563.29
	27X18	2929-948 1286.20	3029-948 1375.65	3329-948P 1447.91
	27X21	2929-951 1066.72	3029-951 1277.61	3329-951P 1365.96
	27X24	2929-954 829.68	3029-954 1034.71	3329-954P 1290.29

Reducer Coupling (Gasket x Spigot)

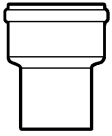
	6X4	2929-53223 82.99	300-101310 85.07	3329-53223P 121.31
	8X4	2929-58223 188.49	300-100927 105.04	3329-58223P 235.03
	8X6	2929-58523 99.89	300-101312 121.20	3329-58523P 157.39
	10X4	2929-62423 275.51	3029-62423 300.31	3329-62423P 330.01
	10X6	2929-62623 214.14	300-100930 122.33	3329-62623P 268.52
	10X8	2929-62823 162.82	300-101315 174.82	3329-62823P 240.54
	12X4	2929-66423 371.70	3029-66423 387.69	3329-66423P 543.56
	12X6	2929-66623 340.82	300-100933 188.83	3329-66623P 523.60
	12X8	2929-66823 237.49	300-100934 130.90	3329-66823P 458.33
	12X10	2929-67023 228.05	300-101319 256.43	3329-67023P 313.18
	15X4	2929-72423 801.44	3029-72423 857.55	3329-72423P 1081.22
	15X6	2929-72623 757.67	3029-72623 810.71	3329-72623P 829.23
	15X8	2929-72823 711.05	3029-72823 767.95	3329-72823P 815.32
	15X10	2929-73023 490.56	3029-73023 614.14	3329-73023P 712.17
	15X12	2929-73223 391.95	300-101324 426.60	3329-73223P 550.60
	18X4	2929-78423 1659.12	3029-78423 1751.29	3329-78423P 1854.82
	18X6	2929-78623 1624.26	3029-78623 1713.60	3329-78623P 1816.21
	18X8	2929-78823 1497.19	3029-78823 1587.14	3329-78823P 1698.26
	18X10	2929-79023 963.55	3029-79023 1038.94	3329-79023P 1174.06
	18X12	2929-79223 944.61	3029-79223 975.88	3329-79223P 1106.46
	18X15	2929-79523 690.33	300-101330 811.27	3329-79523P 841.53
	21X6	2929-84623 1897.68	3029-84623 2011.61	3329-84623P 2142.31
	21X8	2929-84823 1647.15	3029-84823 1662.99	3329-84823P 1707.37
	21X10	2929-85023 1467.13	3029-85023 1549.28	3329-85023P 1601.78
	21X12	2929-85223 1364.41	3029-85223 1418.86	3329-85223P 1504.01
	21X15	2929-85523 1300.69	3029-85523 1378.59	3329-85523P 1464.49



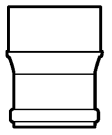
Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Reducer Coupling (Gasket x Spigot) (continued)

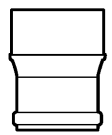
	21X15	2929-85523 1300.69	---	---
	21X18	2929-85823 1022.29	300-101344 1296.31	3329-85823P 1382.38
	24X6	2929-90623 3142.17	3029-90623 3350.97	3329-90623P 3652.01
	24X8	2929-90823 2981.18	3029-90823 3126.30	3329-90823P 3297.21
	24X10	2929-91023 2837.82	3029-91023 2990.39	3329-91023P 3211.72
	24X12	2929-91223 2483.91	3029-91223 2631.28	3329-91223P 2811.24
	24X15	2929-91523 1807.12	3029-91523 1951.70	3329-91523P 2554.67
	24X18	2929-91823 1714.72	3029-91823 1925.30	3329-91823P 2431.73
	24X21	2929-92123 1525.50	3029-92123 1892.93	3329-92123P 2318.56
	27X6	2929-93623 4085.49	3029-93623 4361.53	3329-93623P 4709.76
	27X8	2929-93823 3799.89	3029-93823 4124.30	3329-93823P 4402.87
	27X10	2929-94023 3562.79	3029-94023 3806.98	3329-94023P 4056.84
	27X12	2929-94223 3345.15	3029-94223 3547.55	3329-94223P 3830.49
	27X15	2929-94523 2635.64	3029-94523 2816.28	3329-94523P 3345.15
	27X18	2929-94823 2465.88	3029-94823 2644.34	3329-94823P 3235.63
	27X21	2929-95123 2180.76	3029-95123 2454.99	3329-95123P 3190.62
	27X24	2929-95423 2135.56	3029-95423 2685.26	3329-95423P 3157.11

Reducer Coupling (Spigot x Gasket)

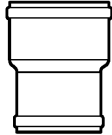
	6X4	2929-53232 79.04	300-101383 81.94	3329-53232P 105.44
	8X4	2929-58232 180.96	3029-58232 193.94	3329-58232P 225.63
	8X6	2929-58532 95.90	300-101385 114.19	3329-58532P 121.86
	10X4	2929-62432 264.49	3029-62432 288.30	3329-62432P 316.82
	10X6	2929-62632 205.56	3029-62632 225.85	3329-62632P 257.79
	10X8	2929-62832 150.70	300-101388 170.37	3329-62832P 217.60
	12X4	2929-66432 356.84	3029-66432 372.18	3329-66432P 521.82
	12X6	2929-66632 327.18	3029-66632 348.62	3329-66632P 502.65
	12X8	2929-66832 228.00	3029-66832 263.40	3329-66832P 439.90
	12X10	2929-67032 218.02	300-101392 241.30	3329-67032P 307.76
	15X4	2929-72432 769.37	3029-72432 823.24	3329-72432P 1037.98
	15X6	2929-72632 727.36	3029-72632 778.30	3329-72632P 846.87
	15X8	2929-72832 682.62	3029-72832 737.23	3329-72832P 782.70
	15X10	2929-73032 470.84	3029-73032 589.56	3329-73032P 683.68
	15X12	2929-73232 320.15	300-101397 373.00	3329-73232P 529.15
	18X4	2929-78432 1592.76	3029-78432 1681.23	3329-78432P 1780.63
	18X6	2929-78632 1559.28	3029-78632 1645.04	3329-78632P 1743.57
	18X8	2929-78832 1437.30	3029-78832 1523.65	3329-78832P 1630.33
	18X10	2929-79032 924.78	3029-79032 997.37	3329-79032P 1127.10

Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Reducer Coupling (Spigot x Gasket) (continued)

	18X12	2929-79232 906.81	3029-79232 936.85	3329-79232P 1062.20
	18X15	2929-79532 627.70	300-101403 721.49	3329-79532P 810.12
	21X6	2929-84632 1821.78	3029-84632 1931.15	3329-84632P 2056.61
	21X8	2929-84832 1581.26	3029-84832 1596.47	3329-84832P 1684.56
	21X10	2929-85032 1385.81	3029-85032 1487.30	3329-85032P 1537.71
	21X12	2929-85232 1309.85	3029-85232 1362.11	3329-85232P 1442.73
	21X15	2929-85532 1248.66	3029-85532 1323.31	3329-85532P 1405.88
	21X18	2929-85832 964.50	300-101417 1087.48	3329-85832P 1262.36
	24X6	2929-90632 3016.48	3029-90632 3216.93	3329-90632P 3506.02
	24X8	2929-90832 2861.93	3029-90832 3001.24	3329-90832P 3165.32
	24X10	2929-91032 2724.31	3029-91032 2870.78	3329-91032P 3083.38
	24X12	2929-91232 2384.79	3029-91232 2526.03	3329-91232P 2698.78
	24X15	2929-91532 1735.09	3029-91532 1875.17	3329-91532P 2452.49
	24X18	2929-91832 1646.13	3029-91832 1848.28	3329-91832P 2333.72
	24X21	2929-92132 1501.16	3029-92132 1807.84	3329-92132P 2010.61
	27X6	2929-93632 3922.06	3029-93632 4187.23	3329-93632P 4521.37
	27X8	2929-93832 3647.90	3029-93832 3959.07	3329-93832P 4222.95
	27X10	2929-94032 3420.19	3029-94032 3654.71	3329-94032P 3894.56
	27X12	2929-94232 3211.34	3029-94232 3405.66	3329-94232P 3677.28
	27X15	2929-94532 2530.38	3029-94532 2703.62	3329-94532P 3210.50
	27X18	2929-94832 2367.24	3029-94832 2538.57	3329-94832P 3106.20
	27X21	2929-95132 2093.52	3029-95132 2356.79	3329-95132P 2878.98
	27X24	2929-95432 2097.91	3029-95432 2512.72	3329-95432P 3030.15

Reducer Coupling (Gasketed)

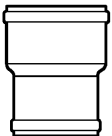
	6X4	2929-5322 96.12	300-101456 114.19	3329-5322P 145.18
	8X4	2929-5822 215.33	3029-5822 230.79	3329-5822P 268.49
	8X6	2929-5852 121.57	300-101458 150.33	3329-5852P 186.86
	10X4	2929-6242 314.73	3029-6242 343.07	3329-6242P 375.73
	10X6	2929-6262 245.01	3029-6262 268.77	3329-6262P 306.78
	10X8	2929-6282 213.30	300-101461 241.30	3329-6282P 301.60
	12X4	2929-6642 424.64	3029-6642 443.09	3329-6642P 620.97
	12X6	2929-6662 389.35	3029-6662 414.86	3329-6662P 598.16
	12X8	2929-6682 317.32	3029-6682 370.38	3329-6682P 523.48
	12X10	2929-6702 286.54	300-101465 331.03	3329-6702P 417.00
	15X4	2929-7242 916.69	3029-7242 979.78	3329-7242P 1235.26
	15X6	2929-7262 865.56	3029-7262 926.17	3329-7262P 1008.72
	15X8	2929-7282 812.31	3029-7282 877.31	3329-7282P 931.41

**Turf & Irrigation
PVC 80, 100 & 125 PSI PIP Fabricated Fittings**

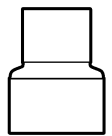


	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Reducer Coupling (Gasketed) (continued)

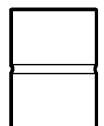
	15X12	2929-7322 422.71	300-101470 481.37	3329-7322P 601.43
	18X4	2929-7842 1894.89	3029-7842 2000.64	3329-7842P 2118.46
	18X6	2929-7862 1855.54	3029-7862 1957.61	3329-7862P 2074.85
	18X8	2929-7882 1710.39	3029-7882 1813.15	3329-7882P 1940.12
	18X10	2929-7902 1100.48	3029-7902 1186.87	3329-7902P 1341.24
	18X12	2929-7922 1079.06	3029-7922 1114.85	3329-7922P 1264.61
	18X15	2929-7952 755.21	300-101476 841.53	3329-7952P 961.59
	21X6	2929-8462 2167.88	3029-8462 2298.06	3329-8462P 2447.36
	21X8	2929-8482 1881.70	3029-8482 1898.94	3329-8482P 2003.98
	21X10	2929-8502 1649.12	3029-8502 1769.65	3329-8502P 1830.26
	21X12	2929-8522 1558.73	3029-8522 1620.91	3329-8522P 1717.13
	21X15	2929-8552 1485.48	3029-8552 1574.36	3329-8552P 1672.68
	21X18	2929-8582 1236.34	300-101489 1322.97	3329-8582P 1472.16
	24X6	2929-9062 3589.13	3029-9062 3828.85	3329-9062P 4170.93
	24X8	2929-9082 3405.97	3029-9082 3571.48	3329-9082P 3766.73
	24X10	2929-9102 3241.66	3029-9102 3415.39	3329-9102P 3668.59
	24X12	2929-9122 2837.63	3029-9122 3005.98	3329-9122P 3212.03
	24X15	2929-9152 2064.59	3029-9152 2231.45	3329-9152P 2918.44
	24X18	2929-9182 2015.91	3029-9182 2199.27	3329-9182P 2777.02
	24X21	2929-9212 1992.23	3029-9212 2175.01	3329-9212P 2757.57
	27X6	2929-9362 4667.88	3029-9362 4942.62	3329-9362P 5380.32
	27X8	2929-9382 4341.97	3029-9382 4710.98	3329-9382P 5024.78
	27X10	2929-9402 4069.91	3029-9402 4348.70	3329-9402P 4634.21
	27X12	2929-9422 3820.73	3029-9422 4052.41	3329-9422P 4375.64
	27X15	2929-9452 3011.36	3029-9452 3216.07	3329-9452P 3819.43
	27X18	2929-9482 2816.09	3029-9482 3020.79	3329-9482P 3695.52
	27X21	2929-9512 2604.68	3029-9512 2916.77	3329-9512P 3644.34
	27X24	2929-9542 2512.70	3029-9542 2788.60	3329-9542P 3553.91

PIP X IPS Reducer (Socket)

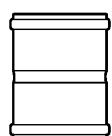
	6X4	2929-532 34.43	---	---
	8X6	---	300-101537 45.43	---
	10X6	---	3029-626PXI 140.00	---
	10X8	---	300-101538 103.31	---
	12X10	---	300-101539 124.68	---
	15X10	---	300-101541 314.70	---
	15X12	---	300-101540 214.46	---

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

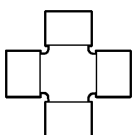
IPS X PIP Adapter (Socket)

	6	---	300-101649 37.27	---
	8	---	300-101650 53.57	---
	10	---	300-101651 89.76	---
	12	---	300-101652 139.82	---

IPS X PIP Adapter (Gasketed)

	6	---	300-101747 90.88	---
	8	---	300-101748 148.34	---
	10	---	300-101749 213.35	---
	12	---	300-101750 300.71	---

Cross (Socket)

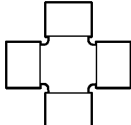
	6	290-103286 96.73	300-103286 134.04	3320-060P 166.80
	6X2	290-103283 73.41	300-103283 85.07	3320-528P 103.82
	6X3	290-103284 80.43	300-103284 95.56	3320-530P 112.12
	6X4	290-103285 87.40	300-103285 102.54	3320-532P 117.81
	8	290-103291 164.32	300-103291 195.81	3320-080P 241.43
	8X2	290-103287 90.88	300-103287 109.52	3320-578P 125.93
	8X3	290-103288 99.03	300-103288 120.03	3320-580P 141.15
	8X4	290-103289 106.05	300-103289 128.20	3320-582P 159.71
	8X6	290-103290 123.54	300-103290 148.04	3320-585P 183.07
	10	290-103297 278.55	300-103297 336.85	3320-100P 391.39
	10X2	290-103292 139.82	300-103292 145.69	3320-621P 163.29
	10X3	290-103293 150.33	300-103293 170.11	3320-623P 184.80
	10X4	290-103294 167.86	300-103294 181.80	3320-624P 224.59
	10X6	290-103295 189.97	300-103295 203.95	3320-626P 251.67
	10X8	290-103296 222.59	300-103296 248.23	3320-628P 307.57
	12	290-103304 432.40	300-103304 509.36	3320-120P 628.94
	12X2	290-103298 209.81	300-103298 214.46	3320-661P 271.68
	12X3	290-103299 231.93	300-103299 234.29	3320-663P 295.91
	12X4	290-103300 236.60	300-103300 256.43	3320-664P 316.99
	12X6	290-103301 254.07	300-103301 282.07	3320-666P 349.51
	12X8	290-103302 296.03	300-103302 328.69	3320-668P 359.94
	12X10	290-103303 348.48	300-103303 396.29	3320-670P 489.06
	15	290-103321 723.82	300-103321 877.67	3320-150P 1118.98
	15X2	290-103313 296.03	300-103313 334.50	3320-721P 390.46
	15X3	290-103314 300.71	300-103314 354.35	3320-723P 426.60
	15X4	290-103315 314.70	300-103315 362.51	3320-724P 442.89
	15X6	290-103316 346.16	300-103316 400.95	3320-726P 459.23
	15X8	290-103317 409.16	300-103317 459.23	3320-728P 627.09



Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings

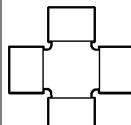
Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Cross (Socket) (continued)

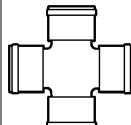
	15X10	290-103318 473.21	300-103318 571.10	3320-730P 759.95
	15X12	290-103319 557.15	300-103319 667.88	3320-732P 868.31
	18	290-103342 1253.02	300-103342 1419.71	3320-180P 1809.00
	18X2	290-103332 442.89	300-103332 518.67	3320-781P 676.00
	18X3	290-103333 454.57	300-103333 543.16	3320-783P 713.34
	18X4	290-103334 470.90	300-103334 554.80	3320-784P 757.59
	18X6	290-103335 504.67	300-103335 599.10	3320-786P 835.70
	18X8	290-103336 559.46	300-103336 655.06	3320-788P 946.44
	18X10	290-103337 617.74	300-103337 709.81	3320-790P 1086.33
	18X12	290-103338 721.49	300-103338 877.67	3320-792P 1230.87
	18X15	290-103340 874.19	300-103340 1141.14	3320-795P 1461.67
	21	290-103367 1849.83	300-103367 2338.17	3320-210P 2783.47
	21X2	290-103355 676.00	300-103355 862.52	3320-841P 885.84
	21X3	290-103356 705.17	300-103356 909.14	3320-843P 1002.41
	21X4	290-103357 745.96	300-103357 946.44	3320-844P 1118.98
	21X6	290-103358 793.72	300-103358 1002.41	3320-846P 1208.68
	21X8	290-103359 857.86	300-103359 1086.33	3320-848P 1335.78
	21X10	290-103360 927.78	300-103360 1197.05	3320-850P 1475.65
	21X12	290-103361 1038.54	300-103361 1335.78	3320-852P 1642.34
	21X15	290-103363 1191.23	300-103363 1558.40	3320-855P 1892.93
	21X18	290-103365 1427.84	300-103365 1864.96	3320-858P 2310.22
	24	290-103381 2644.73	300-103381 3116.81	3320-240P 4285.96
	24X2	290-103368 932.46	300-103368 1118.98	3320-901P 1165.59
	24X3	290-103369 979.06	300-103369 1165.59	3320-903P 1218.05
	24X4	290-103370 1038.54	300-103370 1225.05	3320-904P 1280.97
	24X6	290-103371 1127.11	300-103371 1305.45	3320-906P 1363.76
	24X8	290-103372 1197.05	300-103372 1419.71	3320-908P 1503.61
	24X10	290-103373 1280.97	300-103373 1531.60	3320-910P 1670.29
	24X12	290-103374 1391.68	300-103374 1698.29	3320-912P 1837.01
	24X15	290-103376 1670.29	300-103376 1920.90	3320-915P 2087.60
	24X18	290-103378 1892.93	300-103378 2226.30	3320-918P 2504.89
	24X21	290-103380 2254.27	300-103380 2644.73	3320-921P 3034.05
	27	2920-270 4004.27	3020-270 4718.72	3320-270P 6133.22
	27X4	2920-934 1184.29	3020-934 1483.40	3320-934P 1927.91
	27X6	2920-936 1366.87	3020-936 1583.36	3320-936P 2059.77
	27X8	2920-938 1451.22	3020-938 1721.11	3320-938P 2238.15
	27X10	2920-940 1551.16	3020-940 1855.56	3320-940P 2412.86

Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Cross (Socket) (continued)

	27X12	2920-942 1685.45	3020-942 2057.49	3320-942P 2674.35
	27X15	2920-945 2022.89	3020-945 2327.28	3320-945P 3025.16
	27X18	2920-948 2291.73	3020-948 2697.05	3320-948P 3492.05
	27X21	2920-951 2731.43	3020-951 3203.37	3320-951P 4166.17
	27X24	2920-954 3203.33	3020-954 3775.05	3320-954P 4906.38

Cross (Gasketed)

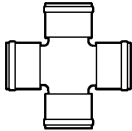
	6	290-104001 233.05	300-104001 240.06	3320-0602P 288.07
	6X4	290-104000 215.95	300-104000 221.47	3320-5322P 247.78
	8	290-104006 326.35	300-104006 346.16	3320-0802P 416.34
	8X4	290-104004 259.78	300-104004 268.04	3320-5822P 335.24
	8X6	290-104005 295.68	300-104005 303.04	3320-5852P 360.66
	10	290-104012 484.86	300-104012 487.20	3320-1002P 574.03
	10X4	290-104009 345.86	300-104009 349.67	3320-6242P 412.26
	10X6	290-104010 378.78	300-104010 390.46	3320-6262P 435.39
	10X8	290-104011 406.22	300-104011 437.10	3320-6282P 489.26
	12	290-104019 695.88	300-104019 723.82	3320-1202P 870.60
	12X4	290-104015 419.61	300-104015 448.76	3320-6642P 570.64
	12X6	290-104016 454.57	300-104016 489.51	3320-6662P 607.72
	12X8	290-104017 512.86	300-104017 559.46	3320-6682P 623.77
	12X10	290-104018 594.43	300-104018 629.45	3320-6702P 738.48
	15	290-104036 1086.33	300-104036 1253.02	3320-1502P 1573.54
	15X4	290-104030 629.45	300-104030 792.60	3320-7242P 842.13
	15X6	290-104031 676.00	300-104031 845.04	3320-7262P 877.02
	15X8	290-104032 757.59	300-104032 903.32	3320-7282P 932.46
	15X10	290-104033 874.19	300-104033 990.76	3320-7302P 1049.05
	15X12	290-104034 929.02	300-104034 1107.32	3320-7322P 1253.02
	18	290-104057 1670.29	300-104057 1892.93	3320-1802P 2389.50
	18X4	290-104049 932.46	300-104049 1049.05	3320-7842P 1072.32
	18X6	290-104050 1014.05	300-104050 1165.59	3320-7862P 1218.33
	18X8	290-104051 1142.28	300-104051 1282.15	3320-7882P 1300.54
	18X10	290-104052 1223.87	300-104052 1398.74	3320-7902P 1448.55
	18X12	290-104053 1340.46	300-104053 1515.26	3320-7922P 1585.26
	18X15	2920-7952 1533.51	3020-7952 1723.94	3320-7952P 2036.37
	21	290-104082 2764.84	300-104082 3681.66	3320-2102P 3895.95
	21X4	290-104072 1491.97	300-104072 2524.29	3320-8442P 2989.80
	21X6	290-104073 1596.84	300-104073 2622.35	3320-8462P 3052.09
	21X8	290-104074 1748.38	300-104074 2735.76	3320-8482P 3189.13

**Turf & Irrigation
PVC 80, 100 & 125 PSI PIP Fabricated Fittings**

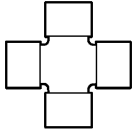


Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Cross (Gasketed) (continued)

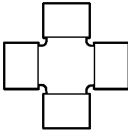
	21X10	290-104075 1923.24	300-104075 2893.40	3320-8502P 3263.85
	21X12	290-104076 2156.38	300-104076 3051.60	3320-8522P 3413.35
	21X15	290-104078 2389.50	300-104078 3191.38	3320-8552P 3434.35
	21X18	290-104080 2564.33	300-104080 3524.01	3320-8582P 3614.05
	24	2920-2402 5240.84	3020-2402 6265.36	3320-2402P 7811.28
	24X4	2920-9042 2733.85	3020-9042 3039.53	3320-9042P 3798.82
	24X6	2920-9062 2745.39	3020-9062 3068.87	3320-9062P 3813.53
	24X8	2920-9082 2964.55	3020-9082 3295.20	3320-9082P 4118.06
	24X10	2920-9102 3208.65	3020-9102 3564.38	3320-9102P 4454.43
	24X12	2920-9122 3452.88	3020-9122 3835.47	3320-9122P 4793.04
	24X15	2920-9152 4000.81	3020-9152 4444.88	3320-9152P 5556.29
	24X18	2920-9182 4419.96	3020-9182 4910.15	3320-9182P 6138.67
	24X21	2920-9212 5083.18	3020-9212 5648.41	3320-9212P 7059.55
	27	2920-2702 7290.19	3020-2702 10477.82	3320-2702P 13063.63
	27X4	2920-9342 3213.18	3020-9342 3800.85	3320-9342P 4748.65
	27X6	2920-9362 3449.04	3020-9362 3815.71	3320-9362P 4818.23
	27X8	2920-9382 3697.04	3020-9382 4119.97	3320-9382P 5150.30
	27X10	2920-9402 4010.43	3020-9402 4454.53	3320-9402P 5569.62
	27X12	2920-9422 4316.11	3020-9422 4796.73	3320-9422P 5994.62
	27X15	2920-9452 5000.52	3020-9452 5556.13	3320-9452P 6946.14
	27X18	2920-9482 5525.36	3020-9482 6138.67	3320-9482P 7672.06
	27X21	2920-9512 6353.97	3020-9512 7059.55	3320-9512P 8826.35
	27X24	2920-9542 6878.90	3020-9542 7811.43	3320-9542P 9764.55

PIP X IPS Cross (Socket)

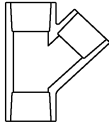
	6	2920-060PXI 96.73	3020-060PXI 134.04	3320-060PXI 166.80
	8	2920-080PXI 164.32	3020-080PXI 195.81	3320-080PXI 241.43
	8X6	2920-585PXI 116.13	3020-585PXI 148.04	3320-585PXI 183.07
	10	2920-100PXI 278.55	3020-100PXI 336.85	3320-100PXI 391.39
	10X6	2920-626PXI 178.57	300-103700 203.95	3320-626PXI 236.57
	10X8	2920-628PXI 209.23	3020-628PXI 277.24	3320-628PXI 289.12
	12	2920-120PXI 432.40	3020-120PXI 509.36	3320-120PXI 628.94
	12X6	2920-666PXI 254.07	3020-666PXI 282.07	3320-666PXI 328.54
	12X8	2920-668PXI 296.03	3020-668PXI 328.69	3320-668PXI 692.96
	12X10	2920-670PXI 327.57	3020-670PXI 396.29	3320-670PXI 459.72
	15X6	2920-726PXI 325.39	3020-726PXI 400.95	3320-726PXI 431.68
	15X8	2920-728PXI 384.61	3020-728PXI 459.23	3320-728PXI 589.46
	15X10	2920-730PXI 444.82	3020-730PXI 571.10	3320-730PXI 714.35

Size	80 PIP Disc Code: 310 Part Number Price Each	100 PIP Disc Code: 320 Part Number Price Each	125 PIP Disc Code: 330 Part Number Price Each
------	---	--	--

PIP X IPS Cross (Socket) (continued)

	15X12	2920-732PXI 523.72	3020-732PXI 667.88	3320-732PXI 816.21
	18X6	2920-786PXI 504.67	3020-786PXI 599.10	3320-786PXI 835.70
	18X8	2920-788PXI 525.89	3020-788PXI 655.06	3320-788PXI 889.65
	18X10	2920-790PXI 617.74	3020-790PXI 709.81	3320-790PXI 1021.15
	18X12	2920-792PXI 721.49	3020-792PXI 877.67	3320-792PXI 1157.02
	21X6	2920-846PXI 831.45	3020-846PXI 1002.41	3320-846PXI 1136.16
	21X8	2920-848PXI 857.86	3020-848PXI 1086.33	3320-848PXI 1255.63
	21X10	2920-850PXI 927.78	3020-850PXI 1197.05	3320-850PXI 1387.11
	21X12	2920-852PXI 976.23	3020-852PXI 1335.78	3320-852PXI 1543.80
	24X6	2920-906PXI 1127.11	3020-906PXI 1305.45	3320-906PXI 1281.93
	24X8	2920-908PXI 1197.05	3020-908PXI 1419.71	3320-908PXI 1413.39
	24X10	2920-910PXI 1280.97	3020-910PXI 1531.60	3320-910PXI 1570.07
	24X12	2920-912PXI 1391.68	3020-912PXI 1698.29	3320-912PXI 1726.79

Wyes (Socket)

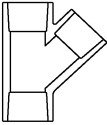
	6	2975-060 184.03	---	---
	6X4	2975-532 103.52	---	---
	8	2975-080 195.36	---	---
	8X4	2975-582 169.56	---	---
	8X6	2975-585 276.30	---	---
	10	2975-100 307.63	---	---
	10X4	2975-624 188.44	---	---
	10X6	2975-626 198.20	---	---
	10X8	2975-628 253.44	---	---
	12	2975-120 440.37	---	---
	12X4	2975-664 223.53	---	---
	12X6	2975-666 244.45	---	---
	12X8	2975-668 276.22	---	---
	12X10	2975-670 294.78	---	---
	15	2975-150 882.22	---	---
	15X4	2975-724 354.55	---	---
	15X6	2975-726 379.45	---	---
	15X8	2975-728 459.03	---	---
	15X10	2975-730 493.07	---	---
	15X12	2975-732 681.62	---	---
	18	2975-187 1288.59	---	---
	18X4	2975-784 556.68	---	---
	18X6	2975-786 590.21	---	---



Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Wyes (Socket) (continued)

	18X8	2975-788 651.72	---	---
	18X10	2975-790 679.77	---	---
	18X12	2975-792 891.70	---	---
	18X15	2975-795 1117.79	---	---

Surface Reducer (Socket)

	6X2	---	300-102013 46.60	---
	6X3	---	300-102015 46.60	---
	8X2	---	300-102018 87.40	---
	8X3	---	300-102020 87.40	---
	8X4	---	300-102021 87.40	---
	10X2	---	300-102024 110.76	---
	10X3	---	300-102026 110.76	---
	10X4	---	300-102027 110.76	---
	10X6	---	300-102028 110.76	---
	12X2	---	300-102031 163.16	---
	12X3	---	300-102033 163.16	---
	12X4	---	300-102034 163.16	---
	12X6	---	300-102035 163.16	---
	12X8	---	300-102036 163.16	---
	15X2	---	300-102048 297.11	---
	15X3	---	300-102050 297.11	---
	15X4	---	300-102051 297.11	---
	15X6	---	300-102052 297.11	---
	15X8	---	300-102053 297.11	---
	15X10	---	300-102054 297.11	---
	18X2	---	300-102067 448.76	---
	18X3	---	300-102069 448.76	---
	18X4	---	300-102070 448.76	---
	18X6	---	300-102071 448.76	---
	18X8	---	300-102072 448.76	---
	18X10	---	300-102073 448.76	---
	18X12	---	300-102074 448.76	---
	21X2	---	300-102088 740.17	---
	21X3	---	300-102089 740.17	---
	21X4	---	300-102090 740.17	---
	21X6	---	300-102091 740.17	---
	21X8	---	300-102092 740.17	---

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Surface Reducer (Socket) (continued)

	21X10	---	300-102093 740.17	---
	21X12	---	300-102094 740.17	---
	21X15	---	300-102095 740.17	---

Stub Surface Reducer (Socket)

	6X4	---	30040-532 114.81	---
	8X4	---	30040-582 131.71	---
	8X6	---	30040-585 140.62	---
	10X4	---	30040-624 149.63	---
	10X6	---	30040-626 158.04	---
	10X8	---	30040-628 166.19	---
	12X4	---	30040-664 168.44	---
	12X6	---	30040-666 171.85	---
	12X8	---	30040-668 198.07	---
	12X10	---	30040-670 228.15	---
	15X4	---	30040-724 276.30	---
	15X6	---	30040-726 289.05	---
	15X8	---	30040-728 303.26	---
	15X10	---	30040-730 334.67	---
	15X12	---	30040-732 345.11	---
	18X4	---	30040-784 660.44	---
	18X6	---	30040-786 679.52	---
	18X8	---	30040-788 694.07	---
	18X10	---	30040-790 719.56	---
	18X12	---	30040-792 739.41	---
	18X15	---	30040-795 847.05	---
	21X4	---	30040-844 916.59	---
	21X6	---	30040-846 925.82	---
	21X8	---	30040-848 951.07	---
	21X10	---	30040-850 982.48	---
	21X12	---	30040-852 995.56	---
	21X15	---	30040-855 1103.56	---
	21X18	---	30040-858 1218.67	---
	24X4	---	30040-904 1034.85	---
	24X6	---	30040-906 1041.93	---
	24X8	---	30040-908 1068.30	---
	24X10	---	30040-910 1099.70	---

Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings



	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Stub Surface Reducer (Socket) (continued)

	24X15	---	30040-915 1221.73	---
	24X18	---	30040-918 1336.89	---
	24X21	---	30040-921 1585.78	---

Cap (Socket)

	6	---	300-107540 46.60	---
	8	---	300-107541 59.45	---
	10	---	300-107542 95.56	---
	12	---	300-107543 125.86	---
	15	---	300-107545 205.11	---
	18	---	300-107547 400.72	---
	21	---	300-107549 613.07	---
	24	---	300-107550 838.34	---
	27	---	3047-270 1052.01	---

Saddle (Socket)

	6X2	---	300-101789 58.26	---
	6X3	---	300-101797 69.93	---
	6X4	---	300-101804 81.56	---
	8X2	---	300-101790 58.26	---
	8X3	---	300-101798 69.93	---
	8X4	---	300-101805 81.56	---
	8X6	---	300-101811 93.23	---
	10X2	---	300-101791 58.26	---
	10X3	---	300-101799 69.93	---
	10X4	---	300-101806 81.56	---
	10X6	---	300-101812 93.23	---
	10X8	---	300-101817 104.89	---
	12X2	---	300-101792 58.26	---
	12X3	---	300-101800 69.93	---
	12X4	---	300-101807 81.56	---
	12X6	---	300-101813 93.23	---
	12X8	---	300-101818 104.89	---
	12X10	---	300-101822 116.52	---
	15X2	---	300-101793 58.26	---
	15X3	---	300-101801 84.18	---
	15X4	---	300-101808 81.56	---
	15X6	---	300-101814 93.23	---
	15X8	---	300-101819 104.89	---

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Saddle (Socket) (continued)

	15X10	---	300-101823 116.52	---
	15X12	---	300-101826 162.09	---
	18X2	---	300-101794 58.26	---
	18X3	---	300-101802 125.03	---
	18X4	---	300-101809 159.43	---
	18X6	---	300-101815 192.51	---
	18X8	---	300-101820 205.67	---
	18X10	---	300-101824 236.76	---
	18X12	---	300-101827 249.63	---
	18X15	---	300-101829 381.91	---

NOTE: When assembling Spears® Saddles to PVC pipe, Spears® Manufacturing Company recommends Industrial Polychemical Service (IPS) #719 Solvent Cement and #P-68 Primer, or equivalent. Although good connections may be accomplished without Saddle Straps, Spears® Manufacturing Company recommends the use of clamp or strap device during the assembly step to insure good compression between the pipe and fitting surfaces as the solvent cures. PVC Fabricated Saddle connections are designed for use in low pressure open ended systems and are not intended for use in high pressure applications. For further details, contact Spears® Technical Services Department.

Stub Saddle (Socket)

	6X2	---	300-101884 81.56	---
	6X3	---	300-101892 89.76	---
	6X4	---	300-101899 103.70	---
	8X2	---	300-101885 81.56	---
	8X3	---	300-101893 89.76	---
	8X4	---	300-101900 103.70	---
	8X6	---	300-101906 128.20	---
	10X2	---	300-101886 81.56	---
	10X3	---	300-101894 89.76	---
	10X4	---	300-101901 103.70	---
	10X6	---	300-101907 128.20	---
	10X8	---	300-101912 167.86	---
	12X2	---	300-101887 81.56	---
	12X3	---	300-101895 89.76	---
	12X4	---	300-101902 103.70	---
	12X6	---	300-101908 128.20	---
	12X8	---	300-101913 167.86	---
	12X10	---	300-101917 181.80	---
	15X2	---	300-101888 117.71	---
	15X3	---	300-101896 130.50	---
	15X4	---	300-101903 136.37	---
	15X6	---	300-101909 141.01	---

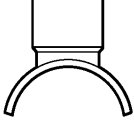


Turf & Irrigation PVC 80, 100 & 125 PSI PIP Fabricated Fittings & Pipe Flanges

Glue-on Saddles

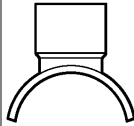
	Size	80 PSI	100 PSI	125 PSI
		Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Stub Saddle (Socket) (continued)

	15X8	---	300-101914 167.86	---
	15X10	---	300-101918 193.46	---
	15X12	---	300-101921 255.24	---
	18X2	---	300-101889 192.30	---
	18X3	---	300-101897 196.97	---
	18X4	---	300-101904 237.74	---
	18X6	---	300-101910 303.04	---
	18X8	---	300-101915 324.03	---
	18X10	---	300-101919 373.00	---

	Size	80 PSI	100 PSI	125 PSI
		Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Stub Saddle (Socket) (continued)

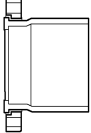
	18X12	---	300-101922 430.13	---
	18X15	---	300-101924 601.43	---

NOTE: When assembling Spears® Saddles to PVC pipe, Spears® Manufacturing Company recommends Industrial Polychemical Service (IPS) #719 Solvent Cement and #P-68 Primer, or equivalent. Although good connections may be accomplished without Saddle Straps, Spears® Manufacturing Company recommends the use of clamp or strap device during the assembly step to insure good compression between the pipe and fitting surfaces as the solvent cures. PVC Fabricated Saddle connections are designed for use in low pressure open ended systems and are not intended for use in high pressure applications. For further details, contact Spears® Technical Services Department.

Pipe Flanges

	Size	80 PSI	100 PSI	125 PSI
		Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Flange x PIP (Socket)

	6X6.140	---	---	354-060F 126.99
	8X8.160	---	---	354-080F 192.30
	10X10.200	---	---	354-100F 270.38
	12X12.240	---	---	354-120F 391.60
	14X15.300	---	---	354-150F 1043.82
	16X15.300	---	---	354-151F 1190.79
	18X18.360	---	354-182F 1809.00	---
	18X18.701	---	354-181F 1809.00	---
	20X22.047	---	354-201F 2755.48	---
	24X24.803	---	354-241F 4035.33	---

PIP = Plastic Irrigation Pipe (PIP dimensions are NOT the same as IPS dimensions.)
 Sizes 6" through 16" are furnished with Plastic Ring.
 Sizes 18" Through 24" are furnished with Steel Ring.

Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



Size	CLASS 63	CLASS 100	CLASS 125	CLASS 160	CLASS 200
	Disc Code: 340 Part Number Price Each	Disc Code: 350 Part Number Price Each	Disc Code: 360 Part Number Price Each	Disc Code: 370 Part Number Price Each	Disc Code: 380 Part Number Price Each

Tee (Gasket x Spigot x Fipt)

	4X1-1/2	---	---	---	340-102356 180.02	350-102356 209.83
	4X2	---	---	---	340-102357 180.02	350-102357 209.83
	4X2-1/2	---	---	---	340-102358 192.20	350-102358 223.09
	4X3	---	---	---	340-102359 192.20	---
	6X1-1/2	---	---	---	340-102361 261.80	350-102361 272.83
	6X2	---	---	---	340-102362 261.80	350-102362 272.83
	6X2-1/2	---	---	---	340-102363 278.38	350-102363 284.97
	6X3	---	---	---	340-102364 278.38	350-102364 284.97
	6X4	---	---	---	340-102365 289.37	350-102365 300.43
	8X1-1/2	---	---	---	340-102366 319.21	350-102366 388.80
	8X2	---	---	---	340-102367 319.21	350-102367 388.80
	8X2-1/2	---	---	---	340-102368 335.78	350-102368 405.36
	8X3	---	---	---	340-102369 335.78	350-102369 405.36
	8X4	---	---	---	340-102370 363.39	350-102370 421.91
	10X2	---	---	---	340-102372 542.33	350-102372 592.04
	10X2-1/2	---	---	---	340-102373 575.48	---
	10X3	---	---	---	340-102374 575.48	350-102374 620.76
	10X4	---	---	---	340-102375 605.27	350-102375 652.81
	12X2	---	---	---	340-102377 722.38	350-102377 777.59
	12X2-1/2	---	---	---	340-102378 753.30	---
	12X3	---	---	---	340-102379 753.30	350-102379 819.56
	12X4	---	---	---	340-102380 788.67	350-102380 861.56

Tee (Gasket x Gasket x Fipt)

	4X1-1/2	---	---	---	340-102426 198.82	350-102426 217.61
	4X2	---	---	---	340-102427 198.82	350-102427 217.61
	4X2-1/2	---	---	---	340-102428 216.47	350-102428 234.16
	4X3	---	---	---	340-102429 216.47	350-102429 234.16
	6X1-1/2	---	---	---	340-102431 286.06	350-102431 300.43
	6X2	---	---	---	340-102432 286.06	350-102432 300.43
	6X2-1/2	---	---	---	340-102433 297.12	350-102433 314.82
	6X3	---	---	---	340-102434 297.12	350-102434 314.82
	6X4	---	---	---	340-102435 305.96	350-102435 328.06
	8X1-1/2	---	---	---	340-102436 350.16	350-102436 419.73
	8X2	---	---	---	340-102437 350.16	350-102437 419.73
	8X2-1/2	---	---	---	340-102438 371.13	350-102438 441.81
	8X3	---	---	---	340-102439 371.13	350-102439 441.81
	8X4	---	---	---	340-102440 394.32	350-102440 609.14



Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

Size	CLASS 63	CLASS 100	CLASS 125	CLASS 160	CLASS 200
	Disc Code: 340 Part Number Price Each	Disc Code: 350 Part Number Price Each	Disc Code: 360 Part Number Price Each	Disc Code: 370 Part Number Price Each	Disc Code: 380 Part Number Price Each

Tee (Gasket x Gasket x Fipt) (continued)

	10X2	---	---	---	340-102442 593.13	350-102442 652.81
	10X2-1/2	---	---	---	340-102443 620.76	350-102443 689.27
	10X3	---	---	---	340-102444 620.76	350-102444 689.27
	10X4	---	---	---	340-102445 654.97	350-102445 716.83
	12X2	---	---	---	340-102447 765.13	350-102447 832.84
	12X2-1/2	---	---	---	340-102448 803.01	---
	12X3	---	---	---	340-102449 803.01	350-102449 874.81
	12X4	---	---	---	340-102450 843.86	350-102450 916.79

Tee (Soc x Soc x Soc)

	6	310-102502 68.66	320-102502 138.41	330-102502 153.87	340-102502 271.31	350-102502 287.11
	6X2	310-102499 54.23	320-102499 71.96	330-102499 86.35	340-102499 215.36	350-102499 223.68
	6X3	310-102500 57.57	320-102500 80.81	330-102500 91.87	340-102500 229.14	350-102500 234.80
	6X4	310-102501 63.12	320-102501 88.59	330-102501 102.96	340-102501 237.44	350-102501 251.38
	8	310-102507 115.19	320-102507 174.94	330-102507 207.09	340-102507 425.28	350-102507 505.90
	8X2	310-102503 75.29	320-102503 95.22	330-102503 102.96	340-102503 273.93	350-102503 302.65
	8X3	310-102504 80.81	320-102504 106.27	330-102504 115.19	340-102504 307.07	350-102504 328.06
	8X4	310-102505 86.35	320-102505 120.65	330-102505 131.72	340-102505 324.74	350-102505 344.62
	8X6	310-102506 102.96	320-102506 155.02	330-102506 163.86	340-102506 376.66	350-102506 408.67
	10	310-102513 171.61	320-102513 243.56	330-102513 336.60	340-102513 660.51	350-102513 803.01
	10X2	310-102508 102.96	320-102508 126.19	330-102508 161.64	340-102508 387.71	350-102508 461.68
	10X3	310-102509 120.65	320-102509 146.14	330-102509 190.45	340-102509 416.44	350-102509 491.50
	10X4	310-102510 137.31	320-102510 163.86	330-102510 214.79	340-102510 450.67	350-102510 527.96
	10X6	310-102511 149.48	320-102511 180.48	330-102511 238.02	340-102511 495.94	350-102511 580.97
	10X8	310-102512 159.44	320-102512 209.27	330-102512 283.44	340-102512 558.91	350-102512 652.81
	12	310-102520 235.83	320-102520 384.22	330-102520 504.90	340-102520 940.00	350-102520 1241.50
	12X2	310-102514 177.19	320-102514 190.45	330-102514 249.16	340-102514 512.49	350-102514 608.62
	12X3	310-102515 182.68	320-102515 201.52	330-102515 270.16	340-102515 546.77	350-102515 656.10
	12X4	310-102516 189.35	320-102516 224.77	330-102516 298.97	340-102516 584.32	350-102516 700.24
	12X6	310-102517 194.86	320-102517 256.88	330-102517 336.60	340-102517 649.50	350-102517 794.16
	12X8	310-102518 205.96	320-102518 283.44	330-102518 378.72	340-102518 723.47	350-102518 847.19
	12X10	310-102519 211.45	320-102519 338.83	330-102519 449.53	340-102519 808.54	350-102519 991.89
	15X2	310-102521** 210.39	---	---	---	---
	15X3	310-102522** 221.44	---	---	---	---
	15X4	310-102523** 245.81	---	---	---	---
	15X6	310-102524** 251.35	---	---	---	---
	15X8	310-102525** 270.16	---	---	---	---
	15X10	310-102526** 283.44	---	---	---	---

Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Tee (Soc x Soc x Soc) (continued)

	15X12	310-102527** 319.99	---	---	---	---
	15X15	310-102528* 407.47	---	---	---	---

* 15" PIP O.D.

** 15" PIP O.D. x IPS

Tee (Gasket x Spigot x Gasket)

	4	---	320-103058 110.71	330-103058 115.19	340-103058 210.39	350-103058 236.05
	6	---	320-103062 160.56	330-103062 171.61	340-103062 325.83	350-103062 375.53
	6X4	---	320-103061 137.31	330-103061 166.07	340-103061 289.37	350-103061 311.47
	8	---	320-103067 221.94	330-103067 285.67	340-103067 483.80	350-103067 608.62
	8X4	---	320-103065 173.23	330-103065 189.35	340-103065 361.17	350-103065 439.61
	8X6	---	320-103066 201.52	330-103066 239.18	340-103066 399.85	350-103066 500.36
	10	---	320-103073 376.48	330-103073 457.31	340-103073 791.98	350-103073 999.36
	10X4	---	320-103070 259.09	330-103070 331.05	340-103070 531.31	350-103070 667.15
	10X6	---	320-103071 285.67	330-103071 359.88	340-103071 580.97	350-103071 727.89
	10X8	---	320-103072 317.79	330-103072 399.72	340-103072 652.81	350-103072 821.79
	12	---	320-103080 527.06	330-103080 628.93	---	---
	12X4	---	320-103076 349.90	330-103076 428.56	340-103076 694.74	350-103076 872.57
	12X6	---	320-103077 373.15	330-103077 434.05	340-103077 764.35	350-103077 960.97
	12X8	---	320-103078 413.00	330-103078 457.31	340-103078 847.19	350-103078 1054.84
	12X10	---	320-103079 470.60	330-103079 513.79	340-103079 958.76	350-103079 1194.01
	12X12	---	---	---	340-103080 1124.39	---

Tee (Gasket x Gasket x Gasket)

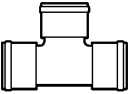
	4	---	320-103170 132.86	330-103170 181.53	340-103170 208.77	350-103170 258.47
	6	---	320-103174 155.02	330-103174 205.96	340-103174 347.93	350-103174 377.73
	6X4	---	320-103173 137.31	330-103173 194.86	340-103173 300.43	350-103173 322.52
	8	---	320-103179 274.59	330-103179 297.12	340-103179 542.33	350-103179 639.53
	8X4	---	320-103177 205.96	330-103177 229.20	340-103177 425.28	350-103177 472.72
	8X6	---	320-103178 211.45	330-103178 259.09	340-103178 472.72	350-103178 522.48
	10	---	320-103185 399.72	330-103185 502.68	340-103185 889.16	350-103185 1043.82
	10X4	---	320-103182 306.72	330-103182 380.90	340-103182 667.15	350-103182 680.39
	10X6	---	320-103183 328.87	330-103183 397.50	340-103183 708.02	350-103183 738.98
	10X8	---	320-103184 357.65	330-103184 462.86	340-103184 791.98	350-103184 832.84
	12	---	320-103192 555.87	330-103192 727.48	340-103192 1236.01	350-103192 1443.67
	12X4	---	320-103188 391.95	330-103188 462.86	340-103188 847.19	350-103188 885.85
	12X6	---	320-103189 401.96	330-103189 476.11	340-103189 925.60	350-103189 979.74
	12X8	---	320-103190 423.00	330-103190 571.38	340-103190 1014.18	350-103190 1071.40
	12X10	---	320-103191 502.68	330-103191 609.03	340-103191 1138.83	350-103191 1212.79



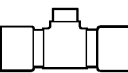
Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

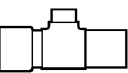
Tee (Gasket x Gasket x Gasket) (continued)

	12X10	---	320-103191 502.68	330-103191 609.03	340-103191 1138.83	350-103191 1212.79
---	-------	-----	----------------------	----------------------	-----------------------	-----------------------

Reinforced Tee (Soc x Soc x Fipt)

	6X2	---	---	330-202152 77.51	---	---
	6X3	---	---	330-202154 88.59	---	---
	6X4	---	---	330-202155 100.73	---	---
	8X2	---	---	330-202157 111.82	---	---
	8X3	---	---	330-202159 130.64	---	---
	8X4	---	---	330-202160 142.79	---	---
	10X2	---	---	330-202162 172.70	---	---
	10X3	---	---	330-202164 201.52	---	---
	10X4	---	---	330-202165 220.32	---	---
	12X2	---	---	330-202167 249.16	---	---
	12X3	---	---	330-202169 277.94	---	---
	12X4	---	---	330-202170 306.72	---	---

Reinforced Tee (Soc x Spigot x Fipt)

	6X2	---	---	330-202222 77.51	---	---
	6X3	---	---	330-202224 88.59	---	---
	6X4	---	---	330-202225 100.73	---	---
	8X2	---	---	330-202227 110.71	---	---
	8X3	---	---	330-202229 123.96	---	---
	8X4	---	---	330-202230 136.15	---	---
	10X2	---	---	330-202232 163.86	---	---
	10X3	---	---	330-202234 191.53	---	---
	10X4	---	---	330-202235 211.45	---	---
	12X2	---	---	330-202237 236.94	---	---
	12X3	---	---	330-202239 264.64	---	---
	12X4	---	---	330-202240 294.55	---	---

Reinforced Tee (Gasket x Spigot x Fipt)

	6X2	---	---	330-202362 132.86	---	---
	6X3	---	---	330-202364 151.66	---	---
	6X4	---	---	330-202365 160.56	---	---
	8X2	---	---	330-202367 166.07	---	---
	8X3	---	---	330-202369 177.19	---	---
	8X4	---	---	330-202370 189.35	---	---
	10X2	---	---	330-202372 251.35	---	---

Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Reinforced Tee (Gasket x Spigot x Fipt) (continued)

	10X2	---	---	330-202372 251.35	---	---
	10X3	---	---	330-202374 271.27	---	---
	10X4	---	---	330-202375 297.85	---	---
	12X2	---	---	330-202377 343.24	---	---
	12X3	---	---	330-202379 372.03	---	---
	12X4	---	---	330-202380 399.72	---	---

Reinforced Tee (Gasket x Gasket x Fipt)

	6X2	---	---	330-202432 160.56	---	---
	6X3	---	---	330-202434 171.61	---	---
	6X4	---	---	330-202435 182.68	---	---
	8X2	---	---	330-202437 200.41	---	---
	8X3	---	---	330-202439 211.45	---	---
	8X4	---	---	330-202440 229.20	---	---
	10X2	---	---	330-202442 312.26	---	---
	10X3	---	---	330-202444 328.87	---	---
	10X4	---	---	330-202445 363.18	---	---
	12X2	---	---	330-202447 423.00	---	---
	12X3	---	---	330-202449 462.86	---	---
	12X4	---	---	330-202450 483.93	---	---

90° Elbow (Soc x Soc)

	6	310-100812 75.29	320-100812 97.40	330-100812 108.49	340-100812 279.44	350-100812 302.65
	8	310-100813 102.96	320-100813 149.48	330-100813 178.24	340-100813 387.71	350-100813 439.61
	10	310-100814 160.56	320-100814 233.63	330-100814 282.35	340-100814 589.84	350-100814 724.57
	12	310-100815 229.20	320-100815 325.51	330-100815 431.85	340-100815 854.91	350-100815 972.02
	15	310-100816* 428.56	---	---	---	---

* 15" PIP O.D.

90° Elbow (Gasket x Spigot)

	4	---	---	330-100877 168.15	---	---
	6	---	320-100878 197.11	330-100878 226.99	340-100878 370.00	350-100878 388.80
	8	---	320-100879 298.97	330-100879 366.53	340-100879 527.96	350-100879 566.65
	10	---	320-100880 435.17	330-100880 576.87	340-100880 764.35	350-100880 933.33
	12	---	320-100881 583.55	330-100881 687.64	340-100881 1027.27	350-100881 1180.76

90° Elbow (Gasket x Gasket)

	4	---	---	330-100899 168.15	340-100899 250.72	350-100899 278.38
	6	---	320-100900 197.11	330-100900 226.99	340-100900 370.00	350-100900 388.80
	8	---	320-100901 298.97	330-100901 366.53	340-100901 527.96	350-100901 566.65
	10	---	320-100902 435.17	330-100902 576.87	340-100902 764.35	350-100902 933.33
	12	---	320-100903 583.55	330-100903 687.64	3406-1202 855.60	350-100903 1180.76

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 145



Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

11-1/4° Elbow (Soc x Soc)

	4	---	---	330-100113 32.07	340-100113 35.51	350-100113 42.60
	6	310-100114 28.74	320-100114 37.66	330-100114 45.37	340-100114 49.69	350-100114 53.00
	8	310-100115 45.37	320-100115 57.57	330-100115 89.65	340-100115 86.15	350-100115 97.19
	10	310-100116 64.19	320-100116 91.87	330-100116 127.34	340-100116 149.13	350-100116 199.88
	12	310-100117 104.03	320-100117 143.95	330-100117 207.09	340-100117 234.16	350-100117 333.59
	15	310-100118 174.94	---	---	---	---

11-1/4° Elbow (Gasket x Spigot)

	4	---	---	330-100185 115.19	340-100185 127.82	350-100185 157.29
	6	---	320-100186 128.43	330-100186 160.56	340-100186 177.53	350-100186 194.40
	8	---	320-100187 157.23	330-100187 240.28	340-100187 260.36	350-100187 313.69
	10	---	320-100188 269.09	330-100188 319.99	340-100188 370.00	350-100188 544.51
	12	---	320-100189 359.88	330-100189 434.05	340-100189 539.03	350-100189 750.01

11-1/4° Elbow (Gasket x Gasket)

	4	---	---	330-100209 115.19	340-100209 127.82	350-100209 157.29
	6	---	320-100210 128.43	330-100210 160.56	340-100210 177.53	350-100210 194.40
	8	---	320-100211 157.23	330-100211 240.28	340-100211 260.36	350-100211 313.69
	10	---	320-100212 269.09	330-100212 319.99	340-100212 370.00	350-100212 544.51
	12	---	320-100213 359.88	330-100213 434.05	340-100213 539.03	350-100213 750.01

15° Elbow (Soc x Soc)

	4	---	---	330-100233 32.07	340-100233 35.51	350-100233 42.60
	6	310-100234 28.74	320-100234 37.66	330-100234 45.37	340-100234 49.69	350-100234 53.00
	8	310-100235 45.37	320-100235 57.57	330-100235 69.72	340-100235 86.15	350-100235 99.10
	10	310-100236 64.19	320-100236 91.87	330-100236 127.34	340-100236 149.13	350-100236 199.88
	12	310-100237 104.03	320-100237 143.95	330-100237 207.09	340-100237 234.16	350-100237 333.59
	15	310-100238* 174.94	---	---	---	---

* 15" PIP O.D.

15° Elbow (Gasket x Spigot)

	4	---	---	330-100305 115.19	340-100305 127.82	350-100305 157.29
	6	---	320-100306 128.43	330-100306 160.56	340-100306 177.53	350-100306 194.40
	8	---	320-100307 157.23	330-100307 240.28	340-100307 260.36	350-100307 313.69
	10	---	320-100308 269.09	330-100308 319.99	340-100308 370.00	350-100308 544.51
	12	---	320-100309 359.88	330-100309 434.05	340-100309 539.03	350-100309 750.01

15° Elbow (Gasket x Gasket)

	4	---	---	330-100329 115.19	340-100329 127.82	350-100329 157.29
	6	---	320-100330 128.43	330-100330 160.56	340-100330 177.53	350-100330 194.40
	8	---	320-100331 169.00	330-100331 240.28	340-100331 260.36	350-100331 313.69
	10	---	320-100332 250.56	330-100332 319.99	340-100332 370.00	350-100332 544.51
	12	---	320-100333 361.30	330-100333 434.05	340-100333 539.03	350-100333 750.01

Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

22-1/2° Elbow (Soc x Soc)

	4	---	---	330-100353 32.07	340-100353 35.51	350-100353 42.60
	6	310-100354 28.74	320-100354 37.66	330-100354 45.37	340-100354 49.69	350-100354 53.00
	8	310-100355 45.37	320-100355 57.57	330-100355 69.72	340-100355 86.15	350-100355 99.10
	10	310-100356 64.19	320-100356 91.87	330-100356 127.34	340-100356 149.13	350-100356 199.88
	12	310-100357 104.03	320-100357 143.95	330-100357 207.09	340-100357 234.16	350-100357 333.59
	15	310-100358* 174.94	---	---	---	---

* 15" PIP O.D.

22-1/2° Elbow (Gasket x Spigot)

	4	---	---	330-100425 115.19	340-100425 127.82	350-100425 157.29
	6	---	320-100426 128.43	330-100426 160.56	340-100426 177.53	350-100426 194.40
	8	---	320-100427 157.23	330-100427 240.28	340-100427 260.36	350-100427 313.69
	10	---	320-100428 269.09	330-100428 319.99	340-100428 370.00	350-100428 544.51
	12	---	320-100429 359.88	330-100429 434.05	340-100429 539.03	350-100429 750.01

22-1/2° Elbow (Gasket x Gasket)

	4	---	---	330-100449 115.19	340-100449 127.82	350-100449 157.29
	6	---	320-100450 128.43	330-100450 160.56	340-100450 177.53	350-100450 194.40
	8	---	320-100451 157.23	330-100451 240.28	340-100451 260.36	350-100451 313.69
	10	---	320-100452 269.09	330-100452 319.99	340-100452 370.00	350-100452 544.51
	12	---	320-100453 359.88	330-100453 434.05	340-100453 539.03	350-100453 750.01

30° Elbow (Soc x Soc)

	4	---	---	330-100473 39.84	340-100473 83.89	350-100473 139.47
	6	310-100474 39.84	320-100474 49.84	330-100474 56.45	340-100474 205.45	350-100474 248.29
	8	310-100475 58.65	320-100475 83.04	330-100475 87.45	340-100475 279.44	350-100475 333.59
	10	310-100476 85.26	320-100476 127.34	330-100476 180.48	340-100476 432.99	350-100476 522.48
	12	310-100477 138.41	320-100477 186.01	330-100477 264.64	340-100477 627.38	350-100477 730.11
	15	310-100478 207.09	---	---	---	---

30° Elbow (Gasket x Spigot)

	4	---	---	330-100545 132.17	340-100545 159.05	350-100545 166.78
	6	---	320-100546 171.61	330-100546 182.68	340-100546 236.38	350-100546 289.37
	8	---	320-100547 211.45	330-100547 256.88	340-100547 347.93	350-100547 430.76
	10	---	320-100548 297.85	330-100548 377.55	340-100548 577.67	350-100548 719.10
	12	---	320-100549 411.93	330-100549 548.10	340-100549 764.35	350-100549 902.43

30° Elbow (Gasket x Gasket)

	4	---	---	330-100569 132.17	340-100569 159.05	350-100569 166.78
	6	---	320-100570 171.61	330-100570 182.68	340-100570 236.38	350-100570 289.37
	8	---	320-100571 211.45	330-100571 256.88	340-100571 347.93	350-100571 430.76
	10	---	320-100572 297.85	330-100572 377.55	340-100572 577.67	350-100572 719.10
	12	---	320-100573 411.93	330-100573 548.10	340-100573 764.35	350-100573 902.43



Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

45° Elbow (Soc x Soc)

	6	310-100592 39.84	320-100592 49.84	330-100592 56.45	340-100592 205.45	350-100592 214.26
	8	310-100593 58.65	320-100593 83.04	330-100593 87.45	340-100593 279.44	350-100593 333.59
	10	310-100594 85.26	320-100594 127.34	330-100594 180.48	340-100594 432.99	350-100594 522.48
	12	310-100595 138.41	320-100595 186.01	330-100595 264.64	340-100595 627.38	350-100595 730.11
	15	310-100596* 207.09	---	---	---	---

* 15" PIP O.D.

45° Elbow (Gasket x Spigot)

	4	---	---	330-100657 132.17	340-100657 159.05	350-100657 166.78
	6	---	320-100658 134.04	330-100658 182.68	340-100658 236.38	350-100658 289.37
	8	---	320-100659 189.97	330-100659 256.88	340-100659 347.93	350-100659 430.76
	10	---	320-100660 272.71	330-100660 377.55	340-100660 577.67	350-100660 717.37
	12	---	320-100661 388.11	330-100661 548.10	340-100661 764.35	350-100661 902.43

45° Elbow (Gasket x Gasket)

	4	---	---	330-100679 132.17	340-100679 159.05	350-100679 166.78
	6	---	320-100680 134.04	330-100680 182.68	340-100680 236.38	350-100680 289.37
	8	---	320-100681 189.97	330-100681 256.88	340-100681 347.93	350-100681 430.76
	10	---	320-100682 272.71	330-100682 377.55	340-100682 577.67	350-100682 719.10
	12	---	320-100683 411.90	330-100683 548.10	340-100683 764.35	350-100683 902.43

60° Elbow (Soc x Soc)

	4	---	---	330-100701 71.26	---	---
	6	310-100702 75.29	320-100702 97.40	330-100702 108.49	340-100702 279.44	350-100702 302.65
	8	310-100703 102.96	320-100703 149.48	330-100703 178.24	340-100703 387.71	350-100703 439.61
	10	310-100704 160.56	320-100704 233.63	330-100704 282.35	340-100704 589.84	350-100704 724.57
	12	310-100705 229.20	320-100705 325.51	330-100705 431.85	340-100705 854.91	350-100705 972.02
	15	310-100706* 428.56	---	---	---	---

* 15" PIP O.D.

60° Elbow (Gasket x Spigot)

	4	---	---	330-100767 168.15	340-100767 250.72	350-100767 278.38
	6	---	320-100768 197.11	330-100768 226.99	340-100768 370.00	350-100768 388.80
	8	---	320-100769 298.97	330-100769 366.53	340-100769 527.96	350-100769 566.65
	10	---	320-100770 435.17	330-100770 576.87	340-100770 764.35	350-100770 933.33
	12	---	320-100771 583.55	330-100771 687.64	340-100771 1027.27	350-100771 1180.76

60° Elbow (Gasket x Gasket)

	4	---	---	330-100789 168.15	340-100789 250.72	350-100789 278.38
	6	---	320-100790 197.11	330-100790 226.99	340-100790 370.00	350-100790 388.80
	8	---	320-100791 298.97	330-100791 366.53	340-100791 527.96	350-100791 566.65
	10	---	320-100792 435.17	330-100792 576.87	340-100792 764.35	350-100792 933.33
	12	---	320-100793 583.55	330-100793 687.64	340-100793 1027.27	350-100793 1180.76

Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code 340	CLASS 100 Disc Code 350	CLASS 125 Disc Code 360	CLASS 160 Disc Code 370	CLASS 200 Disc Code 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Coupling (Soc x Soc)

	6	310-100002 21.04	320-100002 25.43	330-100002 28.74	340-100002 34.22	350-100002 41.99
	8	310-100003 36.52	320-100003 44.27	330-100003 47.62	340-100003 62.99	350-100003 80.62
	10	310-100004 43.19	320-100004 73.07	330-100004 87.45	340-100004 100.02	350-100004 175.63
	12	310-100005 66.43	320-100005 114.03	330-100005 140.64	340-100005 160.17	350-100005 263.99
	15	310-100006* 99.66	---	---	---	---

* 15" PIP O.D.

Coupling (Gasket x Spigot)

	4	---	320-100067 38.73	330-100067 49.84	340-100067 55.61	350-100067 67.34
	6	---	320-100068 60.86	330-100068 66.43	340-100068 89.48	350-100068 94.99
	8	---	320-100069 98.53	330-100069 119.55	340-100069 142.50	350-100069 159.05
	10	---	320-100070 130.64	330-100070 159.44	340-100070 208.77	350-100070 263.99
	12	---	320-100071 180.48	330-100071 217.02	340-100071 313.69	350-100071 377.73

Coupling (Gasket x Gasket)

	4	---	320-100089 60.86	330-100089 71.96	340-100089 78.88	350-100089 86.76
	6	---	320-100090 91.87	330-100090 102.96	340-100090 108.20	350-100090 136.95
	8	---	320-100091 137.31	330-100091 149.48	340-100091 162.03	350-100091 181.15
	10	---	320-100092 194.86	330-100092 217.02	340-100092 261.80	350-100092 313.69
	12	---	320-100093 256.88	330-100093 297.85	340-100093 344.62	350-100093 467.20

Reducer Coupling (Soc x Soc)

	6X4	310-100926 28.74	320-100926 32.07	330-100926 36.52	340-100926 38.62	350-100926 48.59
	8X6	310-100928 37.66	320-100928 50.90	330-100928 56.45	340-100928 61.84	350-100928 67.34
	10X8	310-100931 53.13	320-100931 101.12	330-100931 90.78	340-100931 114.86	350-100931 136.95
	12X10	310-100935 93.03	320-100935 138.41	330-100935 172.70	340-100935 210.96	350-100935 225.33
	15X12	310-100940** 174.94	---	---	---	---

** 15" PIP O.D. x IPS

Reducer Coupling (Gasket x Spigot)

	6X4	---	320-101310 91.68	330-101310 108.49	340-101310 126.99	350-101310 140.27
	8X6	---	320-101312 131.72	330-101312 160.56	340-101312 197.69	350-101312 219.81
	10X8	---	320-101315 182.68	330-101315 217.02	340-101315 271.73	350-101315 309.26
	12X10	---	320-101319 259.09	330-101319 312.26	340-101319 439.61	350-101319 495.94

Reducer Coupling (Spigot x Gasket)

	6X4	---	320-101383 86.35	330-101383 97.40	340-101383 106.05	350-101383 121.48
	8X6	---	320-101385 115.19	330-101385 137.31	340-101385 175.63	350-101385 199.88
	10X8	---	320-101388 171.61	330-101388 211.45	340-101388 255.17	350-101388 300.43
	12X10	---	320-101392 256.88	330-101392 294.55	340-101392 414.20	350-101392 485.99



Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Reducer Coupling (Gasket x Gasket)

	6X4	---	320-101456 115.19	330-101456 126.19	340-101456 149.13	350-101456 163.46
	8X6	---	320-101458 166.07	330-101458 182.68	340-101458 239.67	350-101458 261.80
	10X8	---	320-101461 229.20	330-101461 285.67	340-101461 342.37	350-101461 500.36
	12X10	---	320-101465 317.79	330-101465 359.88	340-101465 454.60	350-101465 744.48

Repair Coupling (Gasket x Gasket)

	4	---	3228-040 67.24	3328-040 71.96	3428-040 95.04	3528-040 115.29
	6	---	3228-060 94.20	3328-060 97.40	3428-060 121.55	3528-060 140.79
	8	---	3228-080 143.74	3328-080 149.48	3428-080 174.01	3528-080 189.66
	10	---	3228-100 205.22	3328-100 222.56	3428-100 274.04	3528-100 304.22
	12	---	3228-120 274.94	3328-120 297.85	3428-120 356.80	3528-120 424.88
	14	---	3228-140 394.85	3328-140 415.45	3428-140 450.95	---
	16	---	3228-160 520.64	3328-160 591.43	3428-160 641.51	---

Cross (Soc x Soc x Soc x Soc)

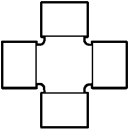
	4X2	---	320-103280 55.34	330-103280 83.04	---	---
	4X3	---	320-103281 60.86	330-103281 85.81	---	---
	6	310-103286 91.87	320-103286 159.44	330-103286 180.48	340-103286 372.21	350-103286 408.67
	6X2	310-103283 63.12	320-103283 68.66	330-103283 91.87	340-103283 272.83	350-103283 275.04
	6X3	310-103284 71.96	320-103284 86.35	330-103284 115.19	340-103284 283.86	350-103284 289.37
	6X4	310-103285 77.51	320-103285 97.40	330-103285 131.72	340-103285 305.96	350-103285 328.06
	8	310-103291 119.55	320-103291 207.09	330-103291 251.35	340-103291 561.10	350-103291 599.78
	8X2	310-103287 80.81	320-103287 102.96	330-103287 115.19	340-103287 350.16	350-103287 355.51
	8X3	310-103288 86.35	320-103288 115.19	330-103288 126.19	340-103288 361.17	350-103288 399.85
	8X4	310-103289 98.53	320-103289 131.72	330-103289 151.66	340-103289 386.57	350-103289 421.91
	8X6	310-103290 108.49	320-103290 160.56	330-103290 190.45	340-103290 450.67	350-103290 483.80
	10	310-103297 193.77	320-103297 308.91	330-103297 434.05	340-103297 927.83	350-103297 989.36
	10X2	310-103292 98.53	320-103292 142.79	330-103292 169.40	340-103292 542.33	350-103292 588.76
	10X3	310-103293 108.49	320-103293 161.64	330-103293 203.71	340-103293 550.06	350-103293 603.06
	10X4	310-103294 119.55	320-103294 180.48	330-103294 230.31	340-103294 597.54	350-103294 632.91
	10X6	310-103295 132.86	320-103295 200.41	330-103295 267.96	340-103295 667.15	350-103295 705.82
	10X8	310-103296 151.66	320-103296 245.81	330-103296 333.30	340-103296 750.01	350-103296 803.01
	12	310-103304 302.28	320-103304 476.11	330-103304 700.91	340-103304 1374.07	350-103304 1588.34
	12X2	310-103298 140.64	320-103298 188.23	330-103298 274.59	340-103298 689.27	350-103298 694.74
	12X3	310-103299 153.87	320-103299 217.02	330-103299 285.67	340-103299 725.83	350-103299 763.39
	12X4	310-103300 163.86	320-103300 259.50	330-103300 319.99	340-103300 819.56	350-103300 832.84
	12X6	310-103301 172.70	320-103301 270.16	330-103301 367.61	340-103301 900.20	350-103301 916.79
	12X8	310-103302 199.30	320-103302 315.56	330-103302 431.85	340-103302 1005.12	350-103302 1027.27
	12X10	310-103303 238.02	320-103303 391.95	330-103303 548.10	340-103303 1152.02	350-103303 1194.01

Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

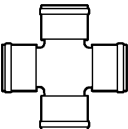
Cross (Soc x Soc x Soc x Soc) (continued)

	15	310-103321* 513.79	---	---	---	---
	15X2	310-103313** 221.44	---	---	---	---
	15X3	310-103314** 249.16	---	---	---	---
	15X4	310-103315** 274.59	---	---	---	---
	15X6	310-103316** 314.48	---	---	---	---
	15X8	310-103317** 343.24	---	---	---	---
	15X10	310-103318** 372.03	---	---	---	---
	15X12	310-103319** 411.93	---	---	---	---

* 15" PIP O.D.

** 15" PIP O.D. x IPS

Cross (Gasket x Gasket x Gasket x Gasket)

	4	---	320-103997 193.77	330-103997 210.39	340-103997 263.00	350-103997 284.04
	6	---	320-104001 225.86	330-104001 283.44	340-104001 472.72	350-104001 599.78
	6X4	---	320-104000 204.85	330-104000 260.20	340-104000 372.21	350-104000 467.20
	8	---	320-104006 369.84	330-104006 423.00	340-104006 733.44	350-104006 911.28
	8X4	---	320-104004 276.81	330-104004 321.09	340-104004 508.04	350-104004 610.81
	8X6	---	320-104005 332.16	330-104005 365.37	340-104005 609.71	350-104005 711.32
	10	---	320-104012 555.87	330-104012 735.28	340-104012 1221.63	350-104012 1360.80
	10X4	---	320-104009 387.54	330-104009 470.60	340-104009 660.51	350-104009 788.67
	10X6	---	320-104010 442.89	330-104010 487.21	340-104010 808.54	350-104010 900.20
	10X8	---	320-104011 498.29	330-104011 636.71	340-104011 994.11	350-104011 1027.27
	12	---	320-104019 754.06	330-104019 1032.04	340-104019 1702.11	350-104019 1916.39
	12X4	---	320-104015 553.65	330-104015 609.03	340-104015 968.66	350-104015 1111.17
	12X6	---	320-104016 609.03	330-104016 642.23	340-104016 1110.70	350-104016 1185.18
	12X8	---	320-104017 664.37	330-104017 752.97	340-104017 1253.63	350-104017 1281.28
	12X10	---	320-104018 708.69	330-104018 907.99	340-104018 1469.07	350-104018 1499.99

Surface Reducer (Soc)

	6X2	310-102013 30.99	---	330-102013 44.27	---	---
	6X3	310-102015 30.99	---	330-102015 44.27	---	---
	6X4	310-102016 30.99	---	---	---	---
	8X2	310-102018 42.02	---	330-102018 88.59	---	---
	8X3	310-102020 42.02	---	330-102020 88.59	---	---
	8X4	310-102021 42.02	---	330-102021 88.59	---	---
	8X6	310-102022 42.02	---	3340-585 88.59	---	---
	10X2	310-102024 67.52	---	330-102024 138.41	---	---
	10X3	310-102026 67.52	---	330-102026 138.41	---	---
	10X4	310-102027 67.52	---	330-102027 138.41	---	---
	10X6	310-102028 67.52	---	330-102028 138.41	---	---

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 151



Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Surface Reducer (Soc) (continued)

	10X8	310-102029 67.52	---	330-102029 138.41	---	---
	12X2	310-102031 83.04	---	330-102031 249.16	---	---
	12X3	310-102033 83.04	---	330-102033 249.16	---	---
	12X4	310-102034 83.04	---	330-102034 249.16	---	---
	12X6	310-102035 83.04	---	330-102035 249.16	---	---
	12X8	310-102036 83.04	---	330-102036 249.16	---	---
	12X10	310-102037 83.04	---	330-102037 249.16	---	---

Cap (Soc)

	6	310-107540 21.04	---	330-107540 40.95	---	---
	8	310-107541 38.73	---	330-107541 53.13	---	---
	10	310-107542 66.43	---	330-107542 85.26	---	---
	12	310-107543 81.31	---	330-107543 163.86	---	---

Cap (Gasket)

	4	---	---	330-107565 74.71	---	---
	6	---	---	330-107566 106.27	---	---
	8	---	---	330-107567 180.48	---	---
	10	---	---	330-107568 291.18	---	---
	12	---	---	330-107569 439.59	---	---

Saddle (Soc)

	6	310-101937 29.90	---	---	---	---
	6X2	310-101789 23.22	---	330-101789 66.43	---	---
	6X3	310-101797 25.43	---	330-101797 77.51	---	---
	6X4	310-101804 28.74	---	330-101804 88.59	---	---
	8	310-101938 44.27	---	---	---	---
	8X2	310-101790 23.22	---	330-101790 66.43	---	---
	8X3	310-101798 25.43	---	330-101798 77.51	---	---
	8X4	310-101805 28.74	---	330-101805 88.59	---	---
	8X6	310-101811 29.90	---	330-101811 99.66	---	---
	10	310-101939 68.66	---	---	---	---
	10X2	310-101791 23.22	---	330-101791 66.43	---	---
	10X3	310-101799 25.43	---	330-101799 77.51	---	---
	10X4	310-101806 28.74	---	330-101806 88.59	---	---
	10X6	310-101812 29.90	---	330-101812 99.66	---	---
	10X8	310-101817 44.27	---	330-101817 110.71	---	---
	12	310-101940 102.71	---	---	---	---
	12X2	310-101792 31.14	---	330-101792 66.43	---	---

Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Saddle (Soc) (continued)

	12X3	310-101800 25.43	---	330-101800 77.51	---	---
	12X4	310-101807 28.74	---	330-101807 88.59	---	---
	12X6	310-101813 29.90	---	330-101813 99.66	---	---
	12X8	310-101818 44.27	---	330-101818 110.71	---	---
	12X10	310-101822 68.66	---	330-101822 121.79	---	---

Stub Saddle (Soc)

	6	310-101949 48.69	---	---	---	---
	6X2	310-101884 32.07	---	330-101884 58.65	---	---
	6X3	310-101892 37.66	---	330-101892 64.19	---	---
	6X4	310-101899 43.19	---	330-101899 71.96	---	---
	8	310-101950 66.43	---	---	---	---
	8X2	310-101885 32.07	---	330-101885 58.65	---	---
	8X3	310-101893 37.66	---	330-101893 64.19	---	---
	8X4	310-101900 43.19	---	330-101900 71.96	---	---
	8X6	310-101906 48.69	---	330-101906 87.45	---	---
	10	310-101951 91.87	---	---	---	---
	10X2	310-101886 32.07	---	330-101886 58.65	---	---
	10X3	310-101894 37.66	---	330-101894 64.19	---	---
	10X4	310-101901 43.19	---	330-101901 71.96	---	---
	10X6	310-101907 48.69	---	330-101907 87.45	---	---
	10X8	310-101912 66.43	---	330-101912 100.73	---	---
	12	310-101952 115.19	---	---	---	---
	12X2	310-101887 32.07	---	330-101887 58.65	---	---
	12X3	310-101895 37.66	---	330-101895 64.19	---	---
	12X4	310-101902 43.19	---	330-101902 83.07	---	---
	12X6	310-101908 48.69	---	330-101908 87.45	---	---
	12X8	310-101913 66.43	---	330-101913 100.73	---	---
	12X10	310-101917 91.87	---	330-101917 106.27	---	---



Turf & Irrigation
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Tee, Class 125 Molded



12501-100	10	1	0	361	359.77
12501-120	12	1	0	361	539.62

90° Elbow, Class 125 Molded



12506-100	10	1	0	361	301.77
12506-120	12	1	0	361	461.55

45° Elbow, Class 125 Molded



12517-100	10	1	0	361	192.89
12517-120	12	1	0	361	282.84

Coupling, Class 125 Molded



12529-100	10	1	0	361	93.47
12529-120	12	1	0	361	150.33

Reducer Coupling, Class 125 Molded



12529-626	10X6	2	0	361	155.84
12529-628	10X8	4	0	361	97.05
12529-668	12X8	2	0	361	231.88
12529-670	12X10	2	0	361	184.60

Reducer Bushing, Class 125 Molded



12537-626	10X6	1	2	361	147.94
12537-628	10X8	4	0	361	147.94
12537-668	12X8	1	2	361	266.31
12537-670	12X10	1	2	361	264.70

Barbed Insert Fittings Barbed Insert Fittings



STANDARDS & SPECIFICATIONS

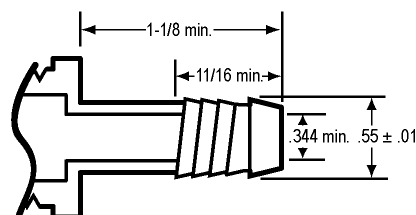


ASTM D 2609 Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe.

Material Spears® Insert Fittings are produced from PVC Type 1, Cell Classification 12454, CPVC Cell Classification 23447 or Polypropylene (PP).

It is the user's responsibility to determine the suitability for the intended service application.

Dimensions of Spiral Barb Ends

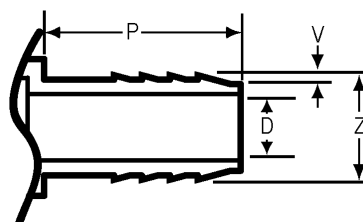


Dimensions of Polyethylene Pipe ASTM D 2104 and D 2239

Spears® Manufacturing Company Insert Fittings are designed for use with polyethylene pipe produced with average inside diameter as shown in the chart below.

Nominal Size in.	Average I.D. in.	Tolerance in.
1/2	.622	+0.010 -0.010
3/4	.824	+0.010 -0.015
1	1.049	+0.010 -0.020
1-1/4	1.380	+0.010 -0.020
1-1/2	1.610	+0.015 -0.020
2	2.067	+0.015 -0.020
2-1/2	2.469	+0.010 -0.025
3	3.068	+0.015 -0.030
4	4.026	+0.015 -0.035

Dimensions of Insert Ends ASTM D 2609



Nominal Size	Insert Length "P"	Barb O.D. "Z"		Barb Depth "V"	Inside Diameter "D"
in.	min.	max.	min.	min.	min.
1/2	1-1/4	0.665	0.635	0.015	0.406
3/4	1-1/4	0.865	0.835	0.015	0.562
1	1-1/4	1.095	1.065	0.02	0.75
1-1/4	1-1/4	1.425	1.395	0.025	0.995
1-1/2	1-1/2	1.665	1.63	0.03	1.125
2	1-1/2	2.125	2.085	0.03	1.656
2-1/2	2	2.52	2.487	0.03	2.062
3	2-1/8	3.125	3.086	0.03	2.6
4	3	4.09	4.044	0.03	3.525

INSERT FITTING INSTALLATION

Pipe is cut to length with handsaw or knife. When installing flexible lines, (a) snake line one foot or more per 100 lineal feet, (b) cold water should be run through lines prior to backfilling to permit pipe to contract, (c) care should be taken to prevent large and sharp-edged rocks from being in position to crush pipe. Insert fittings are used to join lengths of flexible pipe. Stainless steel clamps are first slipped over ends of pipe, fitting is inserted and steel clamps are tightened securely over barbs on fittings. DO NOT use oil or detergent on any fittings. Use plain water or soapy water as lubricant on fitting. For attachment to previously installed metallic systems or threaded fixtures, the insert adapter is utilized. Apply thread sealant to the threaded end of adapter and tighten into female connection. Steel clamp is then slipped over pipe end and pipe slipped over serrated end of insert adapter. Steel clamp is then positioned over serrations on insert adapter and securely tightened with a screwdriver.

SPIRAL BARB FITTING INSTALLATION

Spiral Barb fittings are designed for use with 1/2" (.490) polyethylene irrigation hose and do not require steel clamps. Install with a twisting motion to fully engage barbs.

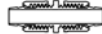


Barbed Insert Fittings Barbed Insert Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Twist Lock Coupling

Loc Insert x Loc Insert

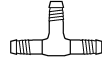


Requires NO Clamps

1429TL-005	1/2	50	600	140	5.68
1429TL-007	3/4	50	600	140	6.91
1429TL-010	1	50	400	140	8.22

PVC Spiral Barb Tee

Spiral Barb

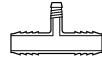


3/8" Spiral Barb accepts .490 Irrigation Pipe.

1401-003	3/8	50	800	140	1.72
----------	-----	----	-----	-----	------

PVC Spiral Barb Tee

Insert x Insert x Spiral Barb

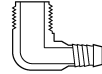


3/8" Spiral Barb accepts .490 Irrigation Pipe.

1401-099	3/4X3/8	25	450	140	3.13
1401-129	1X3/8	25	200	140	3.40

PP Spiral Barb 90° El

Mipt x Spiral Barb

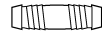


3/8" Spiral Barb accepts .490 Irrigation Pipe.

1413-073	1/2X3/8	50	200	140	1.23
1413-099	3/4X3/8	50	200	140	1.23

PVC Spiral Barb Coupling

Spiral Barb x Spiral Barb



3/8" Spiral Barb accepts .490 Irrigation Pipe.

1429-003	3/8	50	300	140	1.85
----------	-----	----	-----	-----	------

PVC Spiral Barb Coupling

Insert x Spiral Barb



3/8" Spiral Barb accepts .490 Irrigation Pipe.

1429-099	3/4X3/8	50	600	140	2.02
1429-129	1X3/8	50	200	140	2.16

PP Spiral Barb Male Adapter

Mipt x Spiral Barb



3/8" Spiral Barb accepts .490 Irrigation Pipe.

1436-073	1/2X3/8	50	300	140	1.23
1436-099	3/4X3/8	50	300	140	1.23

PVC Tee

Insert x Insert x Insert



1401-005	1/2	50	400	140	2.00
1401-007	3/4	50	0	140	2.17
1401-010	1	25	150	140	2.82
1401-012	1-1/4	10	80	140	4.41
1401-015	1-1/2	10	0	140	5.00
1401-020	2	10	0	140	9.86

PVC Reducing Tee

Insert x Insert x Insert



1401-074	1/2X3/4	25	400	140	5.41
1401-094	3/4X1/2X1/2	25	300	140	2.71
1401-101	3/4X1/2	25	150	140	2.45

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Reducing Tee (continued)

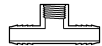
Insert x Insert x Insert

1401-102	3/4X1	25	275	140	6.23
1401-124	1X3/4X1/2	25	200	140	3.94
1401-125	1X3/4X3/4	25	200	140	4.68
1401-130	1X1/2	25	200	140	2.87
1401-131	1X3/4	25	200	140	2.90
1401-132	1X1-1/4	25	0	140	8.70
1401-156	1-1/4X1X1/2	25	0	140	5.38
1401-157	1-1/4X1X3/4	25	0	140	5.38
1401-158	1-1/4X1X1	25	0	140	5.38
1401-166	1-1/4X1/2	25	0	140	3.78
1401-167	1-1/4X3/4	25	0	140	3.78
1401-168	1-1/4X1	25	0	140	3.78
1401-201	1-1/2X1-1/4X3/4	10	80	140	6.77
1401-202	1-1/2X1-1/4X1	10	80	140	6.77
1401-203	1-1/2X1-1/4X1-1/4	10	0	140	6.77
1401-209	1-1/2X1/2	10	80	140	6.59
1401-210	1-1/2X3/4	10	80	140	6.59
1401-211	1-1/2X1	10	80	140	6.59
1401-212	1-1/2X1-1/4	10	0	140	6.59
1401-241	2X1-1/2X1-1/2	10	0	140	8.70
1401-247	2X1/2	10	0	140	9.38
1401-248	2X3/4	10	0	140	9.38
1401-249	2X1	10	0	140	9.38
1401-250	2X1-1/4	10	0	140	9.82
1401-251	2X1-1/2	10	0	140	10.11
1401-335*	3X1	5	0	140	104.88
1401-338*	3X2	5	0	140	115.59

* Fabricated

PVC Tee

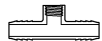
Insert x Insert x Fipt



1402-005	1/2	50	400	140	2.17
1402-007	3/4	50	0	140	3.27
1402-010	1	25	0	140	3.85
1402-012	1-1/4	10	0	140	5.65
1402-015	1-1/2	10	0	140	9.82
1402-020	2	10	0	140	12.18

PVC Reducing Tee

Insert x Insert x Fipt



1402-094	3/4X1/2X1/2	25	200	140	3.54
1402-101	3/4X1/2	25	150	140	2.71
1402-124	1X3/4X1/2	25	200	140	4.43
1402-125	1X3/4X3/4	25	0	140	5.28
1402-130	1X1/2	25	200	140	3.55
1402-131	1X3/4	25	200	140	3.55
1402-156	1-1/4X1X1/2	25	0	140	6.55
1402-157	1-1/4X1X3/4	25	0	140	7.66
1402-166	1-1/4X1/2	25	0	140	4.85
1402-167	1-1/4X3/4	25	0	140	5.35
1402-168	1-1/4X1	25	0	140	5.65
1402-199	1-1/2X1-1/4X1/2	25	0	140	10.31
1402-201	1-1/2X1-1/4X3/4	10	0	140	11.48
1402-202	1-1/2X1-1/4X1	10	0	140	13.13
1402-209	1-1/2X1/2	10	80	140	7.46
1402-210	1-1/2X3/4	10	80	140	8.83
1402-211	1-1/2X1	10	0	140	8.83
1402-212	1-1/2X1-1/4	10	0	140	9.05
1402-247	2X1/2	10	0	140	10.00
1402-248	2X3/4	10	0	140	10.56
1402-249	2X1	10	0	140	11.63
1402-251	2X1-1/2	10	0	140	12.18

Barbed Insert Fittings Barbed Insert Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Tee

Insert x Insert x Mipt



1403-005	1/2	50	500	140	2.77
1403-007	3/4	50	0	140	3.78
1403-010	1	25	0	140	4.85
1403-012	1-1/4	10	80	140	6.31
1403-015	1-1/2	10	0	140	7.06
1403-020	2	10	0	140	10.98

PVC Reducing Tee

Insert x Insert x Mipt



1403-130	1X1X1/2	25	200	140	4.63
1403-131	1X1X3/4	25	0	140	4.63

PVC Tee

Insert x Insert x Socket



1404-010	1	25	0	140	3.85
----------	---	----	---	-----	------

PVC Reducing Tee

Insert x Insert x Socket



1404-102	3/4X3/4X1	100	0	140	6.23
----------	-----------	-----	---	-----	------

PVC Side Outlet Tee

Insert x Insert x Insert x Fipt



1416-007	3/4X3/4	50	0	140	6.80
----------	---------	----	---	-----	------

PVC Reducing Side Outlet Tee

Insert x Insert x Insert x Fipt



1416-101	3/4X1/2	50	0	140	6.80
1416-130	1X1/2	50	0	140	7.24
1416-131	1X3/4	50	0	140	7.24

PVC 90° EII

Insert x Insert



1406-005	1/2	50	1000	140	1.83
1406-007	3/4	50	400	140	2.24
1406-010	1	25	200	140	2.48
1406-012	1-1/4	10	180	140	2.77
1406-015	1-1/2	10	80	140	3.27
1406-020	2	10	0	140	4.56
1406-025	2-1/2	10	0	140	20.59
1406-040*	4	2	0	140	68.15

* Assembled

PVC 90° Reducing EII

Insert x Insert



1406-101	3/4X1/2	25	300	140	2.12
1406-131	1X3/4	25	300	140	2.60
1406-168	1-1/4X1	25	0	140	3.85
1406-212	1-1/2X1-1/4	10	80	140	4.56
1406-251	2X1-1/2	10	0	140	5.02

PVC 90° EII

Insert x Fipt



1407-005	1/2	50	400	140	2.06
1407-007	3/4	50	0	140	2.24

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

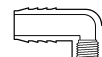
PVC 90° EII (continued)

Insert x Fipt

1407-010	1	25	0	140	2.87
1407-012	1-1/4	10	140	140	4.26
1407-015	1-1/2	10	0	140	4.85
1407-020	2	10	0	140	8.19

PVC 90° Reducing EII

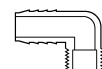
Insert x Fipt



1407-074	1/2X3/4	50	400	140	2.12
1407-101	3/4X1/2	50	400	140	2.12
1407-130	1X1/2	25	300	140	2.24
1407-131	1X3/4	25	200	140	2.60
1407-166	1-1/4X1/2	25	200	140	3.85
1407-167	1-1/4X3/4	25	250	140	3.85
1407-168	1-1/4X1	25	0	140	3.85
1407-211	1-1/2X1	10	80	140	4.38
1407-212	1-1/2X1-1/4	10	80	140	4.76
1407-251	2X1-1/2	10	0	140	7.77

PVC 90° EII

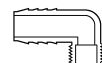
Insert x Mipt



1413-005	1/2	50	600	140	2.30
1413-007	3/4	50	400	140	3.18
1413-010	1	25	200	140	4.18
1413-012	1-1/4	10	120	140	5.56
1413-015	1-1/2	10	80	140	7.38
1413-015H	1-1/2	10	80	140	7.38
1413-020	2	10	0	140	11.65

PVC 90° Reducing EII

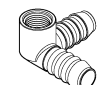
Insert x Mipt



1413-055	3/8X3/4	50	200	140	2.48
1413-101	3/4X1/2	50	300	140	3.98
1413-130	1X1/2	50	400	140	4.53
1413-131	1X3/4	50	0	140	4.86

PVC 90° Side Outlet EII

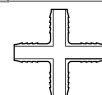
Insert x Insert x Fipt



1414-101	3/4X3/4X1/2	50	0	140	5.28
1414-130	1X1X1/2	25	200	140	5.67
1414-131	1X3/4	50	0	140	5.67

PVC Cross

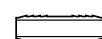
Insert



1420-005	1/2	50	0	140	3.87
1420-007	3/4	25	150	140	5.24
1420-010	1	25	0	140	6.52

PVC Coupling

Insert x Insert



1429-005	1/2	50	600	140	.93
1429-007	3/4	50	600	140	1.12
1429-010	1	50	400	140	1.17
1429-012	1-1/4	25	200	140	1.73
1429-015	1-1/2	25	0	140	2.05
1429-020	2	25	0	140	3.88
1429-025	2-1/2	10	0	140	10.05
1429-030	3	10	0	140	17.07
1429-040	4	10	0	140	23.24

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 157



Barbed Insert Fittings Barbed Insert Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Coupling (continued)

Insert x Insert

1429-060	6	8	0	140	65.85
1429-080*	8	4	0	140	142.56

* Fabricated

PVC Reducer Coupling

Insert x Insert



1429-101	3/4X1/2	50	600	140	1.52
1429-130	1X1/2	50	400	140	2.09
1429-131	1X3/4	50	400	140	1.56
1429-1315	1X7/8	50	400	140	3.19
1429-167	1-1/4X3/4	25	300	140	3.19
1429-168	1-1/4X1	25	200	140	2.48
1429-210	1-1/2X3/4	25	275	140	3.88
1429-211	1-1/2X1	25	200	140	3.73
1429-212	1-1/2X1-1/4	25	0	140	2.90
1429-249	2X1	10	80	140	5.28
1429-250	2X1-1/4	10	80	140	4.91
1429-251	2X1-1/2	10	80	140	4.67
1429-291	2-1/2X1-1/2	10	0	140	13.37
1429-338*	3X2	12	0	140	37.80
1429-422	4X3	18	0	140	66.45
1429-532	6X4	8	0	140	75.59

* Fabricated

Insert Adapter (White PVC)

Insert x I.P.S. Spigot



460-005	1/2	50	300	040	2.15
460-007	3/4	50	200	040	2.82
460-007N	3/4X3/4X1/2	50	200	040	2.82
460-010	1	50	0	040	2.95
460-012	1-1/4	20	160	040	3.04
460-012N	1-1/4X1-1/4X1	20	160	040	3.04
460-015	1-1/2	25	0	040	3.27
460-020	2	10	0	040	5.43
460-030	3	25	0	040	18.34
460-040	4	10	0	040	21.13
460-131N	3/4X1X3/4	20	160	040	3.29
460-132N	1X1-1/4X1	20	160	040	3.55
1432-060	6	8	0	140	90.83
1432-080*	8	4	0	140	180.33

N = Nesting

* Fabricated

Insert Adapter (PVC Gray)

Insert x I.P.S. Spigot



460-005G	1/2	50	300	043	2.38
460-007G	3/4	50	200	043	3.14
460-010G	1	50	0	043	3.27
460-012G	1-1/4	20	160	043	3.38
460-015G	1-1/2	25	0	043	3.63
460-020G	2	10	0	043	6.04

Insert Adapter 90° Ell (White PVC)

Insert x I.P.S. Spigot



460A-015	1-1/2	10	80	040	6.49
----------	-------	----	----	-----	------

Insert Adapter (White PVC)

Insert x Soc



474-005	1/2	50	600	040	1.96
474-007	3/4	50	400	040	2.35

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Insert Adapter (White PVC) (continued)

Insert x Soc

474-010	1	50	0	040	2.49
474-012	1-1/4	25	0	040	3.95
474-015	1-1/2	25	0	040	4.38
474-020	2	25	0	040	8.11
474-030	3	15	0	040	24.18
474-040	4	15	0	040	27.64

Insert Adapter (PVC Gray)

Insert x Soc



474-005G	1/2	50	600	043	2.17
474-007G	3/4	50	400	043	2.62
474-010G	1	50	0	043	2.77
474-012G	1-1/4	25	0	043	4.39
474-015G	1-1/2	25	0	043	4.55
474-020G	2	25	0	043	9.01

PVC Female Adapter

Fipt x Insert



1435-005	1/2	50	300	140	4.07
1435-007	3/4	50	400	140	4.43
1435-010	1	50	0	140	4.91
1435-012	1-1/4	25	0	140	6.03
1435-015	1-1/2	25	0	140	7.66
1435-020	2	10	0	140	9.73

CPVC Female Adapter

Fipt x Insert



1435-005C	1/2	50	300	143	4.63
1435-007C	3/4	50	400	143	6.32
1435-010C	1	50	0	143	7.18
1435-012C	1-1/4	25	0	143	7.88
1435-015C	1-1/2	25	0	143	9.95
1435-020C	2	10	0	143	13.03

Special Reinforced PVC Female Adapter

SR FiPt x Insert



1435-005SR	1/2	50	400	142	5.44
1435-007SR	3/4	50	400	142	6.43
1435-010SR	1	50	0	142	7.67

PVC Reducing Female Adapter

Fipt x Insert



1435-074	1/2X3/4	50	500	140	5.67
1435-102	3/4X1	50	0	140	5.86

PVC Male Adapter

Mipt x Insert



1436-005	1/2	50	600	140	.91
1436-007	3/4	50	400	140	1.12
1436-010	1	50	0	140	1.16
1436-012	1-1/4	20	160	140	1.83
1436-015	1-1/2	25	0	140	2.05
1436-020	2	10	0	140	3.93
1436-025	2-1/2	10	0	140	16.15
1436-030	3	10	0	140	18.63
1436-040	4	10	0	140	25.90
1436-060*	6	4	0	140	131.43

* Fabricated

Barbed Insert Fittings Barbed Insert Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Male Adapter

Mipt x Insert



1436-005C	1/2	1400	0	143	1.32
1436-007C	3/4	50	400	143	1.61
1436-010C	1	50	0	143	1.65
1436-012C	1-1/4	20	160	143	2.48
1436-015C	1-1/2	25	0	143	2.95
1436-020C	2	10	0	143	5.62
1436-030C	3	10	0	143	25.43
1436-040C	4	10	0	143	39.31

PVC Reducing Male Adapter

Mipt x Insert



1436-074	1/2X3/4	50	300	140	2.90
1436-075	1/2X1	50	200	140	3.01
1436-101	3/4X1/2	50	600	140	2.62
1436-102	3/4X1	50	400	140	3.01
1436-131	1X3/4	50	0	140	2.71
1436-132	1X1-1/4	25	200	140	3.66
1436-133	1X1-1/2	25	0	140	5.51
1436-167	1-1/4X3/4	25	200	140	3.19
1436-168	1-1/4X1	25	200	140	3.43
1436-169	1-1/4X1-1/2	10	120	140	5.51
1436-211	1-1/2X1	25	0	140	4.18
1436-212	1-1/2X1-1/4	25	0	140	4.18
1436-213	1-1/2X2	10	80	140	7.09
1436-251	2X1-1/2	10	80	140	7.03

PVC Female Hose Adapter

Female Hose Thread x Insert



1435-007FHT	3/4	50	400	140	5.28
-------------	-----	----	-----	-----	------

PVC Male Hose Adapter

Male Hose Thread x Insert



1436-007MHT	3/4	50	400	140	2.73
-------------	-----	----	-----	-----	------

PVC Reducing Male Hose Adapter

Male Hose Thread x Insert



1436-101MHT	3/4X1/2	50	600	140	2.60
1436-102MHT	3/4X1	50	400	140	2.98

PVC Pool Adapter

Mipt x Hose ID



Not NSF Approved

1436-204	1-1/2X1-1/2X1-1/4	25	0	140	5.24
----------	-------------------	----	---	-----	------

PP Pool Adapter

Mipt x Hose ID



Not NSF Approved

1436-204P	1-1/2X1-1/2X1-1/4	25	0	140	5.24
-----------	-------------------	----	---	-----	------

PVC Plug

Insert



1449-005	1/2	100	600	140	1.66
1449-007	3/4	100	1200	140	1.73
1449-010	1	50	600	140	2.34
1449-012	1-1/4	25	300	140	2.97

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Plug (continued)

Insert

1449-015	1-1/2	25	300	140	3.23
1449-020	2	10	120	140	5.69



Nipples PVC, CPVC & PE Nipples

PVC Schedule 80 Nipple

Diameter ⇨		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"	12"
Diameter Code ⇨		879	880	881	882	883	884	885	886	887	888	889	890	892	893	894	895
Length ⇩	Length Code ⇩	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120
CL	-005	.97	.89	.89	1.05	1.12	1.48	2.16	2.36	3.10	10.61	12.67	20.70	22.71	62.82	72.10	78.31
1-1/2	-015	1.12	.97	.89	1.05	1.12	---	---	---	---	---	---	---	---	---	---	---
2	-020	1.27	.97	1.12	1.12	1.12	1.65	2.22	2.60	---	---	---	---	---	---	---	---
2-1/2	-025	1.34	1.43	1.56	1.12	1.27	1.73	2.22	2.76	3.65	---	---	---	---	---	---	---
3	-030	1.34	1.43	1.56	1.27	1.27	1.88	2.52	2.97	3.70	12.09	13.82	---	---	---	---	---
3-1/2	-035	1.48	1.91	2.22	1.27	1.43	2.01	2.89	3.30	4.31	13.82	16.15	21.07	---	---	---	---
4	-040	1.48	1.91	2.22	1.43	1.48	2.16	2.89	3.30	4.31	13.82	16.15	21.71	---	---	---	---
4-1/2	-045	1.67	2.22	2.41	1.48	1.73	2.36	3.30	3.95	5.12	15.64	18.47	23.41	32.19	71.91	85.87	---
5	-050	1.67	2.22	2.41	1.65	1.73	2.60	3.30	3.95	5.12	15.64	18.47	24.35	35.33	74.96	90.07	107.64
5-1/2	-055	1.91	2.41	2.60	1.65	1.88	2.89	3.70	4.44	5.54	17.61	20.70	25.87	38.51	77.99	95.04	113.96
6	-060	1.91	2.41	2.60	1.73	2.16	2.97	3.70	4.44	5.54	17.61	20.70	27.07	42.02	81.03	99.63	120.26
7	-070	2.22	2.52	2.76	2.01	2.22	3.27	4.22	4.76	6.79	20.33	25.87	30.78	48.28	87.12	108.80	132.86
8	-080	2.52	2.60	2.97	2.16	2.52	3.49	4.44	5.31	7.04	21.32	25.87	33.16	54.67	93.21	117.97	145.04
9	-090	2.64	2.82	3.19	2.22	2.60	3.95	4.82	5.86	7.51	23.41	29.55	35.73	60.98	99.27	126.98	158.11
10	-100	3.04	2.89	3.30	2.36	2.89	4.11	5.18	6.21	8.11	24.66	29.55	38.20	67.70	105.35	136.34	170.71
11	-110	3.30	3.10	3.49	2.52	3.10	4.44	5.54	6.55	8.79	28.32	34.45	43.11	74.03	111.45	145.51	183.34
12	-120	3.30	3.27	3.70	2.60	3.27	4.76	5.86	7.04	9.20	28.53	35.04	46.77	80.35	117.52	154.69	195.94
13	-130	4.26	4.96	5.32	2.97	3.53	5.48	6.79	7.90	10.29	30.78	36.32	51.64	86.66	123.59	163.85	208.56
14	-140	4.65	5.00	5.51	2.97	3.53	5.48	7.04	8.11	10.49	32.03	36.88	52.91	92.98	129.67	173.04	221.18
15	-150	4.85	5.30	5.78	3.27	3.70	5.86	7.43	8.79	11.35	34.45	39.40	55.35	99.29	135.77	182.21	233.81
16	-160	4.96	5.33	5.91	3.30	4.11	5.90	7.74	9.17	11.82	36.88	41.83	57.85	105.62	141.83	191.38	246.41
17	-170	5.31	5.41	6.14	3.65	4.22	6.67	8.48	9.89	12.93	37.56	44.27	59.03	111.93	147.89	200.56	259.02
18	-180	5.57	5.65	6.36	3.65	4.31	6.67	8.48	10.11	13.22	38.20	45.53	61.53	118.23	153.96	209.74	271.63
19	-190	5.82	5.69	6.49	3.95	4.82	7.17	10.29	11.95	15.88	44.88	47.95	70.09	125.39	159.76	218.90	284.24
20	-200	6.04	5.76	6.67	4.22	5.12	7.47	10.33	12.09	16.02	45.53	55.35	73.79	130.87	166.14	228.09	296.85
22	-220	6.64	6.18	7.09	4.22	5.31	7.66	10.61	12.33	16.27	47.01	58.41	75.04	144.12	178.29	247.20	322.10
24	-240	6.64	6.52	7.39	4.44	5.54	7.90	10.86	12.83	16.51	47.95	59.71	77.48	156.73	190.46	264.80	347.33
30	-300	9.71	8.67	9.97	5.68	7.65	11.05	14.17	17.51	21.32	58.41	73.21	98.41	194.65	226.90	319.85	423.01
36	-360	11.16	9.95	12.78	8.79	10.61	14.70	15.49	18.37	28.32	71.38	86.68	116.89	233.51	263.39	374.90	498.71
42	-420	12.67	11.90	14.37	11.72	12.33	17.88	19.67	24.66	34.45	82.46	101.48	142.69	271.39	299.83	429.96	599.61
48	-480	13.31	13.00	16.27	12.33	14.01	18.74	20.47	26.07	36.45	89.18	113.18	152.52	309.46	336.33	485.03	650.06

1/8" thru 2" diameter PVC Schedule 80 Nipples, up to 12" long, are packaged 25 per carton.

TBE: Use Part Number shown. • TOE: Add a "1" in front of Part Number, e.g., 1883-060 • PLAIN: Add a "P" at the end of Part Number, e.g. 883-060P

Nipples PVC, CPVC & PE Nipples



CPVC Schedule 80 Nipple

Diameter ⇨		1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"	12"
Diameter Code ⇨		880	881	882	883	884	885	886	887	888	889	890	892	893	894	895
Length ⇩	Length Code ⇩	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121	Disc Code 121
CL	-005C	2.41	2.76	2.60	3.19	3.87	4.88	5.41	8.37	15.19	19.67	30.33	71.78	105.26	146.90	206.19
1-1/2	-015C	2.60	2.89	2.81	3.43	---	---	---	---	---	---	---	---	---	---	---
2	-020C	2.81	3.27	3.10	3.70	4.22	5.41	6.04	---	---	---	---	---	---	---	---
2-1/2	-025C	3.27	3.49	3.30	4.22	5.24	6.81	7.51	9.97	---	---	---	---	---	---	---
3	-030C	3.27	3.87	3.53	4.22	5.24	6.81	7.51	9.97	16.67	19.67	---	---	---	---	---
3-1/2	-035C	3.70	4.31	4.14	4.88	6.04	8.48	9.09	11.82	20.33	25.73	34.65	---	---	---	---
4	-040C	3.70	4.31	4.14	4.88	6.04	8.48	9.09	11.82	20.33	25.73	36.41	---	---	---	---
4-1/2	-045C	4.14	4.96	4.65	5.41	6.81	9.97	10.61	13.66	24.29	29.95	42.41	116.60	135.59	198.05	---
5	-050C	4.14	4.96	4.65	5.41	6.81	9.97	10.61	13.66	24.29	29.95	42.41	124.99	145.69	215.07	275.73
5-1/2	-055C	4.50	5.18	5.24	6.04	7.90	11.46	12.09	15.49	28.50	34.21	48.46	132.39	155.81	232.14	298.82
6	-060C	4.50	5.18	5.24	6.04	7.90	11.46	12.09	15.49	28.50	34.21	48.46	145.87	165.91	249.19	320.89
7	-070C	6.81	8.04	7.66	9.09	11.05	15.38	16.61	21.78	36.45	43.11	57.57	154.68	186.14	283.30	368.19
8	-080C	7.32	8.41	8.17	9.59	12.09	16.82	18.14	23.63	40.62	49.68	72.77	171.52	206.36	317.40	414.43
9	-090C	7.78	9.02	8.82	10.29	13.13	18.29	19.65	25.46	44.57	55.54	78.80	186.29	226.59	351.50	411.64
10	-100C	8.18	9.54	9.28	10.79	13.70	19.90	21.16	27.32	48.55	59.97	84.89	201.02	246.81	385.61	506.88
11	-110C	8.67	10.14	9.89	11.46	14.74	21.41	22.73	29.15	52.76	64.21	90.89	215.78	267.02	419.72	553.12
12	-120C	9.05	10.33	10.49	12.14	15.85	22.88	24.24	31.01	56.97	68.48	96.96	230.52	287.24	453.83	599.34
13	-130C	11.36	13.24	12.93	15.17	18.95	26.81	28.71	37.24	64.93	77.33	105.27	245.28	307.47	487.93	645.56
14	-140C	13.70	16.12	15.36	18.19	22.10	30.73	33.16	43.59	72.88	86.17	115.17	260.05	327.70	522.02	691.82
15	-150C	14.17	16.48	15.84	18.69	23.16	32.19	34.73	45.38	77.03	92.76	130.34	274.78	347.91	556.14	738.02
16	-160C	14.65	16.87	16.36	19.24	24.24	33.65	36.27	47.22	81.21	99.36	145.52	289.54	368.14	624.18	784.26
17	-170C	14.94	17.46	17.06	19.87	25.26	35.15	37.79	49.07	85.18	105.21	151.57	304.30	388.36	630.62	830.49
18	-180C	15.49	18.04	17.35	20.52	26.29	36.64	39.27	50.90	89.16	111.12	157.62	314.19	408.57	658.44	876.72
19	-190C	16.02	18.49	17.98	21.06	26.85	38.24	40.83	52.79	93.13	116.86	163.67	333.84	428.82	692.54	922.94
20	-200C	16.45	19.11	18.59	21.61	27.49	39.83	42.36	54.60	97.11	119.88	169.73	348.55	449.04	726.65	969.19
22	-220C	16.88	19.83	20.02	22.93	29.84	42.79	45.40	58.31	105.51	128.43	180.20	378.06	469.26	783.36	1015.41
24	-240C	18.04	20.73	21.02	24.27	31.60	45.74	48.45	62.01	113.94	136.98	190.73	407.57	489.48	941.97	1061.65



Nipples PVC, CPVC & PE Nipples

PVC Reducing Nipples

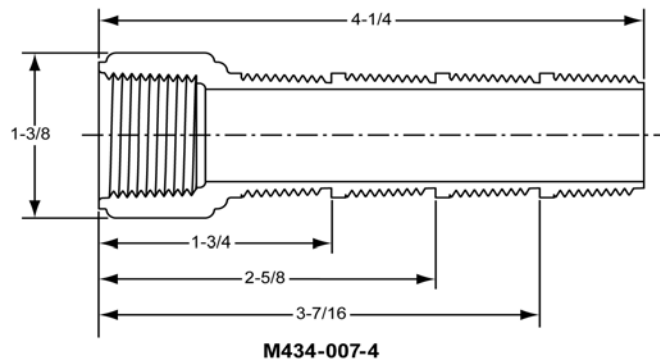
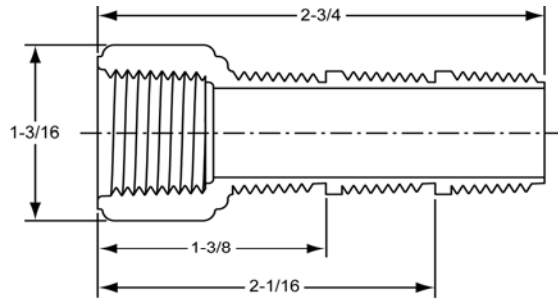
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
882-101	3/4X1/2	50	300	120	1.47
884-130R	1X1/2	25	300	120	1.99
884-131	1X3/4	50	200	120	2.06

Polyethylene Schedule 40 Nipple

Size	1/2"	3/4"	Std Pk	Mstr Pk	Disc Code
CL -005	P42-005 .89	P43-005 1.05	25	450	120
1-1/2-015	P42-015 .89	---	25	300	120
2 -020	P42-020 .89	P43-020 1.05	25	300	120
2-1/2-025	P42-025 1.05	P43-025 1.48	25	300	120
3 -030	P42-030 1.05	P43-030 1.48	25	300	120
3-1/2-035	P42-035 1.12	P43-035 1.65	25	300	120
4 -040	P42-040 1.12	P43-040 1.65	25	300	120
4-1/2-045	P42-045 1.27	P43-045 1.73	25	300	120
5 -050	P42-050 1.27	P43-050 1.73	25	300	120
5-1/2-055	P42-055 1.48	P43-055 1.88	25	300	120
6 -060	P42-060 1.48	P43-060 1.88	25	300	120
7 -070	P42-070 2.22	P43-070 4.22	25	200	120
8 -080	P42-080 2.26	P43-080 4.31	25	0	120
9 -090	P42-090 2.36	P43-090 4.44	25	0	120
10 -100	P42-100 2.40	P43-100 4.57	25	0	120
11 -110	P42-110 2.52	P43-110 4.82	25	0	120
12 -120	P42-120 2.53	P43-120 4.96	25	0	120
14 -140	P42-140 3.49	---	100	0	120
15 -150	P42-150 3.87	---	100	0	120
16 -160	P42-160 4.22	---	100	0	120
18 -180	P42-180 4.57	---	100	0	120
24 -240	P42-240 6.67	---	100	0	120

Polyethylene Cut-Off Nipples

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
491-060	1/2" MPTx6" Cut-Off	50	400	120	.89
492-060	1/2"x3/4" MPTx6" Cut-Off	50	350	120	1.34
493-060	3/4" MPTx6" Cut-Off	50	300	120	1.34



Polyethylene Cut-Off Riser Extension

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FIPT x MIPT Cut-Off (1/2" = 3 - Section Cut-Off; 3/4" = 4 - Section Cut-Off)					
M434-005-3	1/2X3	50	600	120	1.35
M434-007-4	3/4X4	50	0	120	1.79

Nipples PVC, CPVC & PE Nipples



PVC Schedule 80 Grooved Nipple

Diameter ⇨		1-1/2"	2"	3"	4"	6"
Diameter Code ⇨		886	887	889	890	892
Length ↓	Length Code ↓	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120	Disc Code 120
3	-030TG	886-030TG 4.11	887-030TG 6.49	889-030TG 13.06	890-030TG 16.88	---
3	-030GG	886-030GG 4.11	887-030GG 6.49	889-030GG 13.06	890-030GG 16.88	---
3	-030PG	886-030PG 3.53	887-030PG 5.76	889-030PG 11.65	890-030PG 15.06	892-030PG 41.33
4	-040TG	886-040TG 5.12	887-040TG 7.51	889-040TG 15.39	890-040TG 19.59	---
4	-040GG	886-040GG 5.12	887-040GG 7.51	889-040GG 15.39	890-040GG 28.74	---
4	-040PG	886-040PG 4.65	887-040PG 6.55	889-040PG 13.36	890-040PG 17.14	892-040PG 53.34
6	-060TG	886-060TG 5.12	887-060TG 10.24	889-060TG 19.82	890-060TG 27.07	---
6	-060GG	886-060GG 7.20	887-060GG 9.97	889-060GG 19.82	890-060GG 27.07	---
6	-060PG	886-060PG 6.81	887-060PG 10.24	889-060PG 17.23	890-060PG 27.07	892-060PG 83.21

TG = Thread x Groove
GG = Groove x Groove
PG = Plain x Groove

1/2" thru 3/4" diameter Polyethylene Schedule 40 Nipples, up to 12" long,
are packaged 25 per carton.

Length of Close & Short Nipples

Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"	12"
Close	3/4	7/8	1	1-1/8	1-3/8	1-1/2	1-5/8	1-3/4	2	2-1/2	2-5/8	2-7/8	3-3/4	3-5/8	4	4-3/8
Short	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	2	2	2	2-1/2	3	3	3-1/2	4-1/2	4-1/2	4-1/2	5

THIS PRODUCT IS ONLY TO BE USED FOR ITS INTENDED PURPOSE.

- PVC/CPVC Nipples furnished may be produced from extruded stock, or from molding grade PVC/CPVC compounds. Both processes provide quality products meeting ASTM requirements.
- Half Size Nipples not shown are priced the same as the next full size.
For example: 7-1/2" is priced the same as 8".
- CONTACT YOUR LOCAL SPEARS® REPRESENTATIVE FOR PRICE AND AVAILABILITY OF SIZES, LENGTHS, AND/OR CONFIGURATIONS NOT SHOWN.

THREADED CONNECTIONS — Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR PTFE PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC.** Spears® Manufacturing Company recommends the use of **Spears® BLUE 75™ Thread Sealant** which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application / installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond **FINGER TIGHT** is generally all that is required to make a sound plastic threaded connection. Unnecessary **OVERTIGHTENING** will cause **DAMAGE TO BOTH PIPE AND FITTING**.

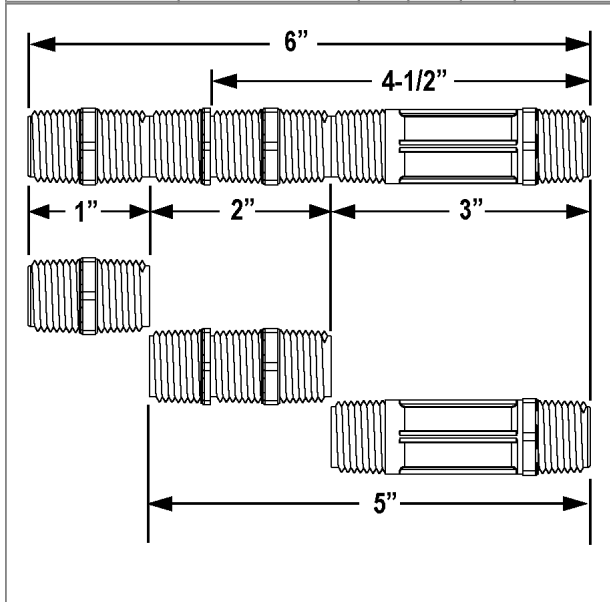


Nipples Four-In-One • Cut-Off Nipples

- High quality polyethylene construction
- Choice of sizes from just one nipple
- Reduces inventory
- Eliminates waste
- Reduces contractor down time

Four-In-One Cut-Off Nipple

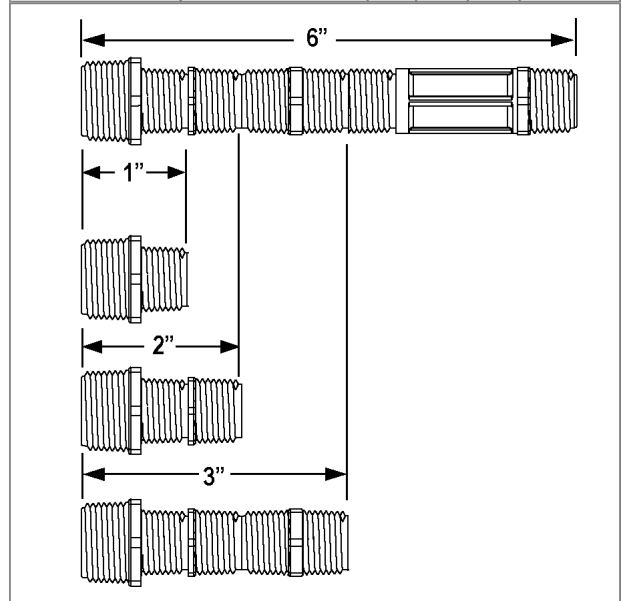
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
M481-005	1/2X6	50	350	123	1.03
M481-007	3/4X6	25	200	123	1.47



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Four-In-One Cut-Off Nipple - Reducing

M481-101	3/4X1/2X6	50	300	123	1.12
----------	-----------	----	-----	-----	------



Schedule 80 PVC Industrial Products & Accessories
Schedule 80 PVC Industrial Pipe



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Schedule 80 Plain End
10' Lengths, Price Per Foot

List Price Per Foot

PD-800-001-10	1/8	10	0	744	1.87
PD-800-002-10	1/4	10	0	744	2.79
PD-800-003-10	3/8	10	0	744	3.88
PD-800-005-10	1/2	10	0	744	1.17
PD-800-007-10	3/4	10	0	744	1.58
PD-800-010-10	1	10	0	744	2.32
PD-800-012-10	1-1/4	10	0	744	3.20
PD-800-015-10	1-1/2	10	0	744	3.63
PD-800-020-10	2	10	0	744	5.03
PD-800-025-10	2-1/2	10	0	744	8.47
PD-800-030-10	3	10	0	744	10.28
PD-800-040-10	4	10	0	744	15.04
PD-800-060-10	6	10	0	744	28.72
PD-800-080-10	8	10	0	744	43.56
PD-800-100-10	10	10	0	744	64.63
PD-800-120-10	12	10	0	744	88.85

20' Lengths, Price Per Foot

List Price Per Foot

PD-800-001	1/8	20	0	744	1.87
PD-800-002	1/4	20	0	744	2.79
PD-800-003	3/8	20	0	744	3.88
PD-800-005	1/2	20	0	744	1.17
PD-800-007	3/4	20	0	744	1.58
PD-800-010	1	20	0	744	2.32
PD-800-012	1-1/4	20	0	744	3.20
PD-800-015	1-1/2	20	0	744	3.63
PD-800-020	2	20	0	744	5.03
PD-800-025	2-1/2	20	0	744	8.47
PD-800-030	3	20	0	744	10.28
PD-800-040	4	20	0	744	15.04
PD-800-060	6	20	0	744	28.72
PD-800-080	8	20	0	744	43.56
PD-800-100	10	20	0	744	64.63
PD-800-120	12	20	0	744	88.85

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

ASTM D-1784 ASTM D-1785		Schedule 80 PVC Plain End Pipe				
Size	Max Work Pressure	Avg OD	Min Wall	10' Length Skid Quantity FT/Pieces	20' Length Skid Quantity FT/Pieces	Weight Per FT
1/8"	1230	0.405	0.095	2850/285	5700/285	0.063
1/4"	1130	0.540	0.119	2850/285	5700/285	0.105
3/8"	920	0.675	0.126	2850/285	5700/285	0.146
1/2"	850	0.840	0.147	2430/243	4860/243	0.213
3/4"	690	1.050	0.154	1540/154	5260/263	0.289
1"	630	1.315	0.179	2520/252	4280/214	0.124
1-1/4"	520	1.660	0.191	1230/123	2360/118	0.586
1-1/2"	470	1.900	0.200	1720/172	2060/103	0.717
2"	400	2.375	0.218	1230/123	1660/83	0.984
2-1/2"	420	2.875	0.276	540/54	1080/54	1.500
3"	370	3.500	0.300	460/46	840/42	2.010
4"	320	4.500	0.337	340/34	520/26	2.938
6"	280	6.625	0.432	170/17	340/17	5.610
8"	250	8.625	0.500	90/9	220/11	8.522
10"	230	10.750	0.593	110/11	140/7	12.635
12"	230	12.750	0.687	80/8	100/5	17.384



Schedule 80 PVC Industrial Products & Accessories Spears® Low VOC Solvent Cements & Primers

Essential solvent cements developed for contractors' essential needs in joining PVC, CPVC and ABS pipe and fittings.

- User Friendly with reduced fumes and odor for well-being of pipe installers.
- NSF® Certified & Listed for use in piping applications such as potable water, turf, irrigation, pool & spa, industrial, plumbing, DWV, and/or sewer, plus special applications including fire protection, chemical waste, and ultra-pure water.
- Meets ASTM Standards for solvent cements and primers used for plastic pipe installation.
- Environmentally friendly. LEED® Compliant (Leadership in Energy and Environmental Design). Credit can be gained through the use of Spears® Low VOC products. This program, developed by the US Green Building Council, uses SCAQMD Rule 1168 as a benchmark to qualify one credit toward LEED® certification for green building.

Low VOC PVC Cements

Regular, Medium, heavy and extra heavy bodied cements are specifically formulated for PVC pipe in virtually every schedule and in sizes with interference fit to 30" diameter.

- Low VOC emissions comply with SCAQMD Rule 1168/316A
- 3-Year Shelf Life

PVC-00 CLEAR: Regular bodied, fast setting PVC cement for all classes and schedules (except Schedule 80) with interference fit through 4". Excellent for plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-05 CLEAR: Medium bodied, fast setting, PVC cement for all classes and schedules with interference fit through 6" diameter and Schedule 80 through 4" diameter in industrial, plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-00 Clear Regular Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC00C-005	1/4 Pint	24	0	705	5.85
PVC00C-010	1/2 Pint	24	0	705	8.50
PVC00C-020	Pint	12	0	705	13.10
PVC00C-030	Quart	12	0	705	22.10
PVC00C-040	Gallon	6	0	705	71.75

PVC-05 Clear Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC05C-005	1/4 Pint	24	0	705	6.60
PVC05C-010	1/2 Pint	24	0	705	9.55
PVC05C-020	Pint	12	0	705	16.75
PVC05C-030	Quart	12	0	705	26.65
PVC05C-040	Gallon	6	0	705	90.80

PVC-02 CLEAR: Regular bodied, fast setting PVC cement for all classes and schedules (except Schedule 80) with interference fit through 4" diameter. Goes on clear, dries clearest and is slightly thicker than PVC-00. Excellent for plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-21 BLUE: Medium bodied, fast setting, high strength PVC cement. It is suitable for use on rigid PVC with interference fit Schedule 40 thru 6" and Schedule 80 thru 4". Can be used without primer on PVC Schedule 40 and SDR pressure water piping systems through 4" if local code permits. Do not use PVC-21 without primer in any other application, schedule, or size such as Schedule 80 industrial applications. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-02 Clear Regular Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC02C-005	1/4 Pint	24	0	705	6.50
PVC02C-010	1/2 Pint	24	0	705	9.45
PVC02C-020	Pint	12	0	705	14.55
PVC02C-030	Quart	12	0	705	24.55
PVC02C-040	Gallon	6	0	705	79.65

PVC-21 Blue Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC21B-005	1/4 Pint	24	0	705	7.05
PVC21B-010	1/2 Pint	24	0	705	11.60
PVC21B-020	Pint	12	0	705	19.85
PVC21B-030	Quart	12	0	705	33.35
PVC21B-040	Gallon	6	0	705	114.65

Schedule 80 PVC Industrial Products & Accessories
PVC Low VOC Cements



PVC-25 AQUA BLUE WET-N-DRY: Medium bodied, very fast setting PVC cement for all classes and schedules with interference fit through 6" diameter and Schedule 80 through 4" diameter. Formulated for wet conditions and quick pressurization. Designed for irrigation, plumbing, and pool & spa applications. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-25 Aqua Blue Wet-N-Dry Medium body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC25B-005	1/4 Pint	24	0	705	7.05
PVC25B-010	1/2 Pint	24	0	705	11.45
PVC25B-020	Pint	12	0	705	19.50
PVC25B-030	Quart	12	0	705	32.65
PVC25B-040	Gallon	6	0	705	112.60

PVC-27 CLEAR COLD-N-HOT: Medium bodied, very fast setting, PVC cement for all classes and schedules with interference fit through 6" diameter, Schedule 80 through 4" diameter. Formulated for -15°F to 110°F (-26°C to 43°C) weather conditions. Designed for industrial, plumbing, irrigation, pool & spa, electrical conduit and PVC foam core pipe. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-27 Clear Cold-N-Hot Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC27C-040	Gallon	6	0	705	118.85
PVC27C-020	Pint	12	0	705	20.35
PVC27C-030	Quart	12	0	705	34.25

PVC-50 HOT BLUE: Medium bodied, very fast setting, high strength PVC cement. Can be used on PVC with interference fit for Schedule 40 thru 6" and Schedule 80 thru 4". Hot Blue premium all-weather formulation is excellent for use in challenging conditions including wet, damp or cold temperatures in irrigation, plumbing DWV, pool & spa, and non-pressure applications. PVC-50 may be used without primer on Schedule 40 pipe and fittings if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-50 HOT BLUE Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC50B-005	1/4 Pint	24	0	705	6.35
PVC50B-010	1/2 Pint	24	0	705	10.45
PVC50B-020	Pint	12	0	705	17.90
PVC50B-030	Quart	12	0	705	30.05
PVC50B-040	Gallon	6	0	705	103.30

PVC-11 GRAY: Heavy bodied, medium setting PVC cement for all classes and schedules with interference fit through 12" diameter. Medium set allows more working time in warm weather and has good gap filling properties. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code, CSA B137.3, B181.2.



PVC-11 Gray Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC11G-010	1/2 Pint	24	0	706	15.60
PVC11G-020	Pint	12	0	706	20.80
PVC11G-030	Quart	12	0	706	35.00
PVC11G-040	Gallon	6	0	706	118.35

PVC-17 CLEAR/GRAY: Heavy bodied, medium setting PVC cement for all classes and schedules with interference fit through 12" diameter (non-pressure applications only up to 18"). Medium set allows more working time in warm weather and has good gap filling properties. Designed for plumbing, industrial, pool, irrigation and electrical piping systems. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code (Clear/Gray); CSA B137.3, B181.2 (Gray only).



PVC-17 Gray Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC17G-010	1/2 Pint	24	0	706	11.70
PVC17G-020	Pint	12	0	706	20.55
PVC17G-030	Quart	12	0	706	34.70
PVC17G-040	Gallon	6	0	706	116.90

PVC-17 Clear Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC17C-010	1/2 Pint	24	0	706	11.70
PVC17C-020	Pint	12	0	706	20.55
PVC17C-030	Quart	12	0	706	34.70
PVC17C-040	Gallon	6	0	706	116.90



PVC-19 Gray Extra-Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC19G-020	Pint	12	0	706	31.43
PVC19G-030	Quart	12	0	706	41.90
PVC19G-040	Gallon	4	0	706	138.15
PVC19G-050	5 Gallon	1	0	706	597.25



Schedule 80 PVC Industrial Products & Accessories CPVC Low VOC Cements

Heavy bodied cements are specifically formulated for CPVC plastic pipe and fittings including a variety of One-Step (no primer required) CPVC specialty cements. These products are ideal for use in hot/cold water plumbing systems, water treatment and chemical plants, as well as industrial piping systems.

- Low VOC emissions comply with SCAQMD Rule 1168/316A
- 2-Year Shelf Life

CPVC-24 GRAY/ORANGE: Heavy bodied, medium setting CPVC cement for all classes and schedules with interference fit through 24" diameter. High-strength, chemical-resistant solvent cement for use with CPVC piping systems carrying acids, bases, salts, and sodium hypochlorite. Ideal for use in waste water plants. Recommended for use on PVC industrial piping systems for chemical applications; best choice for both PVC and CPVC fume & air duct systems. Listings: ASTM F493, NSF®-PW, DWV, SW, U.P. Code.



The Most Chemically Resistant Cement Available for Both PVC & CPVC Applications

CPVC-24 Gray Heavy Body CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CPVC24G-020	Pint	12	0	707	23.30
CPVC24G-030	Quart	12	0	707	41.15
CPVC24G-040	Gallon	6	0	707	142.10

CPVC-24 Orange Heavy Body CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CPVC24O-020	Pint	12	0	707	23.30
CPVC24O-030	Quart	12	0	707	41.15
CPVC24O-040	Gallon	6	0	707	142.10

Schedule 80 PVC Industrial Products & Accessories Low VOC Solvent Primers & Cleaners



Primers are used for the surface preparation of plastic pipe and fittings, which is necessary for the proper solvent welding of these materials. Cleaner aids in pre-cleaning to remove oil and grease.

- All Spears® Primers and Cleaners are low VOC products, which are environmentally friendly with lower emissions and reduced odor, surpassing the most stringent regulations and comply with SCAQMD Rule 1168/316A.
- Spears® Primers are certified for use with potable water by NSF® International.
- 3-Year Shelf Life

PRIMER-70 INDUSTRIAL GRADE PURPLE/CLEAR:

Premium, industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces. Specially recommended for use on Schedule 80 (150 psi and higher) and large size pipe. Excellent for cold weather applications. Listings: ASTM F656, NSF®-PW, DWV, SW, U.P. Code (Purple Only).



PRIMER-70 Clear Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70C-005	1/4 Pint	24	0	709	7.05
PRIM70C-010	1/2 Pint	24	0	709	9.60
PRIM70C-020	Pint	12	0	709	19.20
PRIM70C-030	Quart	12	0	709	31.10
PRIM70C-040	Gallon	6	0	709	102.20



PRIMER-70 Purple Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70P-005	1/4 Pint	24	0	709	7.05
PRIM70P-010	1/2 Pint	24	0	709	9.60
PRIM70P-020	Pint	12	0	709	19.20
PRIM70P-030	Quart	12	0	709	31.10
PRIM70P-040	Gallon	6	0	709	102.20

CLEANER-65 CLEAR CLEANER: Water-thin cleaner recommended for use before priming of pipe and fittings to remove dirt, oil and grease from the bonding surfaces of PVC, CPVC, ABS and Styrene.



CLEANER-65 Clear Cleaner

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CLEAN65-005	1/4 Pint	24	0	709	5.20
CLEAN65-010	1/2 Pint	24	0	709	7.75
CLEAN65-020	Pint	12	0	709	13.45
CLEAN65-030	Quart	12	0	709	19.75
CLEAN65-040	Gallon	6	0	709	63.25



Schedule 80 PVC Industrial Products & Accessories

PVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee Soc



801-002	1/4	50	300	080	8.85
801-003	3/8	25	150	080	8.85
801-005	1/2	25	200	080	8.85
801-007	3/4	15	120	080	9.28
801-010	1	15	0	080	11.61
801-012	1-1/4	10	0	080	31.89
801-015	1-1/2	10	0	080	31.89
801-020	2	10	0	080	39.87
801-025	2-1/2	10	0	080	43.36
801-030	3	5	0	080	54.19
801-040	4	5	0	080	62.79
801-050	5	5	0	080	153.15
801-050F	5	1	4	083	357.97
801-060	6	2	0	080	214.38
801-080	8	2	0	080	497.20
801-080F	8	1	0	083	468.99
801-100	10	1	0	081	1642.65
801-100F	10	1	0	083	833.45
801-120	12	1	0	081	2319.89
801-120F	12	1	0	083	1174.37
801-140F	14	1	0	083	2463.78
801-160F	16	1	0	083	3203.65
801-180F	18	1	0	083	3816.26
801-200F	20	1	0	083	4920.10
801-240F	24	1	0	083	6538.96

Tee Soc x Fipt



802-002	1/4	25	150	080	20.47
802-005	1/2	20	160	080	14.00
802-007	3/4	20	160	080	18.12
802-010	1	15	0	080	21.20
802-012	1-1/4	15	0	080	22.66
802-015	1-1/2	10	0	080	26.63
802-020	2	10	0	080	32.84
802-030	3	5	0	080	70.09
802-040	4	5	0	080	131.69

Special Reinforced Tee Soc x SR Fipt - Stainless Steel Collar



802-005SR	1/2	25	200	086	7.66
802-007SR	3/4	15	120	086	10.83
802-010SR	1	15	0	086	12.72
802-012SR	1-1/4	25	0	086	15.13
802-020SR	2	10	0	086	31.28
802-030SR	3	5	0	086	67.60
802-040SR	4	5	0	086	126.78

Transition Tee Soc x Fipt With Brass Thread Insert



802-005BR	1/2	20	160	086	31.27
802-007BR	3/4	20	80	086	62.67

Not intended to convey or dispense water for human consumption through drinking or cooking

Tee Fipt

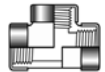


805-002	1/4	25	150	080	10.23
805-003	3/8	25	150	080	10.23

Tee (continued) Fipt

805-005	1/2	20	240	080	10.23
805-007	3/4	15	120	080	11.39
805-010	1	15	0	080	25.15
805-012	1-1/4	10	0	080	26.66
805-015	1-1/2	10	0	080	32.32
805-020	2	10	0	080	34.74
805-025	2-1/2	5	0	080	126.49
805-030	3	5	0	080	132.11
805-040	4	5	0	080	214.70
805-060F	6	1	2	083	337.37
805-080F	8	1	0	083	622.56

Special Reinforced Tee SR Fipt - Stainless Steel Collar



805-002SR	1/4	25	150	086	8.91
805-003SR	3/8	25	150	086	8.91
805-005SR	1/2	25	150	086	9.20
805-007SR	3/4	25	100	086	10.11
805-010SR	1	15	0	086	24.03
805-015SR	1-1/2	10	0	086	28.12
805-020SR	2	10	0	086	29.56

Street Tee Spig x Soc x Soc



844-005	1/2	25	200	080	11.07
844-007	3/4	15	120	080	11.61
844-010	1	15	0	080	14.51
844-012	1-1/4	10	0	080	39.87
844-015	1-1/2	10	0	080	39.87
844-020	2	10	0	080	49.83

Reducing Tee Soc



801-101	3/4X1/2	15	120	080	6.78
801-130	1X1/2	15	0	080	9.81
801-131	1X3/4	15	0	080	9.81
801-157	1-1/4X1X3/4	15	0	080	16.19
801-158	1-1/4X1X1	15	0	080	16.19
801-159	1-1/4X1X1-1/4	15	0	080	16.19
801-166 ¹	1-1/4X1/2	10	0	080	27.06
801-167	1-1/4X3/4	10	0	080	21.29
801-168	1-1/4X1	15	0	080	21.29
801-202	1-1/2X1-1/4X1	10	0	080	21.29
801-209	1-1/2X1/2	10	0	080	21.29
801-210	1-1/2X3/4	15	0	080	21.29
801-211	1-1/2X1	10	0	080	21.29
801-212	1-1/2X1-1/4	10	0	080	21.29
801-247	2X1/2	10	0	080	26.98
801-248	2X3/4	10	0	080	26.98
801-249	2X1	10	0	080	26.98
801-250 ¹	2X1-1/4	10	0	080	41.13
801-251	2X1-1/2	10	0	080	26.98
801-287	2-1/2X1/2	10	0	080	41.24
801-288	2-1/2X3/4	10	0	080	41.24
801-289	2-1/2X1	10	0	080	35.20
801-290	2-1/2X1-1/4	10	0	080	35.20
801-291	2-1/2X1-1/2	10	0	080	35.20
801-292	2-1/2X2	10	0	080	35.20
801-333 ¹	3X1/2	5	0	080	49.45
801-334 ¹	3X3/4	5	0	080	55.80
801-335	3X1	5	0	080	49.45
801-336 ¹	3X1-1/4	5	0	080	49.45

Schedule 80 PVC Industrial Products & Accessories
PVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Soc

801-337	3X1-1/2	5	0	080	49.45
801-338	3X2	5	0	080	49.45
801-339	3X2-1/2	5	0	080	49.45
801-416 ¹	4X3/4	5	0	080	97.80
801-417 ¹	4X1	5	0	080	97.80
801-418 ¹	4X1-1/4	5	0	080	97.80
801-419	4X1-1/2	5	0	080	79.90
801-420	4X2	5	0	080	79.90
801-421 ¹	4X2-1/2	5	0	080	143.85
801-422	4X3	5	0	080	79.90
801-426 ¹	4X6	4	0	080	391.61
801-482F	5X1-1/4	1	5	083	211.84
801-484F	5X1-1/2	1	5	083	215.84
801-486F	5X2	1	5	083	215.84
801-487F	5X2-1/2	1	4	083	246.13
801-488F	5X3	1	3	083	254.18
801-490 ¹	5X4	4	0	080	238.39
801-490F	5X4	1	4	083	271.34
801-523 ¹	6X1/2	4	0	080	207.81
801-525	6X1	4	0	080	159.67
801-526 ¹	6X1-1/4	4	0	080	207.81
801-527 ¹	6X1-1/2	4	0	080	207.81
801-528	6X2	4	0	080	159.67
801-529 ¹	6X2-1/2	4	0	080	207.64
801-530	6X3	4	0	080	159.67
801-532	6X4	5	0	080	214.38
801-533F	6X5	1	3	083	451.26
801-537F	6X10	1	0	083	1756.45
801-539F	6X12	1	0	083	1950.24
801-573 ¹	8X1/2	1	0	080	610.09
801-575 ¹	8X1	2	0	080	610.46
801-578 ¹	8X2	2	0	080	580.47
801-578F	8X2	1	2	083	398.17
801-579 ¹	8X2-1/2	2	0	080	638.68
801-579F	8X2-1/2	1	2	083	401.87
801-580 ¹	8X3	2	0	080	580.47
801-580F	8X3	1	2	083	406.37
801-582 ¹	8X4	2	0	080	580.47
801-582F	8X4	1	2	083	427.31
801-583F	8X5	1	0	083	577.67
801-585	8X6	2	0	080	497.20
801-621F	10X2	1	2	083	598.12
801-622F	10X2-1/2	1	0	083	624.70
801-623 ¹	10X3	1	0	081	1530.48
801-623F	10X3	1	0	083	641.48
801-624 ¹	10X4	1	0	081	1530.48
801-624F	10X4	1	0	083	664.55
801-625F	10X5	1	0	083	714.66
801-626 ¹	10X6	1	0	081	1445.55
801-626F	10X6	1	0	083	751.57
801-628 ¹	10X8	1	0	081	1701.22
801-628F	10X8	1	0	083	843.15
801-632F	10X12	1	0	083	2076.93
801-661F	12X2	1	0	083	773.43
801-662F	12X2-1/2	1	0	083	806.82
801-663F	12X3	1	0	083	833.14
801-664 ¹	12X4	1	0	081	2774.80
801-664F	12X4	1	0	083	883.81
801-665F	12X5	1	0	083	926.17
801-666 ¹	12X6	1	0	081	2617.95
801-666F	12X6	1	0	083	975.90
801-668	12X8	1	0	081	2150.55
801-668F	12X8	1	0	083	1047.00
801-670 ¹	12X10	1	0	081	2879.88
801-670F	12X10	1	0	083	1163.45

Reducing Tee (continued)

Soc

801-678F	12X18	1	0	083	5186.02
801-691F	14X2	1	0	083	969.10
801-692F	14X2-1/2	1	0	083	1018.11
801-693F	14X3	1	0	083	1189.78
801-694F	14X4	1	0	083	1311.15
801-696F	14X6	1	0	083	1415.39
801-698F	14X8	1	0	083	1488.36
801-700F	14X10	1	0	083	1590.06
801-702F	14X12	1	0	083	1679.01
801-706F	14X16	1	0	083	5432.97
801-751F	16X2	1	0	083	1242.72
801-752F	16X2-1/2	1	0	083	1321.80
801-753F	16X3	1	0	083	1340.74
801-754F	16X4	1	0	083	1466.83
801-756F	16X6	1	0	083	1560.47
801-758F	16X8	1	0	083	1733.22
801-760F	16X10	1	0	083	1878.82
801-762F	16X12	1	0	083	2070.52
801-764F	16X14	1	0	083	2387.48
801-781F	18X2	1	0	083	1428.59
801-783F	18X3	1	0	083	1739.37
801-784F	18X4	1	0	083	2671.23
801-786F	18X6	1	0	083	2893.21
801-788F	18X8	1	0	083	3017.09
801-790F	18X10	1	0	083	3232.22
801-792F	18X12	1	0	083	3415.80
801-794F	18X14	1	0	083	3630.15
801-796F	18X16	1	0	083	3676.53
801-814F	20X4	1	0	083	3276.11
801-816F	20X6	1	0	083	3459.22
801-818F	20X8	1	0	083	3565.54
801-820F	20X10	1	0	083	3712.89
801-822F	20X12	1	0	083	3981.17
801-824F	20X14	1	0	083	4269.27
801-826F	20X16	1	0	083	4575.87
801-828F	20X18	1	0	083	4809.61
801-904F	24X4	1	0	083	4079.18
801-906F	24X6	1	0	083	4235.39
801-908F	24X8	1	0	083	4345.54
801-910F	24X10	1	0	083	4612.95
801-912F	24X12	1	0	083	4783.18
801-914F	24X14	1	0	083	4980.56
801-916F	24X16	1	0	083	5210.32
801-918F	24X18	1	0	083	6302.18
801-920F	24X20	1	0	083	6421.90

¹ Sized with Bushing

Reducing Tee
Soc x Fipt



802-101	3/4X1/2	15	120	080	12.86
802-130	1X1/2	50	0	080	13.37
802-131	1X3/4	15	0	080	17.18
802-166	1-1/4X1/2	25	0	080	21.86
802-167 ¹	1-1/4X3/4	15	0	080	21.86
802-168	1-1/4X1	10	0	080	43.39
802-209	1-1/2X1/2	25	0	080	27.06
802-210 ¹	1-1/2X3/4	20	0	080	27.06
802-211	1-1/2X1	10	0	080	27.06
802-212	1-1/2X1-1/4	10	0	080	27.06
802-247	2X1/2	10	0	080	30.91
802-248	2X3/4	10	0	080	30.91
802-249 ¹	2X1	10	0	080	41.13
802-250 ¹	2X1-1/4	10	0	080	41.13



Schedule 80 PVC Industrial Products & Accessories PVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Soc x Fipt

802-251 ¹	2X1-1/2	10	0	080	57.34
802-287	2-1/2X1/2	10	0	080	71.17
802-288 ¹	2-1/2X3/4	10	0	080	71.17
802-289 ¹	2-1/2X1	10	0	080	71.17
802-290 ¹	2-1/2X1-1/4	10	0	080	71.17
802-291 ¹	2-1/2X1-1/2	10	0	080	71.17
802-292 ¹	2-1/2X2	10	0	080	79.47
802-333 ¹	3X1/2	5	0	080	55.80
802-334 ¹	3X3/4	5	0	080	55.80
802-335 ¹	3X1	5	0	080	67.12
802-336 ¹	3X1-1/4	5	0	080	67.12
802-337 ¹	3X1-1/2	5	0	080	67.12
802-338 ¹	3X2	5	0	080	85.71
802-339 ¹	3X2-1/2	5	0	080	120.55
802-415 ¹	4X1/2	5	0	080	98.20
802-416 ¹	4X3/4	5	0	080	98.20
802-417 ¹	4X1	5	0	080	98.20
802-418 ¹	4X1-1/4	5	0	080	98.20
802-419 ¹	4X1-1/2	5	0	080	98.20
802-420 ¹	4X2	5	0	080	146.79
802-421 ¹	4X2-1/2	5	0	080	146.79
802-422 ¹	4X3	5	0	080	164.33
802-525 ¹	6X1	4	0	080	228.51
802-526 ¹	6X1-1/4	4	0	080	228.51
802-527 ¹	6X1-1/2	4	0	080	228.51
802-528 ¹	6X2	4	0	080	228.51
802-529 ¹	6X2-1/2	4	0	080	228.51
802-530 ¹	6X3	4	0	080	319.02
802-532 ¹	6X4	2	0	080	334.24
802-578 ¹	8X2	2	0	080	622.84
802-578F	8X2	1	2	083	557.34
802-580 ¹	8X3	2	0	080	622.84
802-580F	8X3	1	2	083	557.34
802-582 ¹	8X4	2	0	080	622.84
802-582F [*]	8X4	1	2	083	617.73
802-621 ¹	10X2	1	0	081	1590.55
802-621F	10X2	1	0	083	676.77
802-623 ¹	10X3	1	0	080	1590.55
802-623F	10X3	1	0	083	731.55
802-624 ¹	10X4	1	0	081	1590.55
802-624F [*]	10X4	1	0	083	812.72
802-661 ¹	12X2	1	0	080	2520.21
802-661F	12X2	1	0	083	859.64
802-663 ¹	12X3	1	0	081	2520.21
802-663F	12X3	1	0	083	932.79
802-664 ¹	12X4	1	0	081	2520.21
802-664F	12X4	1	0	083	1029.56

¹ Sized with Bushing

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

Reducing Tee

Soc x Fipt x Soc

803-095	3/4X1/2X3/4	50	0	080	12.06
---------	-------------	----	---	-----	-------

Special Reinforced Reducing Tee

Soc x SR Fipt - Stainless Steel Collar

802-072SR	1/2X1/4	25	150	086	7.66
802-098SR	3/4X1/4	25	100	086	9.95
802-101SR	3/4X1/2	50	0	086	9.95
802-128SR ¹	1X1/4	10	80	086	23.55
802-130SR	1X1/2	50	0	086	12.27

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Special Reinforced Reducing Tee (continued)

Soc x SR Fipt - Stainless Steel Collar

802-131SR	1X3/4	15	0	086	23.55
802-164SR ¹	1-1/4X1/4	5	0	086	25.11
802-166SR	1-1/4X1/2	25	0	086	16.64
802-168SR	1-1/4X1	10	0	086	16.98
802-207SR ¹	1-1/2X1/4	10	0	086	29.30
802-211SR	1-1/2X1	10	0	086	18.38
802-212SR	1-1/2X1-1/4	10	0	086	18.38
802-245SR ¹	2X1/4	10	0	086	33.84
802-247SR	2X1/2	10	0	086	33.84
802-248SR	2X3/4	10	0	086	33.84
802-287SR	2-1/2X1/2	10	0	086	24.94
802-331SR ¹	3X1/4	5	0	086	64.60
802-333SR ¹	3X1/2	5	0	086	66.47
802-413SR ¹	4X1/4	5	0	086	88.96
802-415SR ¹	4X1/2	5	0	086	96.68

¹ Sized with Bushing

Special Reinforced Reducing Tee

Soc x SR Fipt - Stainless Steel Collar x Soc

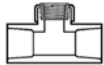


(See also Gauge & Instrument Fittings for additional configurations)

803-095SR	3/4X1/2X3/4	15	0	086	12.53
-----------	-------------	----	---	-----	-------

Transition Reducing Tee

Soc x Fipt With Brass Thread Insert



802-101BR	3/4X1/2	50	0	086	39.03
-----------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

90° Ell

Soc



806-002	1/4	25	150	080	3.14
806-003	3/8	20	120	080	3.14
806-005	1/2	20	240	080	3.14
806-007	3/4	20	160	080	4.01
806-010	1	25	0	080	6.46
806-012	1-1/4	10	0	080	8.65
806-015	1-1/2	10	0	080	9.27
806-020	2	25	0	080	11.20
806-025	2-1/2	5	0	080	26.21
806-030	3	5	0	080	29.46
806-040	4	5	0	080	44.80
806-045F	4-1/2	1	2	083	205.98
806-050	5	4	0	080	114.86
806-050F	5	1	4	083	229.98
806-060	6	4	0	080	127.48
806-080	8	2	0	080	351.37
806-100	10	1	0	081	1572.50
806-100F	10	1	0	083	627.56
806-120	12	1	0	081	2049.86
806-120F	12	1	0	083	1025.77
806-140F	14	1	0	083	1308.48
806-160F	16	1	0	083	1627.33
806-180F	18	1	0	083	2325.67
806-200F	20	1	0	083	2777.35
806-240F	24	1	0	083	4264.97
806-338 ¹	3X2	5	0	080	72.21
806-422 ¹	4X3	5	0	080	107.86

¹ Sized with Bushing

Schedule 80 PVC Industrial Products & Accessories
PVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° EII Sweep

Soc x Soc



806-005S	1/2	25	150	080	7.83
806-007S	3/4	25	100	080	10.14
806-010S	1	25	0	080	16.33
806-012S	1-1/4	25	0	080	21.59
806-015S	1-1/2	25	0	080	23.21
806-020S	2	25	0	080	28.12

Long Sweep 90° EII

Soc



806-005LSF	1/2	1	25	083	27.14
806-007LSF	3/4	1	25	083	30.46
806-010LSF	1	1	25	083	34.05
806-012LSF	1-1/4	1	25	083	57.59
806-015LSF	1-1/2	1	25	083	58.32
806-020LSF	2	1	10	083	63.05
806-025LSF	2-1/2	1	7	083	108.27
806-030LSF	3	1	5	083	118.12
806-040LSF	4	1	4	083	132.46
806-060LSF	6	1	2	083	202.87

Not Listed for Electrical Conduit Use

90° EII

Soc x Fipt



807-002	1/4	25	450	080	12.35
807-003	3/8	25	150	080	12.35
807-005	1/2	20	240	080	12.35
807-007	3/4	20	160	080	14.53
807-010	1	20	0	080	15.71
807-012	1-1/4	10	0	080	18.12
807-015	1-1/2	10	0	080	21.61
807-020	2	10	0	080	28.00
807-030 ¹	3	5	0	080	66.87
807-040	4	5	0	080	126.10
807-060 ¹	6	3	0	080	292.59

¹Thread outlet sized with Female Adapter

Special Reinforced 90° EII

Soc x SR Fipt - Stainless Steel Collar



807-005SR	1/2	20	240	086	7.33
807-007SR	3/4	75	0	086	8.72
807-010SR	1	50	0	086	8.82
807-012SR	1-1/4	25	0	086	11.85
807-015SR	1-1/2	10	0	086	14.64
807-020SR	2	10	0	086	16.80
807-030SR	3	5	0	086	42.65
807-040SR	4	5	0	086	75.35

Transition 90° EII

Soc x Fipt With Brass Thread Insert



807-005BR	1/2	20	240	086	27.47
807-007BR	3/4	20	160	086	48.63

Not intended to convey or dispense water for human consumption through drinking or cooking

90° EII

Fipt



808-002	1/4	25	450	080	7.79
808-003	3/8	25	150	080	7.79

Made in the U.S.A.

90° EII (continued)

Fipt

808-005	1/2	20	120	080	7.27
808-007	3/4	20	240	080	9.05
808-010	1	15	120	080	11.39
808-012	1-1/4	10	0	080	12.27
808-015	1-1/2	10	0	080	17.40
808-020	2	10	0	080	19.61
808-025	2-1/2	5	0	080	76.35
808-030	3	5	0	080	123.12
808-040	4	5	0	080	216.64

90° Street EII

Mipt x Fipt



812-002	1/4	50	300	080	9.44
---------	-----	----	-----	-----	------

Special Reinforced 90° EII

SR Fipt - Stainless Steel Collar



808-003SR	3/8	25	150	086	4.28
808-005SR	1/2	20	120	086	4.28
808-007SR	3/4	20	120	086	5.39
808-010SR	1	50	0	086	6.27
808-012SR	1-1/4	25	0	086	6.70
808-015SR	1-1/2	10	0	086	10.45
808-020SR	2	10	0	086	11.77

90° Street EII

Spig x Soc



809-005	1/2	50	200	080	3.93
809-007	3/4	50	0	080	5.02
809-010	1	50	0	080	8.09
809-012	1-1/4	25	0	080	10.83
809-015	1-1/2	10	0	080	11.61
809-020	2	25	0	080	14.01
809-030	3	5	0	080	39.31
809-040	4	4	0	080	59.73
809-060	6	1	0	080	169.98
809-080	8	2	0	080	468.50
809-100	10	1	0	081	2096.09
809-120	12	1	0	081	2732.31

Reducing 90° EII

Soc x Fipt



807-101	3/4X1/2	10	60	080	7.49
807-130 ¹	1X1/2	10	80	080	11.95
807-131 ¹	1X3/4	10	80	080	11.95

¹ Sized with Bushing

Special Reinforced Reducing 90° EII

Soc x SR Fipt - Stainless Steel Collar



807-101SR	3/4X1/2	50	0	086	8.70
807-130SR	1X1/2	50	0	086	9.77

Transition Reducing 90° EII

Soc x Fipt With Brass Thread Insert



807-101BR	3/4X1/2	20	120	086	34.29
-----------	---------	----	-----	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking



Schedule 80 PVC Industrial Products & Accessories

PVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

60° EII Soc



824-005F	1/2	1	7	083	70.51
824-007F	3/4	1	6	083	83.26
824-010F	1	1	25	083	90.59
824-012F	1-1/4	1	16	083	92.36
824-015F	1-1/2	1	16	083	98.66
824-020F	2	1	16	083	125.16
824-025F	2-1/2	1	10	083	147.35
824-030F	3	1	4	083	147.62
824-040F	4	1	4	083	189.69
824-060F	6	1	2	083	338.76
824-080F	8	1	2	083	410.59
824-100F	10	1	2	083	701.52
824-120F	12	1	0	083	916.28
824-140F	14	1	0	083	1140.97
824-160F	16	1	0	083	1289.19
824-180F	18	1	0	083	2283.03
824-200F	20	1	0	083	2518.81
824-240F	24	1	0	083	4200.23

45° EII Soc



817-002	1/4	25	450	080	11.28
817-003	3/8	25	150	080	11.28
817-005	1/2	20	240	080	5.91
817-007	3/4	20	240	080	9.03
817-010	1	15	120	080	13.54
817-012	1-1/4	10	80	080	17.24
817-015	1-1/2	10	0	080	20.39
817-020	2	10	0	080	26.44
817-025	2-1/2	5	0	080	55.50
817-030	3	5	0	080	67.55
817-040	4	5	0	080	121.65
817-045F	4-1/2	1	2	083	84.27
817-050	5	4	0	080	145.54
817-050F	5	1	4	083	115.00
817-060	6	4	0	080	153.20
817-080	8	2	0	080	332.15
817-100	10	1	0	081	1045.71
817-100F	10	1	2	083	441.31
817-120	12	1	0	081	1348.90
817-120F	12	1	0	083	620.88
817-140F	14	1	0	083	1012.01
817-160F	16	1	0	083	1238.94
817-180F	18	1	0	083	1508.00
817-200F	20	1	0	083	2071.32
817-240F	24	1	0	083	2565.65

45° EII Fipt



819-002	1/4	25	450	080	12.79
819-003	3/8	25	150	080	12.79
819-005	1/2	20	120	080	11.67
819-007	3/4	10	120	080	12.54
819-010	1	10	120	080	15.73
819-012	1-1/4	10	80	080	24.00
819-015	1-1/2	10	0	080	30.17
819-020	2	10	0	080	44.73
819-025	2-1/2	5	0	080	88.50
819-030	3	5	0	080	142.35
819-040	4	5	0	080	204.26

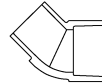
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced 45° EII SR Fipt - Stainless Steel Collar



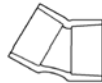
819-007SR	3/4	10	120	086	7.37
-----------	-----	----	-----	-----	------

45° Street EII Spig x Soc



827-005	1/2	50	400	080	5.91
827-007	3/4	50	0	080	9.03
827-010	1	50	0	080	13.54
827-012	1-1/4	25	0	080	17.24
827-015	1-1/2	25	0	080	20.39
827-020	2	10	0	080	26.44
827-025	2-1/2	12	0	080	34.86
827-030	3	10	0	080	67.55
827-040	4	5	0	080	121.65
827-050F	5	1	2	083	147.17
827-060	6	4	0	080	180.21
827-080	8	2	0	080	390.78
827-100	10	1	0	081	1230.28
827-120	12	1	0	081	1586.94
827-140F	14	1	0	083	934.06
827-160F	16	1	0	083	1498.35
827-180F	18	1	0	083	1675.01
827-200F	20	1	0	083	2203.59
827-240F	24	1	0	083	3503.89

30° EII Soc



815-005F	1/2	1	25	083	25.41
815-007F	3/4	1	25	083	25.59
815-010F	1	1	30	083	28.00
815-012F	1-1/4	1	15	083	30.32
815-015F	1-1/2	1	25	083	30.74
815-020F	2	1	25	083	33.52
815-025F	2-1/2	1	18	083	37.14
815-030F	3	1	20	083	40.52
815-040F	4	1	6	083	53.13
815-045F	4-1/2	1	18	083	80.93
815-050F	5	1	2	083	97.06
815-060	6	5	0	080	180.21
815-080F	8	1	3	083	162.59
815-100F	10	1	2	083	288.16
815-120F	12	1	2	083	421.16
815-140F	14	1	0	083	644.76
815-160F	16	1	0	083	861.86
815-180F	18	1	0	083	1323.99
815-200F	20	1	0	083	1919.49
815-240F	24	1	0	083	2290.13

22-1/2° EII Soc



816-005	1/2	20	240	080	6.97
816-007	3/4	20	240	080	10.64
816-010	1	20	160	080	15.94
816-012	1-1/4	20	0	080	20.29
816-015	1-1/2	20	0	080	23.99
816-020	2	20	0	080	31.07
816-025	2-1/2	5	0	080	63.84
816-030	3	5	0	080	79.65
816-040	4	4	0	080	143.13
816-045F	4-1/2	1	18	083	80.93
816-050F	5	1	8	083	97.06

Schedule 80 PVC Industrial Products & Accessories
PVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

22-1/2° EII (continued)

Soc

816-060	6	4	0	080	180.21
816-060F	6	1	8	083	99.33
816-080	8	4	0	080	390.78
816-080F	8	1	4	083	162.59
816-100F	10	1	2	083	288.16
816-120F	12	1	2	083	421.16
816-140F	14	1	0	083	644.76
816-160F	16	1	0	083	861.86
816-180F	18	1	0	083	1112.61
816-200F	20	1	0	083	1919.49
816-240F	24	1	0	083	2290.13

22-1/2° Street EII

Spig x Soc



842-005	1/2	50	400	080	7.24
842-007	3/4	50	0	080	11.12
842-010	1	50	0	080	17.48
842-012	1-1/4	20	0	080	21.76
842-015	1-1/2	25	0	080	24.67
842-020	2	20	0	080	31.07
842-025	2-1/2	5	0	080	81.11
842-030	3	5	0	080	89.04
842-040	4	4	0	080	156.60
842-040F	4	1	5	084	99.77
842-060	6	6	0	080	222.57
842-060F	6	1	6	083	125.16
842-080	8	1	2	080	481.21
842-080F	8	1	4	083	165.19
842-100F	10	1	0	083	337.59
842-120F	12	1	2	084	439.88

15° EII

Soc



818-005F	1/2	1	25	083	25.41
818-007F	3/4	1	23	083	25.59
818-010F	1	1	20	083	28.00
818-012F	1-1/4	15	0	083	30.32
818-015F	1-1/2	1	25	083	30.74
818-020F	2	1	25	083	33.52
818-025F	2-1/2	1	18	083	109.43
818-030F	3	1	35	083	40.52
818-040F	4	1	20	083	53.13
818-045F	4-1/2	1	18	083	80.93
818-050F	5	1	2	083	97.06
818-060F	6	1	8	083	99.33
818-080F	8	1	4	083	162.59
818-100F	10	1	2	083	288.16
818-120F	12	1	2	083	421.16
818-140F	14	1	0	083	644.76
818-160F	16	1	0	083	861.86
818-180F	18	1	0	083	1112.61
818-200F	20	1	0	083	1919.49
818-240F	24	1	0	083	2290.13

11-1/4° EII

Soc



811-005F	1/2	1	52	083	25.41
811-007F	3/4	1	52	083	25.59
811-010F	1	1	50	083	28.00
811-012F	1-1/4	1	26	083	30.32
811-015	1-1/2	25	0	080	25.35
811-020	2	10	0	080	31.07

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

11-1/4° EII (continued)

Soc

811-025F	2-1/2	1	25	083	37.14
811-030	3	10	0	080	79.65
811-040	4	4	0	080	143.13
811-045F	4-1/2	1	18	083	80.93
811-050F	5	1	4	083	97.06
811-060F	6	1	10	083	99.33
811-080F	8	1	4	083	162.59
811-100F	10	1	2	083	288.16
811-120F	12	1	2	083	421.16
811-140F	14	1	0	083	644.76
811-160F	16	1	0	083	861.86
811-180F	18	1	0	083	1112.61
811-200F	20	1	0	083	1919.49
811-240F	24	1	0	083	2290.13

Wye

Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 8" - Larger & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

875-005	1/2	25	100	080	13.00
875-007	3/4	25	0	080	13.66
875-010	1	20	0	080	21.86
875-012	1-1/4	20	0	080	33.52
875-015	1-1/2	20	0	080	33.52
875-020	2	10	0	080	96.16
875-025 ¹	2-1/2	4	0	080	438.14
875-030	3	5	0	080	309.11
875-040	4	4	0	080	383.01
875-050F [*]	5	1	2	083	599.17
875-060	6	2	0	080	523.13
875-080	8	1	0	080	1052.03
875-080F	8	1	0	083	810.63
875-100F [*]	10	1	0	083	1272.04
875-120F [*]	12	1	0	083	1616.81
875-140F [*]	14	1	0	083	2700.31
875-160F [*]	16	1	0	083	3547.19
875-180F [*]	18	1	0	083	3976.87
875-200F [*]	20	1	0	083	5312.34
875-240F [*]	24	1	0	083	7070.04

¹ Sized with Bushing

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

Reducing Wye

Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 3" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 8" - Larger & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

875-101 ¹	3/4X1/2	25	0	080	15.77
875-130 ¹	1X1/2	20	0	080	27.65
875-131 ¹	1X3/4	20	0	080	27.65
875-166 ¹	1-1/4X1/2	20	0	080	42.60
875-167 ¹	1-1/4X3/4	20	0	080	42.60
875-168 ¹	1-1/4X1	20	0	080	42.60
875-209 ¹	1-1/2X1/2	20	0	080	45.63
875-210 ¹	1-1/2X3/4	20	0	080	45.63



Schedule 80 PVC Industrial Products & Accessories PVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Wye (continued)

Soc

875-211 ¹	1-1/2X1	20	0	080	45.63
875-212 ¹	1-1/2X1-1/4	20	0	080	45.63
875-247 ¹	2X1/2	10	0	080	114.39
875-248 ¹	2X3/4	10	0	080	114.39
875-249 ¹	2X1	10	0	080	114.39
875-250 ¹	2X1-1/4	10	0	080	114.39
875-251 ¹	2X1-1/2	10	0	080	114.39
875-335 ¹	3X1	5	0	080	360.31
875-336 ¹	3X1-1/4	5	0	080	360.31
875-337 ¹	3X1-1/2	5	0	080	360.31
875-338 ¹	3X2	4	0	080	360.31
875-339 ¹	3X2-1/2	5	0	080	360.31
875-420	4X2	4	0	080	452.99
875-420F [*]	4X2	1	5	083	377.54
875-421 ¹	4X2-1/2	4	0	080	502.11
875-421F [*]	4X2-1/2	1	4	083	421.91
875-422 ¹	4X3	4	0	080	452.99
875-525 ¹	6X1	5	0	080	555.41
875-528 ¹	6X2	5	0	080	493.23
875-528F [*]	6X2	1	3	083	387.87
875-530 ¹	6X3	5	0	080	493.23
875-530F [*]	6X3	1	2	083	421.39
875-532	6X4	5	0	080	398.68
875-578 ¹	8X2	1	0	080	1376.22
875-578F [*]	8X2	1	2	083	627.53
875-579F [*]	8X2-1/2	1	2	083	641.60
875-580 ¹	8X3	1	0	080	1376.22
875-580F [*]	8X3	1	2	083	637.40
875-582 ¹	8X4	1	0	080	1376.22
875-582F [*]	8X4	1	2	083	675.85
875-585 ¹	8X6	1	0	080	1283.76
875-585F [*]	8X6	1	0	083	796.97
875-621F [*]	10X2	1	0	083	844.78
875-622F [*]	10X2-1/2	1	0	083	850.66
875-623F [*]	10X3	1	0	083	861.23
875-624F [*]	10X4	1	0	083	938.64
875-625F [*]	10X5	1	0	083	1051.96
875-626	10X6	1	0	081	1486.28
875-626F [*]	10X6	1	0	083	1068.09
875-628	10X8	1	0	081	1892.27
875-628F [*]	10X8	1	0	083	1235.26
875-661F [*]	12X2	1	0	083	937.48
875-662F [*]	12X2-1/2	1	0	083	1022.05
875-663F [*]	12X3	1	0	083	1118.43
875-664F [*]	12X4	1	0	083	1184.45
875-666F [*]	12X6	1	0	083	1350.82
875-668F [*]	12X8	1	0	083	1479.86
875-670F [*]	12X10	1	0	083	1568.26
875-694F [*]	14X4	1	0	083	1465.83
875-696F [*]	14X6	1	0	083	1551.16
875-698F [*]	14X8	1	0	083	1586.94
875-700F [*]	14X10	1	0	083	1771.81
875-702F [*]	14X12	1	0	083	2008.17
875-754F [*]	16X4	1	0	083	1596.45
875-756F [*]	16X6	1	0	083	1603.37
875-758F [*]	16X8	1	0	083	1809.53
875-760F [*]	16X10	1	0	083	2037.07
875-762F [*]	16X12	1	0	083	2219.47
875-764F [*]	16X14	1	0	083	2570.27
875-784F [*]	18X4	1	0	083	2865.94
875-786F [*]	18X6	1	0	083	3236.16
875-788F [*]	18X8	1	0	083	3356.36
875-790F [*]	18X10	1	0	083	3607.44
875-792F [*]	18X12	1	0	083	3621.20
875-794F [*]	18X14	1	0	083	3911.07

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Wye (continued)

Soc

875-796F [*]	18X16	1	0	083	3938.64
875-814F [*]	20X4	1	0	083	3541.55
875-816F [*]	20X6	1	0	083	3816.26
875-818F [*]	20X8	1	0	083	4032.94
875-820F [*]	20X10	1	0	083	4169.53
875-822F [*]	20X12	1	0	083	4319.27
875-824F [*]	20X14	1	0	083	4662.76
875-826F [*]	20X16	1	0	083	5048.65
875-828F [*]	20X18	1	0	083	5240.45
875-904F [*]	24X4	1	0	083	4406.20
875-906F [*]	24X6	1	0	083	4557.80
875-908F [*]	24X8	1	0	083	4674.47
875-910F [*]	24X10	1	0	083	4886.00
875-912F [*]	24X12	1	0	083	5196.57
875-914F [*]	24X14	1	0	083	5398.13
875-916F [*]	24X16	1	0	083	5759.03
875-918F [*]	24X18	1	0	083	6641.34
875-920F [*]	24X20	1	0	083	6952.43

¹ Sized with Bushing

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

Double Wye

Soc



100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

876-020F [*]	2	1	4	083	317.94
876-030F [*]	3	1	4	083	400.68
876-040F [*]	4	1	2	083	727.63
876-060F [*]	6	1	0	083	850.47
876-080F [*]	8	1	0	083	1013.28
876-100F [*]	10	1	0	083	1805.57
876-120F [*]	12	1	0	083	2542.66

For larger sizes please contact your Regional Spears® Distribution Center.

Reducing Double Wye

Soc



Size 3" is 150 psi, all Fabricated Sizes- 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

876-338	3X2	5	0	080	386.64
876-420F [*]	4X2	1	2	083	504.94
876-421F [*]	4X2-1/2	1	2	083	571.70
876-422F [*]	4X3	1	2	083	591.34
876-528F [*]	6X2	1	2	083	594.17
876-529F [*]	6X2-1/2	1	2	083	620.62
876-530F [*]	6X3	1	2	083	624.65
876-532F [*]	6X4	1	0	083	744.59
876-578F [*]	8X2	1	2	083	766.41
876-579F [*]	8X2-1/2	1	2	083	802.59
876-580F [*]	8X3	1	0	083	807.49
876-582F [*]	8X4	1	0	083	833.54
876-585F [*]	8X6	1	0	083	941.16
876-621F [*]	10X2	1	0	083	1021.94
876-622F [*]	10X2-1/2	1	0	083	1100.06
876-623F [*]	10X3	1	0	083	1106.59
876-624F [*]	10X4	1	0	083	1148.59
876-626F [*]	10X6	1	0	083	1202.26
876-628F [*]	10X8	1	0	083	1545.14
876-661F [*]	12X2	1	0	083	1141.88
876-662F [*]	12X2-1/2	1	0	083	1209.63
876-663F [*]	12X3	1	0	083	1228.72
876-664F [*]	12X4	1	0	083	1308.82
876-666F [*]	12X6	1	0	083	1518.85

Schedule 80 PVC Industrial Products & Accessories
PVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Double Wye (continued)

Soc

876-668F*	12X8	1	0	083	1814.21
876-670F*	12X10	1	0	083	2069.17

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

For larger sizes please contact your Regional Spears® Distribution Center.

Cross

Soc



820-002	1/4	25	150	080	43.64
820-005	1/2	50	0	080	43.64
820-007	3/4	50	0	080	45.93
820-010	1	50	0	080	53.78
820-012	1-1/4	25	0	080	64.53
820-015	1-1/2	25	0	080	69.57
820-020	2	10	0	080	86.14
820-025	2-1/2	10	0	080	117.45
820-030	3	5	0	080	146.49
820-040	4	3	0	080	254.88
820-060F	6	1	0	083	612.47
820-080F	8	1	0	083	895.56
820-100F	10	1	0	083	1444.46
820-120F	12	1	0	083	2034.14
820-140F	14	1	0	083	3269.21
820-160F	16	1	0	083	3705.04
820-180F	18	1	0	083	3886.23
820-200F	20	1	0	083	5658.71
820-240F	24	1	0	083	8503.36

Reducing Cross

Soc



820-101 ¹	3/4X1/2	50	0	080	50.60
820-130 ¹	1X1/2	25	0	080	65.55
820-131	1X3/4	20	0	080	65.55
820-166 ¹	1-1/4X1/2	25	0	080	62.96
820-167	1-1/4X3/4	25	0	080	58.09
820-168 ¹	1-1/4X1	25	0	080	82.78
820-209 ¹	1-1/2X1/2	20	0	080	93.89
820-210 ¹	1-1/2X3/4	50	0	080	93.89
820-211 ¹	1-1/2X1	25	0	080	93.89
820-212 ¹	1-1/2X1-1/4	25	0	080	93.89
820-247 ¹	2X1/2	10	0	080	120.46
820-248 ¹	2X3/4	10	0	080	120.46
820-249 ¹	2X1	10	0	080	120.46
820-250 ¹	2X1-1/4	10	0	080	120.46
820-251 ¹	2X1-1/2	10	0	080	120.46
820-289	2-1/2X1	15	0	080	105.68
820-290 ¹	2-1/2X1-1/4	10	0	080	176.44
820-291 ¹	2-1/2X1-1/2	10	0	080	176.44
820-292 ¹	2-1/2X2	4	0	080	176.44
820-335 ¹	3X1	4	0	080	239.27
820-336 ¹	3X1-1/4	4	0	080	239.27
820-337 ¹	3X1-1/2	4	0	080	239.27
820-338 ¹	3X2	4	0	080	239.27
820-339 ¹	3X2-1/2	4	0	080	239.27
820-420 ¹	4X2	3	0	080	384.41
820-422 ¹	4X3	3	0	080	384.41
820-528F	6X2	1	4	083	475.33
820-530F	6X3	1	2	083	499.72
820-532F	6X4	1	2	083	595.62
820-578F	8X2	1	0	083	613.37
820-580F	8X3	1	0	083	645.69
820-582F	8X4	1	0	083	666.85

Made in the U.S.A.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Cross (continued)

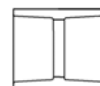
Soc

820-585F	8X6	1	0	083	720.62
820-621F	10X2	1	0	083	816.50
820-622F	10X2-1/2	1	0	083	839.38
820-623F	10X3	1	0	083	885.32
820-624F	10X4	1	0	083	918.98
820-626F	10X6	1	0	083	961.71
820-628F	10X8	1	0	083	1236.80
820-661F	12X2	1	0	083	913.50
820-663F	12X3	1	0	083	984.19
820-664F	12X4	1	0	083	1047.46
820-666F	12X6	1	0	083	1216.37
820-668F	12X8	1	0	083	1453.03
820-670F	12X10	1	0	083	988.23
820-691F	14X2	1	0	083	1310.80
820-693F	14X3	1	0	083	1410.69
820-694F	14X4	1	0	083	1548.89
820-696F	14X6	1	0	083	1710.77
820-698F	14X8	1	0	083	1946.10
820-700F	14X10	1	0	083	2248.54
820-702F	14X12	1	0	083	2543.28
820-751F	16X2	1	0	083	1639.85
820-753F	16X3	1	0	083	1765.98
820-754F	16X4	1	0	083	1959.06
820-756F	16X6	1	0	083	2118.79
820-758F	16X8	1	0	083	2369.85
820-760F	16X10	1	0	083	2582.41
820-762F	16X12	1	0	083	2900.49
820-764F	16X14	1	0	083	3632.44
820-784F	18X4	1	0	083	2765.40
820-786F	18X6	1	0	083	2886.35
820-788F	18X8	1	0	083	3097.59
820-790F	18X10	1	0	083	3308.67
820-792F	18X12	1	0	083	3464.68
820-794F	18X14	1	0	083	3670.96
820-796F	18X16	1	0	083	3825.13
820-814F	20X4	1	0	083	3467.59
820-816F	20X6	1	0	083	3994.16
820-818F	20X8	1	0	083	4039.02
820-820F	20X10	1	0	083	4318.03
820-822F	20X12	1	0	083	4630.07
820-824F	20X14	1	0	083	5169.91
820-826F	20X16	1	0	083	5270.71
820-828F	20X18	1	0	083	5555.43
820-904F	24X4	1	0	083	4139.80
820-906F	24X6	1	0	083	4400.29
820-908F	24X8	1	0	083	4572.11
820-910F	24X10	1	0	083	4637.43
820-912F	24X12	1	0	083	4849.27
820-914F	24X14	1	0	083	5769.97
820-916F	24X16	1	0	083	6161.72
820-918F	24X18	1	0	083	7069.99
820-920F	24X20	1	0	083	8453.65

¹ Sized with Bushing

Coupling

Soc



829-002	1/4	25	450	080	9.09
829-003	3/8	25	150	080	9.09
829-005	1/2	25	150	080	5.68
829-007	3/4	25	300	080	7.69
829-010	1	25	200	080	7.90
829-012	1-1/4	10	80	080	12.04
829-015	1-1/2	10	80	080	12.98



Schedule 80 PVC Industrial Products & Accessories

PVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Coupling (continued)

Soc

829-020	2	20	0	080	13.94
829-025	2-1/2	10	0	080	34.30
829-030	3	5	0	080	39.39
829-040	4	5	0	080	49.33
829-050	5	5	0	080	97.83
829-050F	5	1	5	083	61.06
829-060	6	4	0	080	106.17
829-080	8	4	0	080	144.49
829-100	10	1	0	081	495.91
829-100F	10	1	0	083	167.01
829-120	12	1	0	081	571.53
829-120F	12	1	0	083	192.51
829-140	14	1	0	081	727.15
829-140F	14	1	0	083	384.95
829-160F	16	1	0	083	457.66
829-180F	18	1	0	083	902.11
829-200F	20	1	0	083	1112.26
829-240F	24	1	0	083	1221.27

Grooved Coupling Adapter

Groove x Soc



833-012	1-1/4	10	60	080	15.77
833-015	1-1/2	10	80	080	17.62
833-020	2	10	80	080	20.50
833-025	2-1/2	5	0	080	44.27
833-030	3	5	0	080	52.77
833-040	4	5	0	080	59.89
833-050F	5	1	7	084	114.96
833-060	6	5	0	080	129.31
833-080F	8	1	4	084	148.29
833-100F	10	1	0	084	182.10
833-120F	12	1	0	084	246.00

Coupling

Fipt



830-002	1/4	25	450	080	6.81
830-003	3/8	25	150	080	6.81
830-005	1/2	25	150	080	6.36
830-007	3/4	25	300	080	9.06
830-010	1	15	90	080	9.73
830-012	1-1/4	10	120	080	12.04
830-015	1-1/2	10	80	080	26.79
830-020	2	10	0	080	28.12
830-025	2-1/2	5	0	080	67.13
830-030	3	5	0	080	78.72
830-040	4	5	0	080	136.31
830-060F	6	1	8	083	171.79
830-080F	8	1	6	083	252.62
830-100F	10	1	2	083	343.60

Special Reinforced Coupling

SR Fipt - Stainless Steel Collar

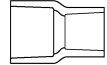


830-005SR	1/2	25	150	086	3.51
830-007SR	3/4	25	150	086	4.99
830-010SR	1	25	200	086	5.33
830-012SR	1-1/4	10	120	086	6.64
830-015SR	1-1/2	10	80	086	14.70
830-020SR	2	10	0	086	15.41

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Coupling

Soc



829-101	3/4X1/2	50	400	080	6.95
829-130	1X1/2	25	200	080	9.71
829-131	1X3/4	25	200	080	10.14
829-166	1-1/4X1/2	25	0	080	20.59
829-167	1-1/4X3/4	25	0	080	20.59
829-168	1-1/4X1	25	0	080	20.59
829-209	1-1/2X1/2	25	0	080	21.55
829-210	1-1/2X3/4	25	0	080	21.55
829-211	1-1/2X1	25	0	080	21.55
829-212	1-1/2X1-1/4	25	0	080	26.63
829-247	2X1/2	25	0	080	24.30
829-248	2X3/4	10	80	080	24.30
829-249	2X1	16	0	080	24.30
829-250	2X1-1/4	10	40	080	24.30
829-251	2X1-1/2	10	40	080	24.30
829-291	2-1/2X1-1/2	10	0	080	32.41
829-292	2-1/2X2	10	0	080	32.41
829-335 ¹	3X1	8	0	080	74.12
829-336 ¹	3X1-1/4	6	0	080	74.12
829-337 ¹	3X1-1/2	8	0	080	74.12
829-338	3X2	8	0	080	59.69
829-339 ¹	3X2-1/2	5	0	080	85.11
829-339F	3X2-1/2	1	9	083	53.54
829-416 ¹	4X3/4	6	0	080	123.26
829-417 ¹	4X1	6	0	080	123.26
829-419 ¹	4X1-1/2	4	0	080	123.26
829-420	4X2	6	0	080	113.79
829-421	4X2-1/2	4	0	080	113.79
829-422	4X3	4	0	080	112.45
829-460F	4-1/2X4	1	20	083	74.44
829-487F	5X2-1/2	1	6	083	110.52
829-488F	5X3	1	6	083	107.15
829-490F	5X4	1	8	083	57.80
829-491F	5X4-1/2	1	10	083	81.60
829-528 ¹	6X2	6	0	080	281.56
829-529 ¹	6X2-1/2	4	0	080	337.64
829-530 ¹	6X3	12	0	080	284.43
829-530F	6X3	1	10	083	106.14
829-532	6X4	4	0	080	229.36
829-534F	6X4-1/2	1	5	083	92.80
829-533F	6X5	1	5	083	97.31
829-579F	8X2-1/2	1	6	083	293.77
829-580F	8X3	1	6	083	269.20
829-582F	8X4	1	6	083	251.22
829-583F	8X5	1	4	083	276.16
829-585	8X6	2	0	080	694.67
829-621F	10X2	1	2	083	433.32
829-623F	10X3	1	2	083	405.68
829-624F	10X4	1	2	083	382.88
829-625F	10X5	1	4	083	348.13
829-626	10X6	1	0	081	813.26
829-626F	10X6	1	4	083	313.77
829-628	10X8	1	0	081	813.26
829-663F	12X3	1	2	083	625.48
829-664F	12X4	1	2	083	534.32
829-665F	12X5	1	2	083	495.72
829-666F	12X6	1	0	083	462.20
829-668	12X8	1	0	081	925.41
829-668F	12X8	1	0	083	357.87
829-670F	12X10	1	0	083	241.77
829-691F	14X2	1	0	083	932.31
829-694F	14X4	1	0	083	778.50
829-696F	14X6	1	0	083	657.57

Schedule 80 PVC Industrial Products & Accessories
PVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Coupling (continued)

Soc

829-698F	14X8	1	0	083	601.72
829-700F	14X10	1	0	083	588.52
829-702F	14X12	1	0	083	352.99
829-754F	16X4	1	0	083	1155.86
829-756F	16X6	1	0	083	1045.38
829-758F	16X8	1	0	083	918.13
829-760F	16X10	1	0	083	815.53
829-762F	16X12	1	0	083	687.41
829-764F	16X14	1	0	083	521.83
829-783F	18X3	1	0	083	2508.07
829-784F	18X4	1	0	083	2438.84
829-786F	18X6	1	0	083	2279.76
829-788F	18X8	1	0	083	2158.56
829-790F	18X10	1	0	083	1952.65
829-792F	18X12	1	0	083	1607.27
829-794F	18X14	1	0	083	1088.06
829-796F	18X16	1	0	083	928.91
829-814F	20X4	1	0	083	2414.47
829-816F	20X6	1	0	083	2223.06
829-818F	20X8	1	0	083	2124.82
829-820F	20X10	1	0	083	2050.29
829-822F	20X12	1	0	083	1773.69
829-824F	20X14	1	0	083	1769.00
829-826F	20X16	1	0	083	1625.01
829-828F	20X18	1	0	083	1120.57
829-904F	24X4	1	0	083	3862.18
829-906F	24X6	1	0	083	3803.37
829-908F	24X8	1	0	083	3720.95
829-910F	24X10	1	0	083	3631.20
829-912F	24X12	1	0	083	3303.30
829-914F	24X14	1	0	083	3046.86
829-916F	24X16	1	0	083	2776.78
829-918F	24X18	1	0	083	2536.40
829-920F	24X20	1	0	083	2394.88

¹ Sized with Bushing

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Eccentric Reducer Coupling (continued)

Soc

829-528FE ³	6X2	1	6	083	171.76
829-529FE ³	6X2-1/2	1	2	083	156.78
829-530FE ²	6X3	1	6	083	151.31
829-532FE	6X4	1	5	083	109.54
829-533FE	6X5	1	5	083	101.02
829-575FE ⁵	8X1	1	0	083	350.40
829-577FE ⁵	8X1-1/2	1	0	083	342.53
829-578FE ⁴	8X2	1	0	083	304.33
829-580FE ³	8X3	1	2	083	231.94
829-582FE ²	8X4	1	2	083	189.46
829-583FE ²	8X5	1	2	083	189.06
829-585FE	8X6	1	4	083	145.69
829-624FE ³	10X4	1	0	083	320.61
829-625FE ³	10X5	1	0	083	365.00
829-626FE ²	10X6	1	2	083	272.11
829-628FE	10X8	1	2	083	251.44
829-664FE ⁴	12X4	1	0	083	490.28
829-666FE ³	12X6	1	0	083	403.49
829-668FE ²	12X8	1	0	083	348.59
829-670FE	12X10	1	2	083	222.82
829-696FE ³	14X6	1	0	083	798.65
829-698FE ²	14X8	1	0	083	656.77
829-700FE	14X10	1	0	083	544.72
829-702FE	14X12	1	0	083	349.94
829-756FE ⁴	16X6	1	0	083	1475.54
829-758FE ³	16X8	1	0	083	1351.18
829-760FE ²	16X10	1	0	083	982.94
829-762FE ²	16X12	1	0	083	872.69
829-764FE	16X14	1	0	083	675.95
829-786FE ⁵	18X6	1	0	083	2036.86
829-788FE ⁴	18X8	1	0	083	1949.82
829-790FE ³	18X10	1	0	083	1822.05
829-792FE ³	18X12	1	0	083	1626.32
829-794FE ²	18X14	1	0	083	1340.80
829-796FE	18X16	1	0	083	1308.31

Eccentric Reducer Coupling

Soc

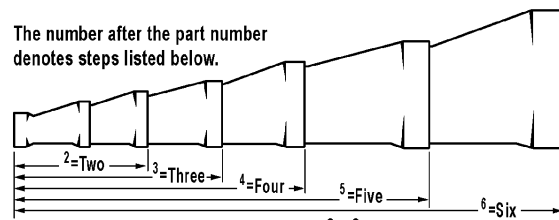


829-101FE	3/4X1/2	1	25	083	36.63
829-130FE	1X1/2	1	16	083	25.70
829-131FE	1X3/4	1	15	083	37.71
829-168FE	1-1/4X1	1	12	083	29.89
829-209FE	1-1/2X1/2	1	0	083	47.33
829-210FE	1-1/2X3/4	1	25	083	48.98
829-212FE	1-1/2X1-1/4	1	20	083	31.04
829-249FE	2X1	1	25	083	44.26
829-250FE	2X1-1/4	1	25	083	41.13
829-251FE	2X1-1/2	1	10	083	39.24
829-290FE ²	2-1/2X1-1/4	1	10	083	60.96
829-291FE ²	2-1/2X1-1/2	1	20	083	59.26
829-292FE	2-1/2X2	1	10	083	45.76
829-335FE ²	3X1	1	10	083	60.05
829-336FE ²	3X1-1/4	1	10	083	57.84
829-337FE ²	3X1-1/2	1	10	083	55.57
829-338E	3X2	15	0	080	59.69
829-338FE	3X2	1	20	083	35.49
829-339FE	3X2-1/2	1	10	083	34.72
829-417FE ³	4X1	1	18	083	145.95
829-418FE ³	4X1-1/4	1	6	083	143.36
829-419FE ³	4X1-1/2	1	6	083	138.80
829-420FE ²	4X2	1	10	083	96.91
829-421FE ²	4X2-1/2	1	6	083	80.81
829-422FE	4X3	1	10	083	73.29
829-490FE	5X4	1	8	083	97.53

Eccentric Reducer Coupling Footnotes

Multi-Step Configurations

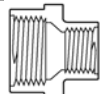
The number after the part number denotes steps listed below.



Example: 829-582 FE² (² = 2 Step)

Reducer Coupling

Fipt

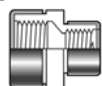


830-101	3/4X1/2	50	200	080	7.56
830-211 ¹	1-1/2X1	10	40	080	36.86

¹ Sized with Bushing

Special Reinforced Reducer Coupling

SR Fipt - Stainless Steel Collar



830-101SR	3/4X1/2	50	200	086	4.54
830-130SR	1X1/2	50	0	086	6.74
830-131SR	1X3/4	25	200	086	6.74
830-168SR	1-1/4X1	25	0	086	14.46
830-210SR	1-1/2X3/4	25	0	086	21.46



Schedule 80 PVC Industrial Products & Accessories PVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Special Reinforced Reducer Coupling (continued)

SR Fipt - Stainless Steel Collar

830-211SR	1-1/2X1	10	80	086	21.46
830-212SR	1-1/2X1-1/4	10	80	086	21.46
830-249SR	2X1	25	0	086	28.44
830-251SR	2X1-1/2	10	0	086	28.44

Fabricated Repair Coupling

Gasket



828-020F	2	1	15	083	78.06
828-030F	3	1	5	083	99.44
828-040F	4	1	4	083	123.91
828-060F	6	1	2	083	143.55
828-080F	8	1	2	083	188.73
828-100F	10	1	0	083	337.93
828-120F	12	1	0	083	430.47
828-140F	14	1	0	083	986.80
828-160F	16	1	0	083	1177.56
828-180F	18	1	0	083	2032.21
828-200F	20	1	0	083	2194.80
828-240F	24	1	0	083	3012.18

Female Adapter

Soc x Fipt



835-002	1/4	25	450	080	9.61
835-003	3/8	25	400	080	9.61
835-005	1/2	25	150	080	5.32
835-007	3/4	25	150	080	7.90
835-010	1	15	90	080	11.65
835-012	1-1/4	10	120	080	18.87
835-015	1-1/2	10	80	080	23.13
835-020	2	10	0	080	40.36
835-025	2-1/2	5	0	080	63.72
835-030	3	5	0	080	71.73
835-040	4	5	0	080	123.28
835-060	6	6	0	080	145.98
835-060F	6	1	8	083	191.69
835-080	8	3	0	080	274.44
835-080F	8	1	6	083	226.60
835-100F	10	1	2	083	248.38
835-120F	12	1	0	083	313.46

Special Reinforced Female Adapter

Soc x SR Fipt - Stainless Steel Collar



835-002SR	1/4	25	450	086	5.31
835-003SR	3/8	25	300	086	5.31
835-005SR	1/2	25	300	086	2.95
835-007SR	3/4	25	300	086	4.29
835-010SR	1	25	200	086	6.38
835-012SR	1-1/4	10	60	086	10.32
835-015SR	1-1/2	10	80	086	12.70
835-020SR	2	10	0	086	22.15
835-025SR	2-1/2	5	0	086	34.95
835-030SR	3	15	0	086	39.38
835-040SR	4	5	0	086	67.68
835-060SR	6	6	0	086	87.93

Encapsulated Special Reinforced Female Adapter

Soc x ESR Fipt



835-002ESR	1/4	25	450	086	7.69
835-003ESR	3/8	25	300	086	7.69
835-005ESR	1/2	25	300	086	4.77

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

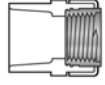
Encapsulated Special Reinforced Female Adapter (continued)

Soc x ESR Fipt

835-007ESR	3/4	25	300	086	7.04
835-010ESR	1	25	200	086	9.32
835-012ESR	1-1/4	10	80	086	15.04
835-015ESR	1-1/2	10	80	086	21.73
835-020ESR	2	10	0	086	32.30

Transition Female Adapter

Soc x Fipt With Brass Thread Insert

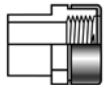


835-005BR	1/2	25	150	086	23.72
835-007BR	3/4	25	150	086	34.07
835-010BR	1	15	90	086	58.71
835-012BR	1-1/4	15	60	086	96.68
835-015BR	1-1/2	10	40	086	127.01
835-020BR	2	8	32	086	157.31

Not intended to convey or dispense water for human consumption through drinking or cooking

Special Reinforced Spigot Female Adapter

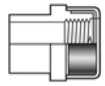
Spig x SR Fipt - Stainless Steel Collar



878-005SR	1/2	50	600	086	3.88
878-007SR	3/4	25	300	086	4.57
878-010SR	1	50	0	086	7.04
878-012SR	1-1/4	25	0	086	11.21
878-015SR	1-1/2	25	0	086	13.44
878-020SR	2	15	0	086	22.37
878-030SR	3	5	0	086	41.12
878-040SR	4	5	0	086	69.81

Encapsulated Special Reinforced Spigot Female Adapter

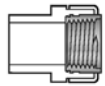
Spig x ESR Fipt



878-005ESR	1/2	50	600	086	5.29
878-007ESR	3/4	25	300	086	7.29
878-010ESR	1	50	0	086	10.00
878-012ESR	1-1/4	25	0	086	15.39
878-015ESR	1-1/2	25	0	086	21.85
878-020ESR	2	15	0	086	32.93

Transition Female Adapter

Spig x Fipt With Brass Thread Insert

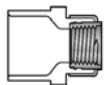


878-005BR	1/2	25	150	086	19.95
878-010BR	1	15	90	086	63.47

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Reducing Female Adapter

Soc x Fipt With Brass Thread Insert



835-101BR	3/4X1/2	50	0	086	35.22
-----------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Male Adapter w/ Brass Thread

Brass Mipt x Socket



836-005BR	1/2	40	160	086	26.11
836-007BR	3/4	40	160	086	39.37
836-010BR	1	10	60	086	64.02
836-012BR	1-1/4	10	60	086	107.84
836-015BR	1-1/2	10	40	086	143.10
836-020BR	2	8	32	086	177.77

Schedule 80 PVC Industrial Products & Accessories
PVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Transition Female Adapter

Soc x Fipt With 316 Stainless Steel Thread Insert



835-005SS	1/2	25	300	086	46.48
835-007SS	3/4	15	90	086	66.80
835-010SS	1	15	90	086	113.67
835-012SS	1-1/4	15	60	086	189.84
835-015SS	1-1/2	10	40	086	247.99
835-020SS	2	8	32	086	318.13

Special Reinforced Reducing Female Adapter

Soc x SR Fipt - Stainless Steel Collar



835-074SR	1/2X3/4	50	400	086	4.29
835-101SR	3/4X1/2	50	400	086	4.29
835-102SR	3/4X1	50	0	086	6.38
835-130SR	1X1/2	50	0	086	6.38
835-131SR	1X3/4	25	200	086	6.38

Special Reinforced Reducing Spigot Female Adapter

Spig x SR Fipt - Stainless Steel Collar



878-072SR	1/2X1/4	25	450	086	10.78
878-098SR	3/4X1/4	50	400	086	14.86
878-128SR	1X1/4	50	400	086	15.32

Male Adapter

Mipt x Soc



836-053	3/8X1/2	50	900	080	6.61
836-005	1/2	25	150	080	6.64
836-007	3/4	25	300	080	7.32
836-102	3/4X1	50	0	080	15.68
836-131	1X3/4	50	400	080	15.68
836-010	1	20	120	080	12.67
836-012	1-1/4	10	120	080	14.82
836-015	1-1/2	10	120	080	21.29
836-020	2	10	80	080	30.79
836-025	2-1/2	5	0	080	35.00
836-030	3	5	0	080	38.85
836-040	4	4	0	080	69.12
836-050F	5	1	8	083	210.14
836-060	6	5	0	080	153.54
836-080F	8	1	2	083	165.55
836-100F	10	1	2	083	198.13
836-120F	12	1	0	083	294.44

Reinforced Male Adapter

R Mipt x Soc - Stainless Steel Sleeve



836-005R	1/2	25	150	086	3.65
836-007R	3/4	25	300	086	4.00
836-010R	1	10	60	086	7.01

Male Adapter

Spig x Mipt

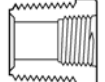


861-005	1/2	50	300	080	6.68
861-007	3/4	25	300	080	9.85
861-010	1	50	0	080	14.55
861-131	1X3/4	50	200	080	15.01
861-012	1-1/4	25	0	080	15.77
861-015	1-1/2	25	0	080	17.62
861-020	2	25	0	080	20.50

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer (T.T.) Bushing Flush Style

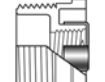
Mipt x Fipt



839-041	1/4X1/8	25	500	080	11.45
839-052	3/8X1/4	50	450	080	11.45
839-072	1/2X1/4	50	300	080	11.45
839-073	1/2X3/8	50	300	080	11.45
839-098	3/4X1/4	50	300	080	8.53
839-099	3/4X3/8	50	300	080	8.53
839-101	3/4X1/2	50	300	080	7.03
839-128	1X1/4	25	150	080	13.77
839-129	1X3/8	50	600	080	11.01
839-130	1X1/2	50	300	080	11.01
839-131	1X3/4	50	700	080	11.01
839-166	1-1/4X1/2	25	300	080	11.68
839-167	1-1/4X3/4	25	300	080	11.68
839-168	1-1/4X1	25	300	080	11.68
839-209	1-1/2X1/2	25	200	080	13.84
839-210	1-1/2X3/4	25	200	080	13.84
839-211	1-1/2X1	25	200	080	13.84
839-212	1-1/2X1-1/4	25	200	080	13.84
839-247	2X1/2	10	120	080	20.28
839-248	2X3/4	10	120	080	20.28
839-249	2X1	10	120	080	20.28
839-250	2X1-1/4	10	120	080	20.28
839-251	2X1-1/2	10	120	080	20.28
839-292	2-1/2X2	10	80	080	27.46
839-337	3X1-1/2	10	0	080	37.33
839-338	3X2	10	0	080	37.33
839-339	3X2-1/2	10	0	080	37.33
839-420	4X2	6	0	080	76.94
839-422	4X3	6	0	080	98.26

Special Reinforced Reducer Bushing

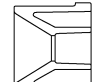
Mipt x SR Fipt - Stainless Steel Collar



839-128SR	1X1/4	25	150	086	5.68
839-209SR	1-1/2X1/2	25	200	086	8.30
839-210SR	1-1/2X3/4	25	100	086	8.30
839-247SR	2X1/2	10	120	086	12.19
839-248SR	2X3/4	10	120	086	12.19
839-249SR	2X1	10	120	086	12.19
839-420SR	4X2	6	0	086	46.16

Reducer Bushing Flush Style

Spig x Soc



837-052	3/8X1/4	50	450	080	5.02
837-072	1/2X1/4	50	600	080	5.02
837-073	1/2X3/8	50	600	080	5.02
837-101	3/4X1/2	50	600	080	1.83
837-129 ¹	1X3/8	50	200	080	10.46
837-130	1X1/2	50	300	080	5.24
837-131	1X3/4	50	400	080	5.24
837-166	1-1/4X1/2	25	150	080	8.22
837-167	1-1/4X3/4	25	300	080	8.22
837-168	1-1/4X1	25	200	080	8.22
837-209	1-1/2X1/2	25	200	080	11.20
837-210	1-1/2X3/4	25	200	080	11.20
837-211	1-1/2X1	25	200	080	11.20
837-212	1-1/2X1-1/4	25	200	080	11.20
837-247	2X1/2	10	120	080	15.97
837-248	2X3/4	10	120	080	15.97
837-249	2X1	10	120	080	15.97
837-250	2X1-1/4	10	120	080	15.97
837-251	2X1-1/2	10	120	080	15.97



Schedule 80 PVC Industrial Products & Accessories

PVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Bushing Flush Style (continued)

Spig x Soc

837-287 ¹	2-1/2X1/2	10	40	080	37.09
837-288 ¹	2-1/2X3/4	10	40	080	37.09
837-289	2-1/2X1	10	0	080	37.09
837-290	2-1/2X1-1/4	10	80	080	27.73
837-291	2-1/2X1-1/2	10	40	080	27.73
837-292	2-1/2X2	15	0	080	27.73
837-333 ¹	3X1/2	10	0	080	51.06
837-334 ¹	3X3/4	10	0	080	49.44
837-335	3X1	10	0	080	43.99
837-336	3X1-1/4	10	0	080	43.99
837-337	3X1-1/2	10	0	080	43.99
837-338	3X2	10	0	080	43.99
837-339	3X2-1/2	15	0	080	43.99
837-415 ¹	4X1/2	6	0	080	78.20
837-416 ¹	4X3/4	6	0	080	78.20
837-417 ¹	4X1	6	0	080	78.20
837-418 ¹	4X1-1/4	6	0	080	78.20
837-419 ¹	4X1-1/2	6	0	080	78.20
837-420	4X2	6	0	080	60.91
837-421	4X2-1/2	6	0	080	60.91
837-422	4X3	6	0	080	60.91
837-486 ¹	5X2	3	0	080	68.56
837-488 ¹	5X3	5	0	080	90.30
837-490	5X4	4	0	080	80.47
837-490F	5X4	1	4	083	85.82
837-524 ¹	6X3/4	5	0	080	101.67
837-525 ¹	6X1	5	0	080	96.59
837-526 ¹	6X1-1/4	5	0	080	101.67
837-527 ¹	6X1-1/2	5	0	080	101.67
837-528	6X2	5	0	080	84.70
837-529 ¹	6X2-1/2	5	0	080	131.32
837-530	6X3	5	0	080	84.70
837-532	6X4	5	0	080	84.70
837-533F	6X5	1	5	083	275.57
837-534	6X5	5	0	080	84.70
837-577 ¹	8X1-1/2	4	0	080	313.36
837-578 ¹	8X2	4	0	080	296.67
837-580 ¹	8X3	6	0	080	296.67
837-582 ¹	8X4	6	0	080	206.05
837-583 ¹	8X5	2	0	080	299.76
837-583F	8X5	1	6	083	487.73
837-585	8X6	4	0	080	206.05
837-621 ¹	10X2	2	0	081	573.68
837-622 ¹	10X2-1/2	2	0	081	625.06
837-623 ¹	10X3	2	0	081	573.68
837-624 ¹	10X4	2	0	081	573.68
837-625F	10X5	1	4	083	747.21
837-626	10X6	4	0	081	484.03
837-628	10X8	4	0	081	484.03
837-628F	10X8	1	6	083	187.20
837-663 ¹	12X3	2	0	081	850.14
837-664 ¹	12X4	2	0	081	850.14
837-666 ¹	12X6	2	0	081	781.05
837-666F ¹	12X6	1	2	083	549.90
837-668	12X8	2	0	081	559.38
837-668F ¹	12X8	1	2	083	532.07
837-670	12X10	2	0	081	559.38
837-670F	12X10	1	3	083	213.12
837-694F	14X4	1	3	083	1212.28
837-696F	14X6	1	3	083	1079.40
837-698F	14X8	1	0	083	773.38
837-700F	14X10	1	3	083	482.81
837-702F	14X12	1	3	083	207.12
837-754F	16X4	1	0	083	1384.90
837-756F	16X6	1	0	083	1286.00

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Bushing Flush Style (continued)

Spig x Soc

837-758F	16X8	1	0	083	1012.49
837-760F	16X10	1	0	083	733.88
837-762F	16X12	1	2	083	433.13
837-764F	16X14	1	2	083	423.12
837-786F	18X6	1	0	083	2180.15
837-788F	18X8	1	0	083	1997.47
837-790F	18X10	1	0	083	1639.69
837-792F	18X12	1	0	083	1044.88
837-794F	18X14	1	0	083	1034.93
837-796F	18X16	1	0	083	477.98
837-816F	20X6	1	0	083	3041.49
837-818F	20X8	1	0	083	2812.94
837-820F	20X10	1	0	083	2603.98
837-822F	20X12	1	0	083	2308.94
837-824F	20X14	1	0	083	1898.53
837-826F	20X16	1	0	083	1489.64
837-828F	20X18	1	0	083	777.63
837-906F	24X6	1	0	083	4777.98
837-908F	24X8	1	0	083	4632.50
837-910F	24X10	1	0	083	4069.16
837-912F	24X12	1	0	083	3671.30
837-914F	24X14	1	0	083	3438.48
837-916F	24X16	1	0	083	3252.59
837-918F	24X18	1	0	083	2819.29
837-920F	24X20	1	0	083	2329.98

¹ Sized with Bushing

Reducer Bushing Flush Style

Spig x Fipt



838-052	3/8X1/4	50	450	080	5.02
838-071	1/2X1/8	50	600	080	5.02
838-072	1/2X1/4	50	350	080	5.02
838-073	1/2X3/8	50	500	080	5.02
838-098	3/4X1/4	50	600	080	3.32
838-099	3/4X3/8	50	600	080	3.32
838-101	3/4X1/2	50	300	080	3.32
838-127	1X1/8	25	150	080	5.24
838-129	1X3/8	50	400	080	5.24
838-130	1X1/2	50	300	080	5.24
838-131	1X3/4	50	400	080	5.24
838-166	1-1/4X1/2	25	300	080	10.65
838-167	1-1/4X3/4	25	300	080	10.65
838-168	1-1/4X1	25	300	080	10.65
838-206	1-1/2X1/8	25	100	080	13.34
838-207	1-1/2X1/4	25	200	080	12.67
838-209	1-1/2X1/2	25	200	080	13.34
838-210	1-1/2X3/4	25	200	080	13.34
838-211	1-1/2X1	25	200	080	13.34
838-212	1-1/2X1-1/4	25	200	080	13.34
838-247	2X1/2	10	60	080	16.32
838-248	2X3/4	10	60	080	16.32
838-249	2X1	10	120	080	16.32
838-250	2X1-1/4	10	120	080	16.32
838-251	2X1-1/2	10	120	080	16.32
838-287	2-1/2X1/2	10	0	080	34.55
838-288	2-1/2X3/4	10	40	080	34.55
838-289	2-1/2X1	10	40	080	34.55
838-290	2-1/2X1-1/4	10	0	080	34.55
838-291	2-1/2X1-1/2	10	0	080	34.55
838-292	2-1/2X2	10	40	080	34.55
838-334	3X3/4	10	0	080	63.96
838-335	3X1	10	0	080	63.96
838-336	3X1-1/4	10	0	080	63.96
838-337	3X1-1/2	10	0	080	63.96

Schedule 80 PVC Industrial Products & Accessories
PVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Bushing Flush Style (continued)

Spig x Fipt

838-338	3X2	10	0	080	63.96
838-339	3X2-1/2	10	0	080	63.96
838-419	4X1-1/2	6	0	080	123.62
838-420	4X2	6	0	080	98.26
838-421	4X2-1/2	6	0	080	98.26
838-422	4X3	6	0	080	98.26
838-528	6X2	5	0	080	113.18
838-530	6X3	5	0	080	113.18
838-532	6X4	5	0	080	113.18

Special Reinforced Reducer Bushing Flush Style

Spig x SR Fipt - Stainless Steel Collar

838-128SR	1X1/4	25	300	086	3.14
838-207SR	1-1/2X1/4	25	200	086	8.01
838-166SR	1-1/4X1/2	25	100	086	5.74
838-209SR	1-1/2X1/2	10	60	086	8.01
838-210SR	1-1/2X3/4	25	200	086	8.01
838-247SR	2X1/2	10	80	086	9.80
838-248SR	2X3/4	10	80	086	9.80
838-249SR	2X1	10	80	086	9.80
838-334SR	3X3/4	10	0	086	38.36
838-335SR	3X1	10	0	086	38.36
838-336SR	3X1-1/4	10	0	086	38.36
838-337SR	3X1-1/2	10	0	086	38.36
838-528SR	6X2	5	0	086	67.91
838-530SR	6X3	5	0	086	61.13
838-532SR	6X4	5	0	086	67.91

Cap Soc

847-002	1/4	25	450	080	7.22
847-003	3/8	25	450	080	7.22
847-005	1/2	25	150	080	5.56
847-007	3/4	25	300	080	5.86
847-010	1	15	90	080	10.41
847-012	1-1/4	10	120	080	12.56
847-015	1-1/2	10	120	080	12.56
847-020	2	10	80	080	24.80
847-025	2-1/2	5	40	080	50.64
847-030	3	5	0	080	59.26
847-040	4	5	0	080	99.93
847-050F	5	1	6	083	126.91
847-060	6	4	0	080	248.60
847-080	8	3	0	080	319.18
847-100F	10	1	5	083	326.50
847-120F	12	1	4	083	490.00
847-140F	14	1	2	083	542.65
847-160F	16	1	2	083	703.00
847-180F	18	1	0	083	1026.36
847-200F	20	1	0	083	1375.88
847-240F	24	1	0	083	2559.73

Cap Fipt

848-002	1/4	25	450	080	6.95
848-003	3/8	25	450	080	6.95
848-005	1/2	25	300	080	6.95
848-007	3/4	25	300	080	7.79
848-010	1	15	90	080	9.81
848-012	1-1/4	10	120	080	11.68
848-015	1-1/2	10	120	080	13.34
848-020	2	10	40	080	26.21

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Cap (continued)

Fipt

848-025	2-1/2	5	40	080	52.43
848-030	3	5	0	080	61.72
848-040	4	5	0	080	108.68
848-060F	6	1	4	083	181.32
848-080F	8	1	3	083	235.97

Special Reinforced Cap SR Fipt - Stainless Steel Collar

848-002SR	1/4	25	500	086	3.83
848-003SR	3/8	25	450	086	3.83
848-005SR	1/2	50	300	086	4.19
848-007SR	3/4	25	300	086	5.37
848-030SR	3	5	0	086	33.10

Plug Spig

849-005	1/2	50	300	080	5.20
849-007	3/4	50	300	080	5.79
849-010	1	50	200	080	6.53
849-012	1-1/4	25	100	080	8.33
849-015	1-1/2	10	120	080	9.14
849-020	2	10	120	080	12.09
849-025F ⁴	2-1/2	1	4	083	28.31
849-030F ⁴	3	1	4	083	34.14
849-040F ⁴	4	1	4	083	74.68
849-060F ⁴	6	1	6	083	207.65
849-080F ⁴	8	1	6	083	270.37
849-100F ⁴	10	1	2	083	439.65
849-120F ⁴	12	1	0	083	814.44

⁴ Plug fabricated using Cap and pipe spigot.

Plug Mipt

850-002	1/4	50	900	080	6.00
850-003	3/8	50	600	080	6.00
850-005	1/2	50	500	080	5.35
850-007	3/4	50	300	080	5.56
850-010	1	15	180	080	6.81
850-012	1-1/4	10	120	080	10.04
850-015	1-1/2	10	120	080	12.21
850-020	2	10	120	080	12.54
850-025	2-1/2	5	60	080	35.00
850-030	3	5	40	080	40.84
850-040	4	6	0	080	79.51
850-060	6	6	0	080	94.52
850-080F ⁴	8	1	2	083	233.30
850-100F ⁴	10	1	3	083	341.93
850-120F ⁴	12	1	0	083	468.33

⁴ Plug fabricated using Cap and threaded pipe.



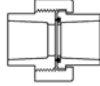
Schedule 80 PVC Industrial Products & Accessories

Unions

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union 2000

Soc with Viton® O-ring Seal



235 psi Maximum Internal Pressure rating @ 73°F (23°C)

857-002	1/4	25	150	080	21.76
857-003	3/8	25	150	080	21.76
8057-005	1/2	20	120	080	11.65
8057-007	3/4	20	80	080	14.80
8057-010	1	15	90	080	16.88
8057-012	1-1/4	10	0	080	33.54
8057-015	1-1/2	10	0	080	37.99
8057-020	2	5	0	080	51.50
8057-025	2-1/2	5	0	080	82.48
8057-030	3	5	0	080	95.89
8057-040	4	4	0	080	133.56
8057-060	6	1	0	080	296.84

Union 2000

Soc with EPDM O-ring Seal

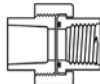


235 psi Maximum Internal Pressure rating @ 73°F (23°C)

897-002	1/4	25	150	080	21.49
897-003	3/8	25	100	080	21.49
8097-005	1/2	20	120	080	11.48
8097-007	3/4	20	80	080	14.61
8097-010	1	15	90	080	16.72
8097-012	1-1/4	10	0	080	33.15
8097-015	1-1/2	10	0	080	37.51
8097-020	2	5	0	080	50.89
8097-025	2-1/2	5	0	080	80.90
8097-030	3	5	0	080	94.70
8097-040	4	4	0	080	130.99
8097-060	6	1	0	080	291.09

Union 2000

Soc x Fipt with Viton® O-ring Seal

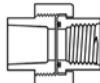


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-002	1/4	25	150	080	23.44
859-003	3/8	25	100	080	23.44
8059-005	1/2	20	120	080	14.18
8059-007	3/4	20	80	080	19.84
8059-010	1	15	90	080	26.38
8059-012	1-1/4	10	0	080	50.40
8059-015	1-1/2	10	0	080	62.38
8059-020	2	5	0	080	96.04
8059-025	2-1/2	5	0	080	170.65
8059-030	3	5	0	080	226.65
8059-040	4	4	0	080	260.48
8059-060	6	1	0	080	578.87

Union 2000

Soc x Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-002	1/4	25	150	080	23.16
899-003	3/8	25	100	080	23.16
8099-005	1/2	20	120	080	14.00
8099-007	3/4	20	80	080	19.59
8099-010	1	15	90	080	26.05
8099-012	1-1/4	10	0	080	49.80
8099-015	1-1/2	10	0	080	61.64
8099-020	2	5	0	080	94.84
8099-025	2-1/2	5	0	080	134.09
8099-030	3	5	0	080	223.81
8099-040	4	4	0	080	256.98

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

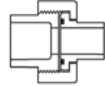
Union 2000 (continued)

Soc x Fipt with EPDM O-ring Seal

8099-060	6	1	0	080	571.06
----------	---	---	---	-----	--------

Union 2000

Soc x Spig with Viton® O-ring Seal

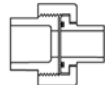


235 psi Maximum Internal Pressure rating @ 73°F (23°C)

8056-005	1/2	20	120	080	11.65
8056-007	3/4	20	160	080	14.80
8056-010	1	15	90	080	16.88
8056-012	1-1/4	10	0	080	33.54
8056-015	1-1/2	10	0	080	37.99
8056-020	2	5	0	080	51.50
8056-025	2-1/2	5	0	080	82.48
8056-030	3	5	0	080	95.89
8056-040	4	4	0	080	133.56
8056-060	6	1	0	080	296.84

Union 2000

Soc x Spig with EPDM O-ring Seal

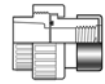


235 psi Maximum Internal Pressure rating @ 73°F (23°C)

8096-005	1/2	20	160	080	11.48
8096-007	3/4	20	80	080	14.61
8096-010	1	15	90	080	16.72
8096-012	1-1/4	10	0	080	33.15
8096-015	1-1/2	10	0	080	37.51
8096-020	2	5	0	080	50.89
8096-025	2-1/2	5	0	080	80.90
8096-030	3	5	0	080	94.70
8096-040	4	4	0	080	130.99
8096-060	6	1	0	080	291.09

Special Reinforced Union 2000

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar

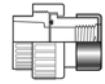


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8059-005SR	1/2	20	160	086	7.90
8059-007SR	3/4	20	80	086	10.88
8059-010SR	1	15	90	086	14.14
8059-012SR	1-1/4	10	0	086	27.02
8059-015SR	1-1/2	10	0	086	33.34
8059-020SR	2	5	0	086	50.91
8059-025SR	2-1/2	5	0	086	109.43
8059-030SR	3	5	0	086	124.40
8059-040SR	4	4	0	086	142.83
8059-060SR	6	1	0	086	317.40

Special Reinforced Union 2000

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8099-005SR	1/2	20	160	086	7.60
8099-007SR	3/4	20	80	086	10.83
8099-010SR	1	15	90	086	13.97
8099-012SR	1-1/4	10	0	086	24.30
8099-015SR	1-1/2	10	0	086	31.49
8099-020SR	2	5	0	086	50.68
8099-025SR	2-1/2	5	0	086	108.41
8099-030SR	3	5	0	086	120.69
8099-040SR	4	4	0	086	137.74
8099-060SR	6	1	0	086	306.10

Schedule 80 PVC Industrial Products & Accessories Unions



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union 2000

Fipt with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

858-002	1/4	25	150	080	23.44
858-003	3/8	25	150	080	23.44
8058-005	1/2	20	120	080	13.50
8058-007	3/4	20	80	080	18.91
8058-010	1	15	90	080	25.16
8058-012	1-1/4	10	0	080	48.00
8058-015	1-1/2	10	0	080	59.44
8058-020	2	5	0	080	91.45
8058-025	2-1/2	5	0	080	154.68
8058-030	3	5	0	080	231.97
8058-040	4	4	0	080	272.63
8058-060	6	1	0	080	605.82

Union 2000

Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

898-002	1/4	25	150	080	23.16
898-003	3/8	25	150	080	23.16
8098-005	1/2	20	240	080	13.34
8098-007	3/4	20	80	080	18.66
8098-010	1	15	90	080	24.85
8098-012	1-1/4	10	0	080	47.40
8098-015	1-1/2	10	0	080	58.69
8098-020	2	5	0	080	90.31
8098-025	2-1/2	5	0	080	120.94
8098-030	3	5	0	080	229.10
8098-040	4	4	0	080	267.95
8098-060	6	1	0	080	595.26

Special Reinforced Union 2000

SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8058-005SR	1/2	20	120	086	8.13
8058-007SR	3/4	20	80	086	11.01
8058-010SR	1	15	90	086	14.73
8058-012SR	1-1/4	10	0	086	28.06
8058-015SR	1-1/2	10	0	086	34.53
8058-020SR	2	5	0	086	53.62
8058-025SR	2-1/2	5	0	086	112.12
8058-030SR	3	5	0	086	127.54
8058-040SR	4	4	0	086	150.14
8058-060SR	6	1	0	086	333.63

Special Reinforced Union 2000

SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



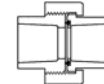
235 psi Maximum Internal Pressure rating @ 73°F (23°C)

8098-005SR	1/2	20	120	086	8.01
8098-007SR	3/4	20	80	086	10.91
8098-010SR	1	15	90	086	14.44
8098-012SR	1-1/4	10	0	086	26.85
8098-015SR	1-1/2	10	0	086	33.77
8098-020SR	2	5	0	086	53.07
8098-025SR	2-1/2	5	0	086	107.11
8098-030SR	3	5	0	086	126.32
8098-040SR	4	4	0	086	145.02
8098-060SR	6	1	0	086	322.30

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union (Old Style)

Soc with Viton® O-ring Seal

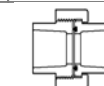


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

857-005	1/2	10	60	080	11.65
857-007	3/4	10	60	080	14.80
857-010	1	10	40	080	16.88
857-012	1-1/4	5	20	080	33.54
857-015	1-1/2	5	0	080	37.99
857-020	2	5	0	080	51.50
857-025	2-1/2	5	0	080	82.48
857-030	3	5	0	080	95.89
857-040	4	4	0	080	133.56

Union (Old Style)

Soc with EPDM O-ring Seal

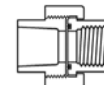


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

897-005	1/2	10	60	080	11.48
897-007	3/4	10	60	080	14.61
897-010	1	10	40	080	16.72
897-012	1-1/4	5	20	080	33.15
897-015	1-1/2	5	0	080	37.51
897-020	2	5	0	080	50.89
897-025	2-1/2	5	0	080	80.90
897-030	3	5	0	080	94.70
897-040	4	4	0	080	130.99

Union (Old Style)

Soc x Fipt with Viton® O-ring Seal

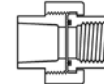


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-005	1/2	10	60	080	14.18
859-007	3/4	10	60	080	19.84
859-010	1	10	40	080	26.38
859-012	1-1/4	5	20	080	50.40
859-015	1-1/2	5	0	080	62.38
859-020	2	5	0	080	96.04
859-025	2-1/2	5	0	080	170.65
859-030	3	5	0	080	226.65
859-040	4	4	0	080	260.48

Union (Old Style)

Soc x Fipt with EPDM O-ring Seal

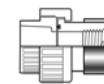


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-005	1/2	10	60	080	14.00
899-007	3/4	10	60	080	19.59
899-010	1	10	40	080	26.05
899-012	1-1/4	5	20	080	49.80
899-015	1-1/2	5	0	080	61.64
899-020	2	5	0	080	94.84
899-025	2-1/2	5	0	080	134.09
899-030	3	5	0	080	223.81
899-040	4	4	0	080	256.98

Special Reinforced Union (Old Style)

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-005SR	1/2	10	60	086	7.90
859-007SR	3/4	10	40	086	10.88
859-010SR	1	10	40	086	14.14
859-012SR	1-1/4	5	20	086	27.02
859-015SR	1-1/2	5	0	086	33.34



Schedule 80 PVC Industrial Products & Accessories Unions

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Special Reinforced Union (Old Style) (continued)

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar

859-020SR	2	5	0	086	50.91
859-030SR	3	5	0	086	124.40
859-040SR	4	4	0	086	142.83

Special Reinforced Union (Old Style)

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-002SR	1/4	25	150	086	14.35
899-003SR	3/8	25	100	086	14.35
899-005SR	1/2	10	60	086	7.60
899-007SR	3/4	10	40	086	10.83
899-010SR	1	10	40	086	13.97
899-012SR	1-1/4	5	20	086	24.30
899-015SR	1-1/2	5	0	086	31.49
899-020SR	2	5	0	086	50.68
899-030SR	3	5	0	086	120.69
899-040SR	4	4	0	086	137.74

Union

Soc x Fipt with Brass Thread Insert & Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-007BR	3/4	10	40	086	50.53
859-010BR	1	10	0	086	62.36
859-012BR	1-1/4	5	20	086	107.63
859-015BR	1-1/2	5	0	086	142.44
859-020BR	2	5	0	086	189.30

Not intended to convey or dispense water for human consumption through drinking or cooking

Union

Soc x Fipt with Brass Thread Insert & EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-007BR	3/4	10	40	086	45.56
899-010BR	1	10	0	086	61.45
899-012BR	1-1/4	5	20	086	103.33
899-015BR	1-1/2	5	0	086	136.76
899-020BR	2	5	0	086	182.30

Not intended to convey or dispense water for human consumption through drinking or cooking

Union (Old Style)

Fipt with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

858-005	1/2	10	60	080	13.50
858-007	3/4	10	60	080	18.91
858-010	1	10	40	080	25.16
858-012	1-1/4	5	20	080	48.00
858-015	1-1/2	5	0	080	59.44
858-020	2	5	0	080	91.45
858-025	2-1/2	5	0	080	154.68
858-030	3	5	0	080	231.97
858-040	4	4	0	080	272.63

Union (Old Style)

Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

898-005	1/2	10	60	080	13.34
898-007	3/4	10	60	080	18.66
898-010	1	10	40	080	24.85
898-012	1-1/4	5	20	080	47.40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

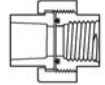
Union (Old Style) (continued)

Fipt with EPDM O-ring Seal

898-015	1-1/2	5	0	080	58.69
898-020	2	5	0	080	90.31
898-025	2-1/2	5	0	080	120.94
898-030	3	5	0	080	229.10
898-040	4	4	0	080	267.95

PVC Transition Union

JIS (mm) Soc x ASTM (in.) Fipt with EPDM O-ring Seal

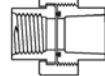


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8298-016	16 DN X 1/2	20	160	197	12.60
8298-020	20 DN X 3/4	20	80	197	17.63
8298-025	25 DN X 1	15	90	197	23.46
8298-030	30 DN X 1-1/4	10	0	197	44.59
8298-040	40 DN X 1-1/2	10	0	197	55.46
8298-050	50 DN X 2	5	0	197	85.35
8298-075	75 DN X 3	5	0	197	201.43
8298-100	100 DN X 4	4	0	197	231.28

PVC Transition Union

BSP Thread (in.) x ASTM (in.) Soc with Viton® O-ring Seal

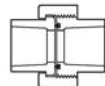


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8359-005	1/2	20	160	197	12.78
8359-007	3/4	20	80	197	17.86
8359-010	1	15	90	197	23.76
8359-012	1-1/4	10	0	197	45.37
8359-015	1-1/2	10	0	197	56.16
8359-020	2	5	0	197	86.41
8359-030	3	5	0	197	203.98
8359-040	4	4	0	197	234.43

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Soc with Viton® O-ring Seal

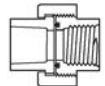


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8657-020	20 d X 1/2	10	60	197	10.46
8657-025	25 d X 3/4	10	40	197	13.32
8657-032	32 d X 1	10	40	197	15.20
8657-040	40 d X 1-1/4	10	0	197	30.19
8657-050	50 d X 1-1/2	10	0	197	34.19
8657-063	63 d X 2	5	0	197	46.37
8657-090	90 d X 3	5	0	197	86.31
8657-110	110 d X 4	4	0	197	120.21

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Fipt with Viton® O-ring Seal

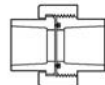


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8658-020	20 d X 1/2	10	60	197	12.78
8658-025	25 d X 3/4	20	80	197	17.86
8658-032	32 d X 1	15	90	197	23.76
8658-040	40 d X 1-1/4	10	0	197	45.37
8658-050	50 d X 1-1/2	10	0	197	56.16
8658-063	63 d X 2	5	0	197	86.41
8658-090	90 d X 3	5	0	197	203.98
8658-110	110 d X 4	4	0	197	234.43

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Soc with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8697-020	20 d X 1/2	20	240	197	10.33
8697-025	25 d X 3/4	10	60	197	13.16

Schedule 80 PVC Industrial Products & Accessories Unions



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Transition Union (continued)

DIN (mm) Soc x ASTM (in.) Soc with EPDM O-ring Seal

8697-032	32d X 1	15	90	197	15.05
8697-040	40 d X 1-1/4	10	0	197	29.83
8697-050	50 d X 1-1/2	10	0	197	33.77
8697-063	63 d X 2	5	0	197	45.80
8697-090	90 d X 3	5	0	197	85.23
8697-110	110 d X 4	4	0	197	117.88

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Fipt with EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8698-020	20 d X 1/2	20	160	197	12.60
8698-025	25 d X 3/4	20	80	197	17.63
8698-032	32 d X 1	15	90	197	23.46
8698-040	40 d X 1-1/4	10	0	197	44.59
8698-050	50 d X 1-1/2	10	0	197	55.46
8698-063	63 d X 2	5	0	197	85.35
8698-090	90 d X 3	5	0	197	201.43
8698-110	110 d X 4	4	0	197	231.28



PVC Transition Union

JIS (mm) Soc x ASTM (in.) Soc with Viton® O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8257-016	16 DN X 1/2	20	160	197	10.46
8257-020	20 DN X 3/4	10	40	197	13.32
8257-025	25 DN X 1	15	90	197	15.20
8257-030	30 DN X 1-1/4	10	0	197	30.19
8257-040	40 DN X 1-1/2	10	0	197	34.19
8257-050	50 DN X 2	5	0	197	46.37
8257-075	75 DN X 3	5	0	197	86.31
8257-100	100 DN X 4	4	0	197	120.21



PVC Transition Union

JIS (mm) Soc x ASTM (in.) Fipt with Viton® O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8258-016	16 DN X 1/2	20	160	197	12.78
8258-020	20 DN X 3/4	20	80	197	17.86
8258-025	25 DN X 1	15	90	197	23.76
8258-030	30 DN X 1-1/4	10	0	197	45.37
8258-040	40 DN X 1-1/2	10	0	197	56.16
8258-075	75 DN X 3	5	0	197	203.98
8258-100	100 DN X 4	4	0	197	234.43



PVC Transition Union

JIS (mm) Soc x ASTM (in.) Soc with EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8297-016	16 DN X 1/2	20	160	197	10.33
8297-020	20 DN X 3/4	20	80	197	13.16
8297-025	25 DN X 1	15	90	197	15.05
8297-030	30 DN X 1-1/4	10	0	197	29.83
8297-040	40 DN X 1-1/2	10	0	197	33.77
8297-050	50 DN X 2	5	0	197	45.80
8297-075	75 DN X 3	5	0	197	85.23
8297-100	100 DN X 4	4	0	197	117.88



PVC Transition Union

BSP Thread (in.) x ASTM (in.) Fipt with Viton® O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8358-005	1/2	20	160	197	12.18
8358-007	3/4	20	80	197	17.01



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Transition Union (continued)

BSP Thread (in.) x ASTM (in.) Fipt with Viton® O-ring Seal

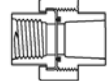
8358-010	1	15	90	197	22.65
8358-012	1-1/4	10	0	197	43.21
8358-015	1-1/2	10	0	197	53.49
8358-020	2	5	0	197	82.31
8358-030	3	5	0	197	208.77
8358-040	4	4	0	197	245.35

PVC Transition Union

BSP Thread (in.) x ASTM (in.) Soc with EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8399-005	1/2	10	60	197	12.60
8399-007	3/4	20	80	197	17.63
8399-010	1	15	90	197	23.46
8399-012	1-1/4	10	0	197	44.81
8399-015	1-1/2	10	0	197	55.46
8399-020	2	5	0	197	85.35
8399-030	3	5	0	197	201.43
8399-040	4	4	0	197	231.28

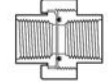


PVC Transition Union

BSP Thread (in.) x ASTM (in.) Fipt with EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8398-005	1/2	10	60	197	12.00
8398-007	3/4	10	40	197	16.80
8398-010	1	10	40	197	22.36
8398-012	1-1/4	5	20	197	42.67
8398-015	1-1/2	5	0	197	52.82
8398-020	2	5	0	197	84.86
8398-030	3	5	0	197	206.19
8398-040	4	4	0	197	241.15



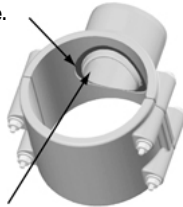


Schedule 80 PVC Industrial Products & Accessories Clamp-On & Hot-Tap Saddles

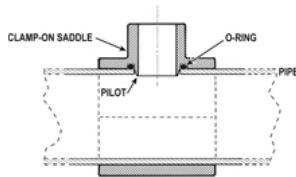
Spears® Two-Piece Clamp-On Saddle Design Clamps onto Pipe for Quick and Easy Installation



O-ring seal provides positive, trouble-free sealing to pipe.

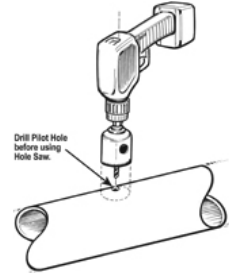


Special pilot engages with hole in pipe to prevent saddle dislocation.



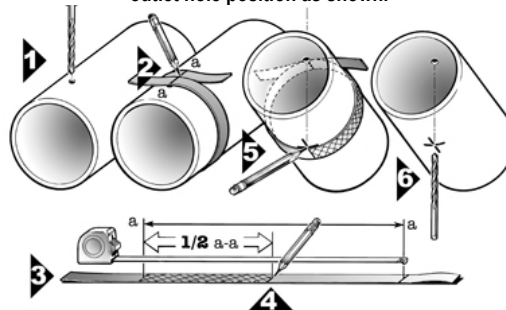
Clamp-On Saddle Installation Instructions

1. Using a standard industrial grade hole-saw, cut specified hole in desired position on pipe according to recommended hole saw size engraved on the saddle. Note: Care must be taken to deburr hole and remove all residue from hole area to assure tight fit and avoid leakage.
2. Fully seat O-ring in groove on underside of saddle outlet component. Position over hole and fully seat saddle onto pipe. Note: Certain saddle outlets are piloted. Be sure pilot lip fully engages with hole in pipe.
3. Place strap component opposite outlet and secure with bolts (4), nuts (4) and washers (8). Important: Washers MUST be placed under each bolt head (1) and under each nut (1) to avoid damage to saddle.
4. Tighten bolts to specified torque.



Saddle Size	2	3	4	6 & up
Recommended Bolt-Torque - ft/lb	8	8	8	10

For Double Outlet Saddle Installation — Determine second outlet hole position as shown.



Spears® Hot-Tap Saddles Designed for Adding Branch Connections to Piping Systems Under Live ("Hot") Pressure

Hot-Tap Saddle branch outlets are either 3/4" socket (with 1" Spigot O.D.) or 1-1/2" socket (with 2" Spigot O.D.) in saddle sizes 2" through 6" to fit IPS pipe using a built-in O-ring seal. Internal cutter is operated using conventional ratchet and drive extension and permanently retains coupon cut from pipe. Maximum operating pressure at 73°F (23°C) is 235 psi for saddle sizes 2" - 4", 200 psi for 6" saddles and 150 psi for 8" saddles. See packaged Installation Instructions for details.

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Single Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866V-247	2X1/2	3/4	1	10	086	32.30
866V-248	2X3/4	7/8	1	10	086	32.30
866V-249	2X1	1-1/8	1	10	086	32.30
866V-250	2X1-1/4	1-1/2	1	10	086	32.30
866V-251	2X1-1/2	1-1/2	1	10	086	32.30
866V-291	2-1/2X1-1/2	1-3/4	1	10	086	44.73
866V-333 ¹	3X1/2	7/8	1	10	086	44.73
866V-334	3X3/4	7/8	1	10	086	44.73
866V-335	3X1	1-1/8	1	10	086	44.73
866V-336 ¹	3X1-1/4	2-1/4	1	10	086	44.73
866V-337 ¹	3X1-1/2	2-1/4	1	10	086	44.73
866V-338	3X2	2-1/4	1	10	086	44.73



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Single Outlet (continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

866V-415 ¹	4X1/2	1-1/8	1	10	086	53.62
866V-416 ¹	4X3/4	1-1/8	1	10	086	53.62
866V-417	4X1	1-1/8	1	8	086	53.62
866V-418 ¹	4X1-1/4	1-3/4	1	8	086	53.62
866V-419	4X1-1/2	1-3/4	1	8	086	53.62
866V-420	4X2	2-1/4	1	8	086	53.62
866V-421 ¹	4X2-1/2	3	1	4	086	58.48
866V-422	4X3	3	1	4	086	63.64
866V-523 ¹	6X1/2	1-1/8	1	4	086	89.33
866V-524 ¹	6X3/4	1-1/8	1	4	086	89.33
866V-525	6X1	1-1/8	1	4	086	89.33
866V-526 ¹	6X1-1/4	2-1/4	1	4	086	89.33
866V-527 ¹	6X1-1/2	2-1/4	1	4	086	89.33
866V-528	6X2	2-1/4	1	4	086	89.33

Schedule 80 PVC Industrial Products & Accessories
Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Single Outlet

(continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

866V-529 ¹	6X2-1/2	3	1	4	086	112.39
866V-530	6X3	3	1	4	086	117.02
866V-532	6X4	4	1	4	086	123.24
866V-573 ¹	8X1/2	4	1	0	086	191.45
866V-574 ¹	8X3/4	4	1	0	086	191.45
866V-575 ¹	8X1	4	1	0	086	191.45
866V-576 ¹	8X1-1/4	4	1	0	086	191.45
866V-577 ¹	8X1-1/2	4	1	0	086	191.45
866V-578 ¹	8 X 2	4	1	0	086	191.45
866V-579 ¹	8X2-1/2	4	1	0	086	200.85
866V-580 ¹	8X3	4	1	0	086	210.97
866V-582	8X4	4	1	0	086	223.63
866V-585	8X6	6	1	0	086	248.22
866V-624	10X4	4	1	0	086	295.29
866V-626	10X6	6	1	0	086	339.56
866V-664	12X4	4	1	0	086	370.31
866V-666	12X6	6	1	0	086	429.46

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x Soc Single Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866SV-247	2X1/2	3/4	1	10	086	55.04
866SV-248	2X3/4	7/8	1	10	086	55.04
866SV-249	2X1	1-1/8	1	10	086	55.04
866SV-250	2X1-1/4	1-1/2	1	10	086	55.04
866SV-251	2X1-1/2	1-1/2	1	10	086	55.04
866SV-291	2-1/2X1-1/2	1-3/4	1	10	086	73.78
866SV-333 ¹	3X1/2	7/8	1	10	086	73.78
866SV-334	3X3/4	7/8	1	10	086	73.78
866SV-335	3X1	1-1/8	1	10	086	73.78
866SV-336 ¹	3X1-1/4	2-1/4	1	10	086	73.78
866SV-337 ¹	3X1-1/2	2-1/4	1	10	086	73.78
866SV-338	3X2	2-1/4	1	10	086	73.78
866SV-415 ¹	4X1/2	1-1/8	1	10	086	94.93
866SV-416 ¹	4X3/4	1-1/8	1	10	086	94.93
866SV-417	4X1	1-1/8	1	8	086	94.93
866SV-418 ¹	4X1-1/4	1-3/4	1	8	086	94.93
866SV-419	4X1-1/2	1-3/4	1	8	086	94.93
866SV-420	4X2	2-1/4	1	8	086	94.93
866SV-421 ¹	4X2-1/2	3	1	4	086	98.70
866SV-422	4X3	3	1	4	086	103.79
866SV-523 ¹	6X1/2	1-1/8	1	4	086	140.68
866SV-524 ¹	6X3/4	1-1/8	1	4	086	140.68
866SV-525	6X1	1-1/8	1	4	086	140.68
866SV-526 ¹	6X1-1/4	2-1/4	1	4	086	140.68
866SV-527 ¹	6X1-1/2	2-1/4	1	4	086	140.68
866SV-528	6X2	2-1/4	1	4	086	140.68
866SV-529 ¹	6X2-1/2	3	1	4	086	146.14
866SV-530	6X3	3	1	4	086	151.06
866SV-532	6X4	4	1	4	086	156.21
866SV-573 ¹	8X1/2	4	1	0	086	256.89
866SV-574 ¹	8X3/4	4	1	0	086	256.89
866SV-575 ¹	8 X 1	4	1	0	086	256.89
866SV-576 ¹	8X1-1/4	4	1	0	086	256.89
866SV-577 ¹	8X1-1/2	4	1	0	086	256.89
866SV-578 ¹	8 X 2	4	1	0	086	256.89
866SV-579 ¹	8X2-1/2	4	1	0	086	282.55
866SV-580 ¹	8X3	4	1	0	086	296.67
866SV-582	8X4	4	1	0	086	314.49
866SV-585	8X6	6	1	0	086	349.05
866SV-624	10X4	4	1	0	086	415.48
866SV-626	10X6	6	1	0	086	477.67

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Single Outlet

(continued)

with Viton® O-ring Seal & SS Hardware

866SV-664	12X4	4	1	0	086	520.63
866SV-666	12X6	6	1	0	086	603.98

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x Soc Single Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866-247	2X1/2	3/4	1	10	086	30.78
866-248	2X3/4	7/8	1	10	086	30.78
866-249	2X1	1-1/8	1	10	086	30.78
866-250	2X1-1/4	1-1/2	1	10	086	30.78
866-251	2X1-1/2	1-1/2	1	10	086	30.78
866-291	2-1/2X1-1/2	1-3/4	1	10	086	41.10
866-333 ¹	3X1/2	7/8	1	10	086	41.10
866-334	3X3/4	7/8	1	10	086	41.10
866-335	3X1	1-1/8	1	10	086	41.10
866-336 ¹	3X1-1/4	2-1/4	1	10	086	41.10
866-337 ¹	3X1-1/2	2-1/4	1	10	086	41.10
866-338	3X2	2-1/4	1	10	086	41.10
866-415 ¹	4X1/2	1-1/8	1	10	086	49.95
866-416 ¹	4X3/4	1-1/8	1	10	086	49.95
866-417	4X1	1-1/8	1	8	086	49.95
866-418 ¹	4X1-1/4	1-3/4	1	8	086	49.95
866-419	4X1-1/2	1-3/4	1	8	086	49.95
866-420	4X2	2-1/4	1	8	086	49.95
866-421 ¹	4X2-1/2	3	1	4	086	54.57
866-422	4X3	3	1	4	086	59.72
866-523 ¹	6X1/2	1-1/8	1	4	086	83.26
866-524 ¹	6X3/4	1-1/8	1	4	086	83.26
866-525	6X1	1-1/8	1	4	086	83.26
866-526 ¹	6X1-1/4	2-1/4	1	4	086	83.26
866-527 ¹	6X1-1/2	2-1/4	1	4	086	83.26
866-528	6X2	2-1/4	1	4	086	83.26
866-529 ¹	6X2-1/2	3	1	4	086	90.88
866-530	6X3	3	1	4	086	99.93
866-532	6X4	4	1	4	086	104.15
866-573 ¹	8X1/2	4	1	0	086	160.15
866-574 ¹	8X3/4	4	1	0	086	160.15
866-575 ¹	8X1	4	1	0	086	160.15
866-576 ¹	8X1-1/4	4	1	0	086	160.15
866-577 ¹	8X1-1/2	4	1	0	086	160.15
866-578 ¹	8 X 2	4	1	0	086	160.15
866-579 ¹	8X2-1/2	4	1	0	086	176.17
866-580 ¹	8X3	4	1	0	086	184.99
866-582	8X4	4	1	0	086	195.93
866-585	8X6	6	1	0	086	217.67
866-621 ¹	10X2	4	1	0	086	259.51
866-624	10X4	4	1	0	086	259.51
866-626	10X6	6	1	0	086	296.94
866-664	12X4	4	1	0	086	324.54
866-666	12X6	6	1	0	086	375.36

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x Soc Single Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866S-247	2X1/2	3/4	1	10	086	49.31
866S-248	2X3/4	7/8	1	10	086	49.31
866S-249	2X1	1-1/8	1	10	086	49.31
866S-250	2X1-1/4	1-1/2	1	10	086	49.31
866S-251	2X1-1/2	1-1/2	1	10	086	49.31
866S-291	2-1/2X1-1/2	1-3/4	1	10	086	66.29





Schedule 80 PVC Industrial Products & Accessories

Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Single Outlet (continued)

with EPDM O-ring Seal & SS Hardware

866S-333 ¹	3X1/2	7/8	1	10	086	66.29
866S-334	3X3/4	7/8	1	10	086	66.29
866S-335	3X1	1-1/8	1	10	086	66.29
866S-336 ¹	3X1-1/4	2-1/4	1	10	086	66.29
866S-337 ¹	3X1-1/2	2-1/4	1	10	086	66.29
866S-338	3X2	2-1/4	1	10	086	66.29
866S-415 ¹	4X1/2	1-1/8	1	10	086	85.34
866S-416 ¹	4X3/4	1-1/8	1	10	086	85.34
866S-417	4X1	1-1/8	1	8	086	85.34
866S-418 ¹	4X1-1/4	1-3/4	1	8	086	85.34
866S-419	4X1-1/2	1-3/4	1	8	086	85.34
866S-420	4X2	2-1/4	1	8	086	85.34
866S-421 ¹	4X2-1/2	3	1	4	086	88.35
866S-422	4X3		1	4	086	93.57
866S-523 ¹	6X1/2	1-1/8	1	4	086	128.43
866S-524 ¹	6X3/4	1-1/8	1	4	086	128.43
866S-525	6X1	1-1/8	1	4	086	128.43
866S-526 ¹	6X1-1/4	2-1/4	1	4	086	128.43
866S-527 ¹	6X1-1/2	2-1/4	1	4	086	128.43
866S-528	6X2	2-1/4	1	4	086	128.43
866S-529 ¹	6X2-1/2	3	1	4	086	134.53
866S-530	6X3	3	1	4	086	139.12
866S-532	6X4	4	1	4	086	144.32
866S-573 ¹	8X1/2	4	1	0	086	241.36
866S-574 ¹	8X3/4	4	1	0	086	241.36
866S-575	8X1	4	1	0	086	241.36
866S-576 ¹	8X1-1/4	4	1	0	086	241.36
866S-577 ¹	8X1-1/2	4	1	0	086	241.36
866S-578 ¹	8 X 2	4	1	0	086	241.36
866S-579 ¹	8X2-1/2	4	1	0	086	265.55
866S-580 ¹	8X3	4	1	0	086	278.87
866S-582	8X4	4	1	0	086	294.30
866S-585	8X6	6	1	0	086	328.13
866S-624	10X4	4	1	0	086	390.57
866S-626	10X6	6	1	0	086	449.06
866S-664	12X4	4	1	0	086	489.59
866S-666	12X6	6	1	0	086	567.87

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x SR Thread Single Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867V-247SR	2X1/2	3/4	1	10	086	36.12
867V-248SR	2X3/4	7/8	1	10	086	36.12
867V-249SR	2X1	1-1/8	1	10	086	36.12
867V-250SR	2X1-1/4	1-1/2	1	10	086	36.12
867V-251SR	2X1-1/2	1-1/2	1	10	086	36.12
867V-291SR	2-1/2X1-1/2	1-3/4	1	10	086	50.33
867V-333SR ¹	3X1/2	7/8	1	10	086	50.33
867V-334SR	3X3/4	7/8	1	10	086	50.33
867V-335SR	3X1	1-1/8	1	10	086	50.33
867V-336SR ¹	3X1-1/4	2-1/4	1	10	086	50.33
867V-337SR ¹	3X1-1/2	2-1/4	1	10	086	50.33
867V-338SR	3X2	2-1/4	1	10	086	50.33
867V-415SR ¹	4X1/2	1-1/8	1	10	086	62.90
867V-416SR ¹	4X3/4	1-1/8	1	10	086	62.90
867V-417SR	4X1	1-1/8	1	8	086	62.90
867V-418SR ¹	4X1-1/4	1-3/4	1	8	086	62.90
867V-419SR	4X1-1/2	1-3/4	1	8	086	62.90
867V-420SR	4X2	2-1/4	1	8	086	62.90
867V-421SR ¹	4X2-1/2	3	1	4	086	67.74
867V-422SR	4X3	3	1	4	086	71.71
867V-523SR ¹	6X1/2	1-1/8	1	4	086	104.83

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x SR Thread Single Outlet (continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

867V-524SR ¹	6X3/4	1-1/8	1	4	086	104.83
867V-525SR	6X1	1-1/8	1	4	086	104.83
867V-526SR ¹	6X1-1/4	2-1/4	1	4	086	104.83
867V-527SR ¹	6X1-1/2	2-1/4	1	4	086	104.83
867V-528SR	6X2	2-1/4	1	4	086	104.83
867V-529SR ¹	6X2-1/2	3	1	4	086	134.41
867V-530SR	6X3	3	1	4	086	139.68
867V-532SR	6X4	4	1	4	086	145.72
867V-573SR ¹	8X1/2	4	1	0	086	211.30
867V-574SR ¹	8X3/4	4	1	0	086	211.30
867V-575SR ¹	8X1	4	1	0	086	211.30
867V-576SR ¹	8X1-1/4	4	1	0	086	211.30
867V-577SR ¹	8X1-1/2	4	1	0	086	211.30
867V-578SR ¹	8X2	4	1	0	086	211.30
867V-579SR ¹	8X2-1/2	4	1	0	086	232.38
867V-580SR ¹	8X3	4	1	0	086	244.04
867V-582SR	8X4	4	1	0	086	258.69
867V-585SR	8X6		1	0	086	287.94
867V-624SR	10X4	4	1	0	086	307.86
867V-626SR	10X6	6	1	0	086	353.97
867V-664SR	12X4	4	1	0	086	385.91
867V-666SR	12X6	6	1	0	086	447.59

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x SR Thread Single Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867SV-245SR ¹	2X1/4	1-1/8	1	10	086	66.87
867SV-247SR	2X1/2	3/4	1	10	086	61.41
867SV-248SR	2X3/4	7/8	1	10	086	61.41
867SV-249SR	2X1	1-1/8	1	10	086	61.41
867SV-250SR	2X1-1/4	1-1/2	1	10	086	61.41
867SV-251SR	2X1-1/2	1-1/2	1	10	086	61.41
867SV-291SR	2-1/2X1-1/2	1-3/4	1	10	086	82.10
867SV-331SR ¹	3X1/4	1-1/8	1	10	086	82.10
867SV-333SR ¹	3X1/2	7/8	1	10	086	82.10
867SV-334SR	3X3/4	7/8	1	10	086	82.10
867SV-335SR	3X1	1-1/8	1	10	086	82.10
867SV-336SR ¹	3X1-1/4	2-1/4	1	10	086	82.10
867SV-337SR ¹	3X1-1/2	2-1/4	1	10	086	82.10
867SV-338SR	3X2	2-1/4	1	10	086	82.10
867SV-413SR ¹	4X1/4	1-1/8	1	8	086	104.76
867SV-415SR ¹	4X1/2	1-1/8	1	10	086	103.66
867SV-416SR ¹	4X3/4	1-1/8	1	10	086	103.66
867SV-417SR	4X1	1-1/8	1	8	086	103.66
867SV-418SR ¹	4X1-1/4	1-3/4	1	8	086	103.66
867SV-419SR	4X1-1/2	1-3/4	1	8	086	103.66
867SV-420SR	4X2	2-1/4	1	8	086	103.66
867SV-421SR ¹	4X2-1/2	3	1	4	086	107.10
867SV-422SR	4X3	3	1	4	086	112.57
867SV-521SR ¹	6X1/4	1-1/8	1	8	086	155.57
867SV-523SR ¹	6X1/2	1-1/8	1	4	086	152.26
867SV-524SR ¹	6X3/4	1-1/8	1	4	086	152.26
867SV-525SR	6X1	1-1/8	1	4	086	152.26
867SV-526SR ¹	6X1-1/4	2-1/4	1	4	086	152.26
867SV-527SR ¹	6X1-1/2	2-1/4	1	4	086	152.26
867SV-528SR	6X2	2-1/4	1	4	086	152.26
867SV-529SR ¹	6X2-1/2	3	1	4	086	164.96
867SV-530SR	6X3	3	1	4	086	172.57
867SV-532SR	6X4	4	1	4	086	178.66
867SV-571SR ¹	8X1/4	4	1	0	086	283.03
867SV-573SR ¹	8X1/2	4	1	0	086	272.10
867SV-574SR ¹	8X3/4	4	1	0	086	272.10



Schedule 80 PVC Industrial Products & Accessories
Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x SR Thread Single Outlet
(continued)
with Viton® O-ring Seal & SS Hardware

867SV-575SR ¹	8X1	4	1	0	086	272.10
867SV-576SR ¹	8X1-1/4	4	1	0	086	272.10
867SV-577SR ¹	8X1-1/2	4	1	0	086	272.10
867SV-578SR ¹	8X2	4	1	0	086	272.10
867SV-579SR ¹	8X2-1/2	4	1	0	086	299.30
867SV-580SR ¹	8X3	4	1	0	086	314.26
867SV-582SR	8X4	4	1	0	086	333.12
867SV-585SR	8X6	6	1	0	086	365.06
867SV-624SR	10X4	4	1	0	086	396.27
867SV-626SR	10X6	6	1	0	086	455.95
867SV-664SR	12X4	4	1	0	086	496.95
867SV-666SR	12X6	6	1	0	086	576.38

¹Outlet-sized with Bushing

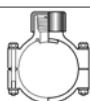
PVC Gray Clamp-On Saddle x SR Thread Single Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867-247SR	2X1/2	3/4	1	10	086	32.12
867-248SR	2X3/4	7/8	1	10	086	32.12
867-249SR	2X1	1-1/8	1	10	086	32.12
867-250SR	2X1-1/4	1-1/2	1	10	086	32.12
867-251SR	2X1-1/2	1-1/2	1	10	086	32.12
867-291SR	2-1/2X1-1/2	1-3/4	1	10	086	43.89
867-333SR ¹	3X1/2	7/8	1	10	086	43.89
867-334SR	3X3/4	7/8	1	10	086	43.89
867-335SR	3X1	1-1/8	1	10	086	43.89
867-336SR ¹	3X1-1/4	2-1/4	1	10	086	43.89
867-337SR ¹	3X1-1/2	2-1/4	1	10	086	43.89
867-338SR	3X2	2-1/4	1	10	086	43.89
867-415SR ¹	4X1/2	1-1/8	1	10	086	55.30
867-416SR ¹	4X3/4	1-1/8	1	10	086	55.30
867-417SR	4X1	1-1/8	1	8	086	55.30
867-418SR ¹	4X1-1/4	1-3/4	1	8	086	55.30
867-419SR ¹	4X1-1/2	1-3/4	1	8	086	55.30
867-420SR	4X2	2-1/4	1	8	086	55.30
867-421SR ¹	4X2-1/2	3	1	4	086	56.60
867-422SR	4X3	3	1	4	086	64.87
867-523SR ¹	6X1/2	1-1/8	1	4	086	92.14
867-524SR ¹	6X3/4	1-1/8	1	4	086	92.14
867-525SR	6X1	1-1/8	1	4	086	92.14
867-526SR ¹	6X1-1/4	2-1/4	1	4	086	92.14
867-527SR ¹	6X1-1/2	2-1/4	1	4	086	92.14
867-528SR	6X2	2-1/4	1	4	086	92.14
867-529SR ¹	6X2-1/2	3	1	4	086	114.46
867-530SR	6X3	3	1	4	086	123.22
867-532SR	6X4	4	1	4	086	129.03
867-573SR	8X1/2	4	1	0	086	195.03
867-574SR ¹	8X3/4	4	1	0	086	195.03
867-575SR	8X1	4	1	0	086	195.03
867-576SR ¹	8X1-1/4	4	1	0	086	195.03
867-577SR ¹	8X1-1/2	4	1	0	086	195.03
867-578SR ¹	8X2	4	1	0	086	195.03
867-579SR ¹	8X2-1/2	4	1	0	086	214.56
867-580SR ¹	8X3	4	1	0	086	225.19
867-582SR	8X4	4	1	0	086	238.76
867-585SR	8X6	6	1	0	086	274.98
867-624SR	10X4	4	1	0	086	284.02
867-626SR	10X6	4	1	0	086	326.66
867-664SR	12X4	4	1	0	086	355.91
867-666SR	12X6	6	1	0	086	413.11

¹Outlet-sized with Bushing



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x SR Thread Single Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867S-245SR ¹	2X1/4	1-1/8	1	10	086	61.41
867S-247SR	2X1/2	3/4	1	10	086	54.88
867S-248SR	2X3/4	7/8	1	10	086	54.88
867S-249SR	2X1	1-1/8	1	10	086	54.88
867S-250SR	2X1-1/4	1-1/2	1	10	086	54.88
867S-251SR	2X1-1/2	1-1/2	1	10	086	54.88
867S-291SR	2-1/2X1-1/2	1-3/4	1	10	086	73.79
867S-331SR ¹	3X1/4	1-1/8	1	10	086	81.62
867S-333SR ¹	3X1/2	7/8	1	10	086	73.79
867S-334SR	3X3/4	7/8	1	10	086	73.79
867S-335SR	3X1	1-1/8	1	10	086	73.79
867S-336SR ¹	3X1-1/4	2-1/4	1	10	086	73.79
867S-337SR ¹	3X1-1/2	2-1/4	1	10	086	73.79
867S-338SR	3X2	2-1/4	1	10	086	73.79
867S-413SR	4X1/4		1	8	086	96.04
867S-415SR ¹	4X1/2	1-1/8	1	10	086	92.90
867S-416SR ¹	4X3/4	1-1/8	1	10	086	92.90
867S-417SR	4X1	1-1/8	1	8	086	92.90
867S-418SR ¹	4X1-1/4	1-3/4	1	8	086	92.90
867S-419SR	4X1-1/2	1-3/4	1	8	086	92.90
867S-420SR	4X2	2-1/4	1	8	086	92.90
867S-421SR ¹	4X2-1/2	3	1	4	086	97.23
867S-422SR	4X3	3	1	4	086	104.80
867S-521SR ¹	6X1/4	1-1/8	1	8	086	147.36
867S-523SR ¹	6X1/2	1-1/8	1	4	086	134.30
867S-524SR ¹	6X3/4	1-1/8	1	4	086	134.30
867S-525SR	6X1	1-1/8	1	4	086	134.30
867S-526SR ¹	6X1-1/4	2-1/4	1	4	086	134.30
867S-527SR ¹	6X1-1/2	2-1/4	1	4	086	134.30
867S-528SR	6X2	2-1/4	1	4	086	134.30
867S-529SR ¹	6X2-1/2	3	1	4	086	153.31
867S-530SR	6X3	3	1	4	086	158.29
867S-532SR	6X4	4	1	4	086	164.87
867S-571SR ¹	8X1/4	4	1	0	086	290.97
867S-573SR ¹	8X1/2	4	1	0	086	249.03
867S-574SR ¹	8X3/4	4	1	0	086	249.03
867S-575SR ¹	8X1	4	1	0	086	249.03
867S-576SR ¹	8X1-1/4	4	1	0	086	249.03
867S-577SR ¹	8X1-1/2	4	1	0	086	249.03
867S-578SR ¹	8X2	4	1	0	086	249.03
867S-579SR ¹	8X2-1/2	4	1	0	086	277.81
867S-580SR ¹	8X3	4	1	0	086	293.59
867S-582SR	8X4	4	1	0	086	310.17
867S-585SR	8X6	6	1	0	086	325.61
867S-624SR	10X4	4	1	0	086	382.34
867S-626SR	10X6	6	1	0	086	402.00
867S-664SR	12X4	4	1	0	086	438.28
867S-666SR	12X6	6	1	0	086	508.38

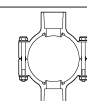
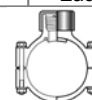
¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x Soc Double Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

868V-247	2X1/2	3/4	1	10	086	40.02
868V-248	2X3/4	7/8	1	10	086	40.02
868V-249	2X1	1-1/8	1	10	086	40.02
868V-250	2X1-1/4	1-1/2	1	10	086	40.02
868V-251	2X1-1/2	1-1/2	1	10	086	40.02
868V-291	2-1/2X1-1/2	1-3/4	1	10	086	51.27
868V-333 ¹	3X1/2	7/8	1	10	086	51.27
868V-334	3X3/4	7/8	1	10	086	51.27





Schedule 80 PVC Industrial Products & Accessories Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Double Outlet (continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

868V-335	3X1	1-1/8	1	10	086	51.27
868V-336 ¹	3X1-1/4	2-1/4	1	10	086	51.27
868V-337 ¹	3X1-1/2	2-1/4	1	10	086	51.27
868V-338	3X2	2-1/4	1	10	086	51.27
868V-415 ¹	4X1/2	1-1/8	1	10	086	68.45
868V-416 ¹	4X3/4	1-1/8	1	10	086	68.45
868V-417	4X1	1-1/8	1	8	086	68.45
868V-418 ¹	4X1-1/4	1-3/4	1	8	086	68.45
868V-419	4X1-1/2	1-3/4	1	8	086	68.45
868V-420	4X2	2-1/4	1	8	086	68.45
868V-421 ¹	4X2-1/2	3	1	4	086	74.40
868V-422	4X3	3	1	4	086	80.21
868V-523 ¹	6X1/2	1-1/8	1	4	086	112.38
868V-524 ¹	6X3/4	1-1/8	1	4	086	112.38
868V-525	6X1	1-1/8	1	4	086	112.38
868V-526 ¹	6X1-1/4	2-1/4	1	4	086	112.38
868V-527 ¹	6X1-1/2	2-1/4	1	4	086	112.38
868V-528	6X2	2-1/4	1	4	086	112.38
868V-529 ¹	6X2-1/2	3	1	4	086	116.68
868V-530	6X3	3	1	4	086	123.06
868V-532	6X4	4	1	4	086	131.53
868V-573 ¹	8X1/2	4	1	0	086	236.31
868V-574 ¹	8X3/4	4	1	0	086	236.31
868V-575 ¹	8X1	4	1	0	086	236.31
868V-576 ¹	8X1-1/4	4	1	0	086	236.31
868V-577 ¹	8X1-1/2	4	1	0	086	236.31
868V-578 ¹	8X2	4	1	0	086	236.31
868V-579 ¹	8X2-1/2	4	1	0	086	247.89
868V-580 ¹	8X3	4	1	0	086	260.48
868V-582	8X4	4	1	0	086	276.02
868V-585	8X6	6	1	0	086	306.39
868V-624	10X4	4	1	0	086	364.66
868V-626	10X6	6	1	0	086	384.83
868V-664	12X4	4	1	0	086	457.09
868V-666	12X6	6	1	0	086	530.12

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x Soc Double Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

868SV-247	2X1/2	3/4	1	10	086	64.37
868SV-248	2X3/4	7/8	1	10	086	64.37
868SV-249	2X1	1-1/8	1	10	086	64.37
868SV-250	2X1-1/4	1-1/2	1	10	086	64.37
868SV-251	2X1-1/2	1-1/2	1	10	086	64.37
868SV-291	2-1/2X1-1/2	1-3/4	1	10	086	85.54
868SV-333 ¹	3X1/2	7/8	1	10	086	85.54
868SV-334	3X3/4	7/8	1	10	086	85.54
868SV-335	3X1	1-1/8	1	10	086	85.54
868SV-336 ¹	3X1-1/4	2-1/4	1	10	086	85.54
868SV-337 ¹	3X1-1/2	2-1/4	1	10	086	85.54
868SV-338	3X2	2-1/4	1	10	086	85.54
868SV-415 ¹	4X1/2	1-1/8	1	10	086	109.53
868SV-416 ¹	4X3/4	1-1/8	1	10	086	109.53
868SV-417	4X1	1-1/8	1	8	086	109.53
868SV-418 ¹	4X1-1/4	1-3/4	1	8	086	109.53
868SV-419	4X1-1/2	1-3/4	1	8	086	109.53
868SV-420	4X2	2-1/4	1	16	086	109.53
868SV-421 ¹	4X2-1/2	3	1	4	086	117.61
868SV-422	4X3	3	1	4	086	122.49
868SV-523 ¹	6X1/2	1-1/8	1	4	086	169.67
868SV-524 ¹	6X3/4	1-1/8	1	4	086	169.67
868SV-525	6X1	1-1/8	1	4	086	169.67

Page 192

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Double Outlet (continued)

with Viton® O-ring Seal & SS Hardware

868SV-526 ¹	6X1-1/4	2-1/4	1	4	086	169.67
868SV-527 ¹	6X1-1/2	2-1/4	1	4	086	169.67
868SV-528	6X2	2-1/4	1	4	086	169.67
868SV-529 ¹	6X2-1/2	3	1	4	086	179.84
868SV-530	6X3	3	1	4	086	184.83
868SV-532	6X4	4	1	4	086	190.21
868SV-573 ¹	8X1/2	4	1	0	086	317.19
868SV-574 ¹	8X3/4	4	1	0	086	317.19
868SV-575 ¹	8X1	4	1	0	086	317.19
868SV-576 ¹	8X1-1/4	4	1	0	086	317.19
868SV-577 ¹	8X1-1/2	4	1	0	086	317.19
868SV-578 ¹	8X2	4	1	0	086	317.19
868SV-579 ¹	8X2-1/2	4	1	0	086	348.90
868SV-580 ¹	8X3	4	1	0	086	366.31
868SV-582	8X4	4	1	0	086	368.09
868SV-585	8X6	6	1	0	086	430.93
868SV-624	10X4	4	1	0	086	512.80
868SV-626	10X6	6	1	0	086	589.77
868SV-664	12X4	4	1	0	086	642.80
868SV-666	12X6	6	1	0	086	745.67

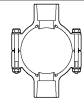
¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x Soc Double Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

868-247	2X1/2	3/4	1	10	086	36.63
868-248	2X3/4	7/8	1	10	086	36.63
868-249	2X1	1-1/8	1	10	086	36.63
868-250	2X1-1/4	1-1/2	1	10	086	36.63
868-251	2X1-1/2	1-1/2	1	10	086	36.63
868-291	2-1/2X1-1/2	1-3/4	1	10	086	50.34
868-333 ¹	3X1/2	7/8	1	10	086	50.34
868-334	3X3/4	7/8	1	10	086	50.34
868-335	3X1	1-1/8	1	10	086	50.34
868-336 ¹	3X1-1/4	2-1/4	1	10	086	50.34
868-337 ¹	3X1-1/2	2-1/4	1	10	086	50.34
868-338	3X2	2-1/4	1	10	086	50.34
868-415 ¹	4X1/2	1-1/8	1	10	086	63.51
868-416 ¹	4X3/4	1-1/8	1	10	086	63.51
868-417	4X1	1-1/8	1	8	086	63.51
868-418 ¹	4X1-1/4	1-3/4	1	8	086	63.51
868-419	4X1-1/2	1-3/4	1	8	086	63.51
868-420	4X2	2-1/4	1	8	086	63.51
868-421 ¹	4X2-1/2	3	1	4	086	68.20
868-422	4X3	3	1	4	086	72.17
868-523 ¹	6X1/2	1-1/8	1	4	086	106.09
868-524 ¹	6X3/4	1-1/8	1	4	086	106.09
868-525	6X1	1-1/8	1	4	086	106.09
868-526 ¹	6X1-1/4	2-1/4	1	4	086	106.09
868-527 ¹	6X1-1/2	2-1/4	1	4	086	106.09
868-528	6X2	2-1/4	1	4	086	106.09
868-529 ¹	6X2-1/2	3	1	4	086	112.12
868-530	6X3	3	1	4	086	118.49
868-532	6X4	4	1	4	086	123.23
868-573 ¹	8X1/2	4	1	0	086	198.39
868-574 ¹	8X3/4	4	1	0	086	198.39
868-575 ¹	8X1	4	1	0	086	198.39
868-576 ¹	8X1-1/4	4	1	0	086	198.39
868-577 ¹	8X1-1/2	4	1	0	086	198.39
868-578 ¹	8X2	4	1	0	086	198.39
868-579 ¹	8X2-1/2	4	1	0	086	217.51
868-580 ¹	8X3	4	1	0	086	228.29
868-582	8X4	4	1	0	086	241.84



Schedule 80 PVC Industrial Products & Accessories Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x Soc Double Outlet

(continued)

with EPDM O-ring Seal & Zinc-Plated Hardware

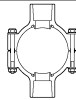
868-585	8X6	6	1	0	086	268.65
868-624	10X4	4	1	0	086	319.64
868-626	10X6	6	1	0	086	367.69
868-664	12X4	4	1	0	086	400.68
868-666	12X6	6	1	0	086	464.76

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x Soc Double Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



868S-247	2X1/2	3/4	1	10	086	55.84
868S-248	2X3/4	7/8	1	10	086	55.84
868S-249	2X1	1-1/8	1	10	086	55.84
868S-250	2X1-1/4	1-1/2	1	10	086	55.84
868S-251	2X1-1/2	1-1/2	1	10	086	55.84
868S-291	2-1/2X1-1/2	1-3/4	1	10	086	75.04
868S-333 ¹	3X1/2	7/8	1	10	086	75.04
868S-334	3X3/4	7/8	1	10	086	75.04
868S-335	3X1	1-1/8	1	10	086	75.04
868S-336 ¹	3X1-1/4	2-1/4	1	10	086	75.04
868S-337 ¹	3X1-1/2	2-1/4	1	10	086	75.04
868S-338	3X2	2-1/4	1	10	086	75.04
868S-415 ¹	4X1/2	1-1/8	1	10	086	96.63
868S-416 ¹	4X3/4	1-1/8	1	10	086	96.63
868S-417	4X1	1-1/8	1	8	086	96.63
868S-418 ¹	4X1-1/4	1-3/4	1	8	086	96.63
868S-419	4X1-1/2	1-3/4	1	8	086	96.63
868S-420	4X2	2-1/4	1	8	086	96.63
868S-421 ¹	4X2-1/2	3	1	4	086	104.86
868S-422	4X3	3	1	4	086	107.67
868S-523 ¹	6X1/2	1-1/8	1	4	086	161.04
868S-524 ¹	6X3/4	1-1/8	1	4	086	161.04
868S-525	6X1	1-1/8	1	4	086	161.04
868S-526 ¹	6X1-1/4	2-1/4	1	4	086	161.04
868S-527 ¹	6X1-1/2	2-1/4	1	4	086	161.04
868S-528	6X2	2-1/4	1	4	086	161.04
868S-529 ¹	6X2-1/2	3	1	4	086	166.50
868S-530	6X3	3	1	4	086	173.26
868S-532	6X4	4	1	4	086	180.16
868S-573 ¹	8X1/2	4	1	0	086	297.90
868S-574 ¹	8X3/4	4	1	0	086	297.90
868S-575 ¹	8X1	4	1	0	086	297.90
868S-576 ¹	8X1-1/4	4	1	0	086	297.90
868S-577 ¹	8X1-1/2	4	1	0	086	297.90
868S-578 ¹	8X2	4	1	0	086	297.90
868S-579 ¹	8X2-1/2	4	1	0	086	327.82
868S-580 ¹	8X3	4	1	0	086	344.31
868S-582	8X4	4	1	0	086	363.28
868S-585	8X6	6	1	0	086	433.32
868S-624	10X4	4	1	0	086	482.09
868S-626	10X6	6	1	0	086	554.39
868S-664	12X4	4	1	0	086	604.32
868S-666	12X6	6	1	0	086	700.89

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x SR Thread Double Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



869V-247SR	2X1/2	3/4	1	10	086	44.54
869V-248SR	2X3/4	7/8	1	10	086	44.54
869V-249SR	2X1	1-1/8	1	10	086	44.54
869V-250SR	2X1-1/4	1-1/2	1	10	086	44.54

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x SR Thread Double Outlet

(continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

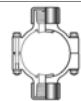
869V-251SR	2X1-1/2	1-1/2	1	10	086	44.54
869V-291SR	2-1/2X1-1/2	1-3/4	1	10	086	61.23
869V-333SR ¹	3X1/2	7/8	1	10	086	61.23
869V-334SR	3X3/4	7/8	1	10	086	61.23
869V-335SR	3X1	1-1/8	1	10	086	61.23
869V-336SR ¹	3X1-1/4	2-1/4	1	10	086	61.23
869V-337SR ¹	3X1-1/2	2-1/4	1	10	086	61.23
869V-338SR	3X2	2-1/4	1	10	086	61.23
869V-415SR ¹	4X1/2	1-1/8	1	10	086	76.04
869V-416SR ¹	4X3/4	1-1/8	1	10	086	76.04
869V-417SR	4X1	1-1/8	1	8	086	76.04
869V-418SR ¹	4X1-1/4	1-3/4	1	8	086	76.04
869V-419SR	4X1-1/2	1-3/4	1	8	086	76.04
869V-420SR	4X2	2-1/4	1	8	086	76.04
869V-421SR ¹	4X2-1/2	3	1	4	086	81.74
869V-422SR	4X3	3	1	4	086	86.36
869V-523SR ¹	6X1/2	1-1/8	1	4	086	128.78
869V-524SR ¹	6X3/4	1-1/8	1	4	086	128.78
869V-525SR	6X1	1-1/8	1	4	086	128.78
869V-526SR ¹	6X1-1/4	2-1/4	1	4	086	128.78
869V-527SR ¹	6X1-1/2	2-1/4	1	4	086	128.78
869V-528SR	6X2	2-1/4	1	4	086	128.78
869V-529SR ¹	6X2-1/2	3	1	4	086	155.56
869V-530SR	6X3	3	1	4	086	164.40
869V-532SR	6X4	4	1	4	086	172.69
869V-573SR ¹	8X1/2	4	1	0	086	260.80
869V-574SR ¹	8X3/4	4	1	0	086	260.80
869V-575SR ¹	8X1	4	1	0	086	260.80
869V-576SR ¹	8X1-1/4	4	1	0	086	260.80
869V-577SR ¹	8X1-1/2	4	1	0	086	260.80
869V-578SR ¹	8X2	4	1	0	086	260.80
869V-579SR ¹	8X2-1/2	4	1	0	086	286.96
869V-580SR ¹	8X3	4	1	0	086	301.34
869V-582SR	8X4	4	1	0	086	319.48
869V-585SR	8X6	6	1	0	086	371.88
869V-624SR	10X4	4	1	0	086	380.11
869V-626SR	10X6	6	1	0	086	437.12
869V-664SR	12X4	4	1	0	086	476.50
869V-666SR	12X6	6	1	0	086	554.46

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x SR Thread Double Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



869SV-247SR	2X1/2	3/4	1	10	086	71.60
869SV-248SR	2X3/4	7/8	1	10	086	71.60
869SV-249SR	2X1	1-1/8	1	10	086	71.60
869SV-250SR	2X1-1/4	1-1/2	1	10	086	71.60
869SV-251SR	2X1-1/2	1-1/2	1	10	086	71.60
869SV-291SR	2-1/2X1-1/2	1-3/4	1	10	086	94.99
869SV-333SR ¹	3X1/2	7/8	1	10	086	94.99
869SV-335SR	3X1	1-1/8	1	10	086	94.99
869SV-334SR	3X3/4	7/8	1	10	086	94.99
869SV-336SR ¹	3X1-1/4	2-1/4	1	10	086	94.99
869SV-337SR ¹	3X1-1/2	2-1/4	1	10	086	94.99
869SV-338SR	3X2	2-1/4	1	10	086	94.99
869SV-415SR ¹	4X1/2	1-1/8	1	10	086	119.43
869SV-416SR ¹	4X3/4	1-1/8	1	10	086	119.43
869SV-417SR	4X1	1-1/8	1	8	086	119.43
869SV-418SR ¹	4X1-1/4	1-3/4	1	8	086	119.43
869SV-419SR	4X1-1/2	1-3/4	1	8	086	119.43
869SV-420SR	4X2	2-1/4	1	8	086	119.43
869SV-421SR ¹	4X2-1/2	3	1	4	086	125.78



Schedule 80 PVC Industrial Products & Accessories Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x SR Thread Double Outlet (continued)

with Viton® O-ring Seal & SS Hardware

869SV-422SR	4X3	3	1	4	086	132.20
869SV-523SR ¹	6X1/2	1-1/8	1	4	086	198.98
869SV-524SR ¹	6X3/4	1-1/8	1	4	086	198.98
869SV-525SR	6X1	1-1/8	1	4	086	198.98
869SV-526SR ¹	6X1-1/4	2-1/4	1	4	086	198.98
869SV-527SR ¹	6X1-1/2	2-1/4	1	4	086	198.98
869SV-528SR	6X2	2-1/4	1	4	086	198.98
869SV-529SR ¹	6X2-1/2	3	1	4	086	213.04
869SV-530SR	6X3	3	1	4	086	226.60
869SV-532SR	6X4	4	1	4	086	232.49
869SV-573SR ¹	8X1/2	4	1	0	086	335.98
869SV-574SR ¹	8X3/4	4	1	0	086	335.98
869SV-575SR ¹	8X1	4	1	0	086	335.98
869SV-576SR ¹	8X1-1/4	4	1	0	086	335.98
869SV-577SR ¹	8X1-1/2	4	1	0	086	335.98
869SV-578SR ¹	8X2	4	1	0	086	335.98
869SV-579SR ¹	8X2-1/2	4	1	0	086	369.48
869SV-580SR ¹	8X3	4	1	0	086	387.95
869SV-582SR	8X4	4	1	0	086	411.32
869SV-585SR	8X6	6	1	0	086	449.15
869SV-624SR	10X4	4	1	0	086	489.43
869SV-626SR	10X6	4	1	0	086	562.88
869SV-664SR	12X4	4	1	0	086	613.45
869SV-666SR	12X6	6	1	0	086	711.68

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x SR Thread Double Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

869-247SR	2X1/2	3/4	1	10	086	39.90
869-248SR	2X3/4	7/8	1	10	086	39.90
869-249SR	2X1	1-1/8	1	10	086	39.90
869-250SR	2X1-1/4	1-1/2	1	10	086	39.90
869-251SR	2X1-1/2	1-1/2	1	10	086	39.90
869-291SR	2-1/2X1-1/2	1-3/4	1	10	086	53.73
869-333SR ¹	3X1/2	7/8	1	10	086	53.73
869-334SR	3X3/4	7/8	1	10	086	53.73
869-335SR	3X1	1-1/8	1	10	086	53.73
869-336SR ¹	3X1-1/4	1-1/8	1	10	086	53.73
869-337SR ¹	3X1-1/2	2-1/4	1	10	086	53.73
869-338SR	3X2	2-1/4	1	10	086	53.73
869-415SR ¹	4X1/2	1-1/8	1	10	086	67.18
869-416SR ¹	4X3/4	1-1/8	1	10	086	67.18
869-417SR	4X1	1-1/8	1	8	086	67.18
869-418SR ¹	4X1-1/4	1-3/4	1	8	086	67.18
869-419SR	4X1-1/2	1-3/4	1	8	086	67.18
869-420SR	4X2	2-1/4	1	8	086	67.18
869-421SR ¹	4X2-1/2	3	1	4	086	73.47
869-422SR	4X3	3	1	4	086	77.99
869-523SR ¹	6X1/2	1-1/8	1	4	086	111.96
869-524SR ¹	6X3/4	1-1/8	1	4	086	111.96
869-525SR	6X1	1-1/8	1	4	086	111.96
869-526SR ¹	6X1-1/4	2-1/4	1	4	086	111.96
869-527SR ¹	6X1-1/2	2-1/4	1	4	086	111.96
869-528SR	6X2	2-1/4	1	4	086	111.96
869-529SR ¹	6X2-1/2	3	1	4	086	138.85
869-530SR	6X3	3	1	4	086	147.04
869-532SR	6X4	4	1	4	086	163.85
869-573SR ¹	8X1/2	4	1	0	086	240.71
869-574SR ¹	8X3/4	4	1	0	086	240.71
869-575SR ¹	8X1	4	1	0	086	240.71
869-576SR ¹	8X1-1/4	4	1	0	086	240.71
869-577SR ¹	8X1-1/2	4	1	0	086	240.71

Page 194

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

PVC Gray Clamp-On Saddle x SR Thread Double Outlet (continued)

with EPDM O-ring Seal & Zinc-Plated Hardware

869-578SR ¹	8X2	4	1	0	086	240.71
869-579SR ¹	8X2-1/2	4	1	0	086	264.90
869-580SR ¹	8X3	4	1	0	086	277.81
869-582SR	8X4	4	1	0	086	294.63
869-585SR	8X6	6	1	0	086	332.86
869-624SR	10X4	4	1	0	086	350.51
869-626SR	10X6	6	1	0	086	403.15
869-664SR	12X4	4	1	0	086	439.59
869-666SR	12X6	6	1	0	086	509.87

¹Outlet-sized with Bushing

PVC Gray Clamp-On Saddle x SR Thread Double Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

869S-247SR	2X1/2	3/4	1	10	086	64.21
869S-248SR	2X3/4	7/8	1	10	086	64.21
869S-249SR	2X1	1-1/8	1	10	086	64.21
869S-250SR	2X1-1/4	1-1/2	1	10	086	64.21
869S-251SR	2X1-1/2	1-1/2	1	10	086	64.21
869S-291SR	2-1/2X1-1/2	1-3/4	1	10	086	85.60
869S-333SR ¹	3X1/2	7/8	1	10	086	85.60
869S-334SR	3X3/4	7/8	1	10	086	85.60
869S-335SR	3X1	1-1/8	1	10	086	85.60
869S-336SR ¹	3X1-1/4	2-1/4	1	10	086	85.60
869S-337SR ¹	3X1-1/2	2-1/4	1	10	086	85.60
869S-338SR	3X2	2-1/4	1	10	086	85.60
869S-415SR ¹	4X1/2	1-1/8	1	10	086	107.24
869S-416SR ¹	4X3/4	1-1/8	1	10	086	107.24
869S-417SR	4X1	1-1/8	1	8	086	107.24
869S-418SR ¹	4X1-1/4	1-3/4	1	8	086	107.24
869S-419SR	4X1-1/2	1-3/4	1	8	086	107.24
869S-420SR	4X2	2-1/4	1	8	086	107.24
869S-421SR ¹	4X2-1/2	3	1	4	086	114.56
869S-422SR	4X3	3	1	4	086	119.69
869S-523SR ¹	6X1/2	1-1/8	1	4	086	178.66
869S-524SR ¹	6X3/4	1-1/8	1	4	086	178.66
869S-525SR	6X1	1-1/8	1	4	086	178.66
869S-526SR ¹	6X1-1/4	2-1/4	1	4	086	178.66
869S-527SR ¹	6X1-1/2	2-1/4	1	4	086	178.66
869S-528SR	6X2	2-1/4	1	4	086	178.66
869S-529SR ¹	6X2-1/2	3	1	4	086	187.48
869S-530SR	6X3	3	1	4	086	195.18
869S-532SR	6X4	4	1	4	086	201.37
869S-573SR ¹	8X1/2	4	1	0	086	307.47
869S-574SR ¹	8X3/4	4	1	0	086	307.47
869S-575SR ¹	8X1	4	1	0	086	307.47
869S-576SR ¹	8X1-1/4	4	1	0	086	307.47
869S-577SR ¹	8X1-1/2	4	1	0	086	307.47
869S-578SR ¹	8X2	4	1	0	086	307.47
869S-579SR ¹	8X2-1/2	4	1	0	086	322.74
869S-580SR ¹	8X3	4	1	0	086	342.20
869S-582SR	8X4	4	1	0	086	362.79
869S-585SR	8X6	6	1	0	086	398.24
869S-624SR	10X4	4	1	0	086	350.51
869S-626SR	10X6	6	1	0	086	496.47
869S-664SR	12X4	4	1	0	086	541.23
869S-666SR	12X6	6	1	0	086	627.76

¹Outlet-sized with Bushing



Schedule 80 PVC Industrial Products & Accessories
Clamp-On & Hot-Tap Saddles



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Gray Hot-Tap Saddle

EPDM Saddle x Soc (Spigot) Zinc Plated Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT2-248	2X3/4 (1)	1	5	049	48.63
HT2-251	2X1-1/2 (2)	1	5	049	100.47
HT2-288	2-1/2X3/4 (1)	1	5	049	51.97
HT2-291	2-1/2X1-1/2 (2)	1	5	049	103.82
HT2-334	3X3/4 (1)	1	5	049	59.52
HT2-337	3X1-1/2 (2)	1	5	049	114.43
HT2-416	4X3/4 (1)	1	5	049	68.74
HT2-419	4X1-1/2 (2)	1	0	049	120.99
HT2-524	6X3/4 (1)	1	5	049	77.27
HT2-527	6X1-1/2 (2)	1	0	049	128.82
HT2-574	8X3/4 (1)	1	0	049	85.51
HT2-577	8X1-1/2 (2)	1	0	049	137.35

PVC Gray Hot-Tap Saddle

EPDM Saddle x Soc (Spigot) SS316 Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT2S-248	2X3/4 (1)	1	5	049	75.72
HT2S-251	2X1-1/2 (2)	1	5	049	156.34
HT2S-288	2-1/2X3/4 (1)	1	5	049	80.89
HT2S-291	2-1/2X1-1/2 (2)	1	5	049	161.51
HT2S-334	3X3/4 (1)	1	5	049	92.65
HT2S-337	3X1-1/2 (2)	1	5	049	178.15
HT2S-416	4X3/4 (1)	1	5	049	107.03
HT2S-419	4X1-1/2 (2)	1	0	049	188.34
HT2S-524	6X3/4 (1)	1	5	049	120.17
HT2S-527	6X1-1/2 (2)	1	0	049	200.35
HT2S-574	8X3/4 (1)	1	0	049	132.45
HT2S-577	8X1-1/2 (2)	1	0	049	212.93

PVC Gray Hot-Tap Saddle

Viton® Saddle x Soc (Spigot) Zinc Plated Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT3-248	2X3/4 (1)	1	5	049	52.82
HT3-251	2X1-1/2 (2)	1	5	049	108.99
HT3-288	2-1/2X3/4 (1)	1	5	049	56.45
HT3-291	2-1/2X1-1/2 (2)	1	5	049	112.62
HT3-334	3X3/4 (1)	1	5	049	64.54
HT3-337	3X1-1/2 (2)	1	5	049	124.35
HT3-416	4X3/4 (1)	1	5	049	74.61
HT3-419	4X1-1/2 (2)	1	0	049	129.71
HT3-524	6X3/4 (1)	1	5	049	83.84
HT3-527	6X1-1/2 (2)	1	0	049	139.44
HT3-574	8X3/4 (1)	1	0	049	93.19
HT3-577	8X1-1/2 (2)	1	0	049	165.14

PVC Gray Hot-Tap Saddle

Viton® Saddle x Soc (Spigot) SS316 Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT3S-248	2X3/4 (1)	1	5	049	82.15
HT3S-251	2X1-1/2 (2)	1	5	049	169.63
HT3S-288	2-1/2X3/4 (1)	1	5	049	88.02
HT3S-291	2-1/2X1-1/2 (2)	1	5	049	175.34
HT3S-334	3X3/4 (1)	1	5	049	100.47
HT3S-337	3X1-1/2 (2)	1	5	049	193.51
HT3S-416	4X3/4 (1)	1	5	049	115.97
HT3S-419	4X1-1/2 (2)	1	0	049	204.41
HT3S-524	6X3/4 (1)	1	5	049	130.50
HT3S-527	6X1-1/2 (2)	1	0	049	217.14
HT3S-574	8X3/4 (1)	1	0	049	144.33

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Gray Hot-Tap Saddle (continued)

Viton® Saddle x Soc (Spigot) SS316 Bolts

HT3S-577	8X1-1/2 (2)	1	0	049	230.15
----------	-------------	---	---	-----	--------



PVC Gray Hot-Tap Saddle

EPDM with Stainless Steel Cutter & Bolts

2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HTS2S-248	2X3/4 (1)	1	5	049	362.77
HTS2S-251	2X1-1/2 (2)	1	5	049	546.73
HTS2S-288	2-1/2X3/4 (1)	1	5	049	388.16
HTS2S-291	2-1/2X1-1/2 (2)	1	5	049	548.73
HTS2S-334	3X3/4 (1)	1	5	049	367.39
HTS2S-337	3X1-1/2 (2)	1	5	049	557.29
HTS2S-416	4X3/4 (1)	1	5	049	397.95
HTS2S-419	4X1-1/2 (2)	1	0	049	573.30
HTS2S-524	6X3/4 (1)	1	5	049	439.64
HTS2S-527	6X1-1/2 (2)	1	0	049	630.43
HTS2S-574	8X3/4 (1)	1	0	049	627.19
HTS2S-577	8X1-1/2 (2)	1	0	049	744.80



PVC Gray Hot-Tap Saddle

Viton® with Stainless Steel Cutter & Bolts

2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HTS3S-248	2X3/4 (1)	1	5	049	368.51
HTS3S-251	2X1-1/2 (2)	1	5	049	556.90
HTS3S-288	2-1/2X3/4 (1)	1	5	049	394.34
HTS3S-291	2-1/2X1-1/2 (2)	1	5	049	558.84
HTS3S-334	3X3/4 (1)	1	5	049	371.87
HTS3S-337	3X1-1/2 (2)	1	5	049	570.24
HTS3S-416	4X3/4 (1)	1	5	049	405.87
HTS3S-419	4X1-1/2 (2)	1	0	049	589.15
HTS3S-524	6X3/4 (1)	1	5	049	447.53
HTS3S-527	6X1-1/2 (2)	1	0	049	645.59
HTS3S-574	8X3/4 (1)	1	0	049	633.55
HTS3S-577	8X1-1/2(20)	1	0	049	758.85

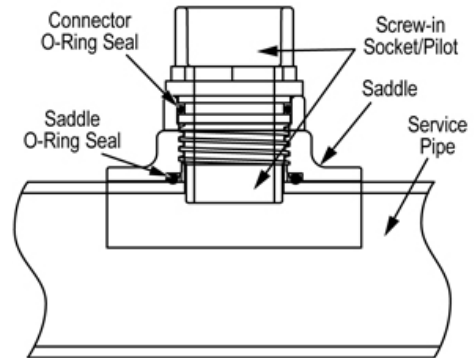


Schedule 80 PVC Industrial Products & Accessories Mechanical Clamp-On Transition Saddles

Designed for Polypropylene-to-PVC pipe transition, but fully suitable for any IPS pipe (metal or plastic) transition to PVC. Excellent for irrigation extensions and lateral take-offs. Pilot on lateral connector prevents saddle movement on pipe. Easy Installation - Clamp saddle to pipe, drill hole, install screw-in pilot/socket lateral connector. Injection molded in distinct blue color.



- Socket Outlet
- 315 psi Pressure Rating @ 73° F
- SS316 Mechanical Clamp
- EPDM O-ring Seals
- Interchangeable 1-1/2" & 2" Lateral Connector Sizes
- Stainless Steel Reinforcing Rings for Extra Strength



Note: Mechanical Clamp Not Shown

Mechanical Clamp-on Transition Saddles

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Pipe O.D. x Socket

For Polypropylene (or any IPS pipe, metal or plastic) - To - PVC Transitions

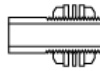
865-419	4X1-1/2	1	0	086	319.08
865-420	4X2	1	0	086	326.77
865-527	6X1-1/2	1	0	086	448.75
865-528	6X2	1	0	086	532.92
865-577	8X1-1/2	1	0	086	604.27
865-578	8X2	1	0	086	687.33

Schedule 80 PVC Industrial Products & Accessories Tank Adapters



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Spigot Tank Adapter with EPDM Gasket Spig



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8173E-005	1/2	25	0	100	33.62
8173E-007	3/4	25	0	100	37.93
8173E-010	1	25	0	100	45.73
8173E-015	1-1/2	20	0	100	59.21
8173E-020	2	15	0	100	87.13

Install with threaded end, gasket and one nut inside tank. Use thread sealant on internal nut.

PVC Self Aligning Tank Adapter with Neoprene Gasket Fipt



75 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172SA-010	1	5	0	100	140.46
8172SA-020	2	4	0	100	218.41
8172SA-030	3	2	0	100	330.48

PVC Self Aligning Tank Adapter with EPDM Gasket Fipt



75 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172ESA-010	1	5	0	100	147.81
8172ESA-020	2	4	0	100	224.30
8172ESA-030	3	2	0	100	347.98

PVC Self Aligning Tank Adapter with Viton® Gasket Fipt



75 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172VSA-010	1	5	0	100	382.99
8172VSA-020	2	4	0	100	543.73
8172VSA-030	3	2	0	100	854.35

PVC New Style Standard Tank Adapters with Neoprene Gaskets Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8170-002	1/4	25	150	100	32.62
8170-003	3/8	25	150	100	32.62
8170-005	1/2	25	0	100	32.62
8170-007	3/4	25	0	100	37.19
8170-010	1	25	0	100	41.32
8170-012	1-1/4	20	0	100	49.78
8170-015	1-1/2	20	0	100	54.62
8170-020	2	15	0	100	80.96
8170-025	2-1/2	4	0	100	125.11
8170-030	3	4	0	100	148.93
8170-040	4	2	0	100	293.37
8170-060	6	1	0	100	569.45
8170-080	8	1	0	100	1263.73

PVC New Style Standard Tank Adapters with EPDM Gaskets Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

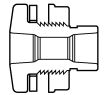
8170E-002	1/4	25	150	100	33.62
8170E-003	3/8	25	150	100	33.62
8170E-005	1/2	25	0	100	33.62
8170E-007	3/4	25	0	100	37.93
8170E-010	1	25	0	100	45.73
8170E-012	1-1/4	20	0	100	54.36
8170E-015	1-1/2	20	0	100	59.21

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC New Style Standard Tank Adapters with EPDM Gaskets (continued) Soc

8170E-020	2	15	0	100	87.13
8170E-025	2-1/2	4	0	100	145.22
8170E-030	3	4	0	100	154.49
8170E-040	4	2	0	100	300.78
8170E-060	6	1	0	100	589.89
8170E-080	8	1	0	100	1310.59

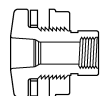
PVC New Style Standard Tank Adapters with Viton® Gaskets Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8170V-002	1/4	25	150	100	55.43
8170V-003	3/8	25	150	100	55.43
8170V-005	1/2	25	0	100	55.43
8170V-007	3/4	25	0	100	60.77
8170V-010	1	25	0	100	72.77
8170V-012	1-1/4	20	0	100	76.73
8170V-015	1-1/2	20	0	100	84.51
8170V-020	2	15	0	100	138.66
8170V-025	2-1/2	4	0	100	209.01
8170V-030	3	4	0	100	248.82
8170V-040	4	2	0	100	622.45
8170V-060	6	1	0	100	1119.54
8170V-080	8	1	0	100	2084.04

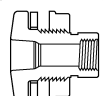
PVC New Style Standard Tank Adapters with Neoprene Gasket Soc x Fipt



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171-002	1/4	25	150	100	32.62
8171-003	3/8	25	200	100	32.62
8171-005	1/2	25	0	100	32.62
8171-007	3/4	25	0	100	37.19
8171-010	1	25	0	100	41.32
8171-012	1-1/4	20	0	100	49.78
8171-015	1-1/2	20	0	100	54.62
8171-020	2	15	0	100	80.96
8171-025	2-1/2	4	0	100	125.11
8171-030	3	4	0	100	148.93
8171-040	4	2	0	100	293.37
8171-060	6	1	0	100	569.45

PVC New Style Standard Tank Adapters with EPDM Gaskets Soc x Fipt



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171E-002	1/4	25	150	100	33.62
8171E-003	3/8	25	200	100	33.62
8171E-005	1/2	25	0	100	33.62
8171E-007	3/4	25	0	100	37.93
8171E-010	1	25	0	100	45.73
8171E-012	1-1/4	20	0	100	54.36
8171E-015	1-1/2	20	0	100	59.21
8171E-020	2	15	0	100	87.13
8171E-025	2-1/2	4	0	100	145.22
8171E-030	3	4	0	100	154.49
8171E-040	4	2	0	100	300.78
8171E-060	6	1	0	100	589.89



Schedule 80 PVC Industrial Products & Accessories Tank Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC New Style Standard Tank Adapters with Viton® Gaskets

Soc x Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171V-002	1/4	25	150	100	55.43
8171V-003	3/8	25	200	100	55.43
8171V-005	1/2	25	0	100	55.43
8171V-007	3/4	25	0	100	60.77
8171V-010	1	25	0	100	72.77
8171V-012	1-1/4	20	0	100	76.73
8171V-015	1-1/2	20	0	100	84.51
8171V-020	2	15	0	100	138.66
8171V-025	2-1/2	4	0	100	209.01
8171V-030	3	4	0	100	248.82
8171V-040	4	2	0	100	622.45
8171V-060	6	1	0	100	1119.54



PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets

Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171-002SR	1/4	25	150	100	33.80
8171-003SR	3/8	25	200	100	33.80
8171-005SR	1/2	25	0	100	33.80
8171-007SR	3/4	25	0	100	39.16
8171-010SR	1	25	0	100	44.10
8171-012SR	1-1/4	20	0	100	54.21
8171-015SR	1-1/2	20	0	100	62.22
8171-020SR	2	15	0	100	89.17
8171-025SR	2-1/2	4	0	100	143.57
8171-030SR	3	4	0	100	170.90
8171-040SR	4	2	0	100	316.12
8171-060SR	6	1	0	100	591.63



PVC New Style Special Reinforced (SR) Threaded Tank Adapters with EPDM Gaskets

Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171E-002SR	1/4	25	150	100	34.99
8171E-003SR	3/8	25	200	100	34.99
8171E-005SR	1/2	25	0	100	34.99
8171E-007SR	3/4	25	0	100	39.90
8171E-010SR	1	25	0	100	48.51
8171E-012SR	1-1/4	20	0	100	58.77
8171E-015SR	1-1/2	20	0	100	66.79
8171E-020SR	2	15	0	100	95.34
8171E-025SR	2-1/2	4	0	100	148.23
8171E-030SR	3	4	0	100	176.47
8171E-040SR	4	2	0	100	323.55
8171E-060SR	6	1	0	100	611.98



PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Viton® Gaskets

Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171V-002SR	1/4	25	150	100	56.80
8171V-003SR	3/8	25	200	100	56.80
8171V-005SR	1/2	25	0	100	56.80
8171V-007SR	3/4	25	0	100	62.33
8171V-010SR	1	25	0	100	76.83
8171V-012SR	1-1/4	20	0	100	86.03
8171V-015SR	1-1/2	20	0	100	96.98
8171V-020SR	2	15	0	100	148.51
8171V-025SR	2-1/2	4	0	100	226.10



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Viton® Gaskets (continued)

Soc x SR Fipt - Stainless Steel Collar

8171V-030SR	3	4	0	100	269.15
8171V-040SR	4	2	0	100	646.67
8171V-060SR	6	2	0	100	1146.10

PVC New Style Standard Tank Adapters with Neoprene Gaskets

Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172-002	1/4	25	150	100	43.81
8172-003	3/8	25	200	100	43.81
8172-005	1/2	25	0	100	43.81
8172-007	3/4	25	0	100	48.05
8172-010	1	25	0	100	52.55
8172-012	1-1/4	20	0	100	70.06
8172-015	1-1/2	20	0	100	76.37
8172-020	2	15	0	100	100.57
8172-025	2-1/2	4	0	100	147.20
8172-030	3	4	0	100	175.21
8172-040	4	2	0	100	328.33
8172-060	6	1	0	100	657.06



PVC New Style Standard Tank Adapters with EPDM Gaskets

Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172E-002	1/4	25	150	100	45.11
8172E-003	3/8	25	200	100	45.11
8172E-005	1/2	25	0	100	45.11
8172E-007	3/4	25	0	100	48.99
8172E-010	1	25	0	100	58.20
8172E-012	1-1/4	50	0	100	76.50
8172E-015	1-1/2	20	0	100	82.74
8172E-020	2	15	0	100	108.23
8172E-025	2-1/2	4	0	100	152.68
8172E-030	3	4	0	100	181.79
8172E-040	4	2	0	100	336.70
8172E-060	6	1	0	100	680.67



PVC New Style Standard Tank Adapters with Viton® Gaskets

Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172V-002	1/4	25	150	100	67.78
8172V-003	3/8	25	200	100	67.78
8172V-005	1/2	25	0	100	67.78
8172V-007	3/4	25	0	100	72.24
8172V-010	1	25	0	100	82.51
8172V-012	1-1/4	20	0	100	93.63
8172V-015	1-1/2	20	0	100	106.87
8172V-020	2	15	0	100	158.35
8172V-025	2-1/2	4	0	100	226.17
8172V-030	3	4	0	100	269.32
8172V-040	4	2	0	100	656.38
8172V-060	6	1	0	100	1255.86

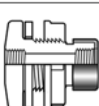


PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets

Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172-002SR	1/4	25	150	100	45.19
8172-003SR	3/8	25	200	100	45.19
8172-005SR	1/2	25	0	100	45.19



Schedule 80 PVC Industrial Products & Accessories Tank Adapters



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets (continued)

Fipt x SR Fipt - Stainless Steel Collar

8172-007SR	3/4	25	0	100	50.03
8172-010SR	1	25	0	100	55.33
8172-012SR	1-1/4	20	0	100	74.51
8172-015SR	1-1/2	20	0	100	83.97
8172-020SR	2	15	0	100	108.80
8172-025SR	2-1/2	4	0	100	165.65
8172-030SR	3	4	0	100	197.21
8172-040SR	4	2	0	100	351.09
8172-060SR	6	1	0	100	679.14

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with EPDM Gaskets

Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172E-002SR	1/4	25	150	100	46.49
8172E-003SR	3/8	25	200	100	46.49
8172E-005SR	1/2	25	0	100	46.49
8172E-007SR	3/4	25	0	100	50.97
8172E-010SR	1	25	0	100	60.98
8172E-012SR	1-1/4	20	0	100	80.95
8172E-015SR	1-1/2	20	0	100	90.31
8172E-020SR	2	15	0	100	116.47
8172E-025SR	2-1/2	4	0	100	171.16
8172E-030SR	3	4	0	100	203.74
8172E-040SR	4	2	0	100	359.46
8172E-060SR	6	1	0	100	702.68

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Viton® Gaskets

Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172V-002SR	1/4	25	150	100	69.15
8172V-003SR	3/8	25	200	100	69.15
8172V-005SR	1/2	25	0	100	69.15
8172V-007SR	3/4	25	0	100	74.24
8172V-010SR	1	25	0	100	85.29
8172V-012SR	1-1/4	20	0	100	98.05
8172V-015SR	1-1/2	20	0	100	114.46
8172V-020SR	2	15	0	100	166.59
8172V-025SR	2-1/2	4	0	100	244.62
8172V-030SR	3	4	0	100	291.29
8172V-040SR	4	2	0	100	679.14
8172V-060SR	6	2	0	100	1282.40

Tank Adapter with Neoprene Gasket (Old Style)

Soc x Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

871-005	1/2	25	0	100	32.62
871-007	3/4	25	0	100	37.19
871-010	1	25	0	100	41.32
871-012	1-1/4	20	0	100	49.78
871-015	1-1/2	20	0	100	54.62
871-020	2	15	0	100	80.96
871-030	3	4	0	100	148.93
871-040	4	2	0	100	293.37

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tank Adapter with Neoprene Gasket (Old Style)

Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

872-005	1/2	25	0	100	43.81
872-007	3/4	25	0	100	48.05
872-010	1	25	0	100	52.55
872-012	1-1/4	20	0	100	70.06
872-015	1-1/2	20	0	100	76.37
872-020	2	15	0	100	100.57
872-030	3	4	0	100	175.21
872-040	4	2	0	100	328.33

Tank Adapter with EPDM Gasket (Old Style)

Soc x Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

871E-005	1/2	25	0	100	33.62
871E-007	3/4	25	0	100	37.93
871E-010	1	25	0	100	45.73
871E-012	1-1/4	20	0	100	54.36
871E-015	1-1/2	20	0	100	59.21
871E-020	2	15	0	100	87.13
871E-030	3	4	0	100	154.49
871E-040	4	2	0	100	300.78

Tank Adapter with EPDM Gasket (Old Style)

Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

872E-005	1/2	25	0	100	45.11
872E-007	3/4	25	0	100	48.99
872E-010	1	25	0	100	58.20
872E-012	1-1/4	20	0	100	76.50
872E-015	1-1/2	20	0	100	82.74
872E-020	2	15	0	100	108.23
872E-030	3	4	0	100	181.79
872E-040	4	2	0	100	336.70

Neoprene Tank Adapter Gasket Only (New Style)

3N-002	1/4	100	0	901	2.57
3N-003	3/8	50	0	901	2.57
3N-005	1/2	10	0	901	2.57
3N-007	3/4	10	0	901	2.76
3N-010	1	10	0	901	2.94
3N-012	1-1/4	10	0	901	4.06
3N-015	1-1/2	10	0	901	4.76
3N-020	2	10	0	901	6.23
3N-025	2-1/2	10	0	901	6.50
3N-030	3	10	0	901	6.78
3N-040	4	10	0	901	18.76
2N-060	6	10	0	901	23.44
3N-080	8	10	0	901	107.48

EPDM Tank Adapter Gasket Only (New Style)

3E-002	1/4	10	0	901	2.99
3E-003	3/8	10	0	901	2.99
3E-005	1/2	10	0	901	2.99
3E-007	3/4	10	0	901	3.09
3E-010	1	10	0	901	5.36
3E-012	1-1/4	10	0	901	7.85



Schedule 80 PVC Industrial Products & Accessories Tank Adapters & Expansion Joints

Tank Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
EPDM Tank Adapter Gasket Only (New Style) (continued)					
3E-015	1-1/2	10	0	901	8.06
3E-020	2	10	0	901	9.22
3E-025	2-1/2	10	0	901	13.07
3E-030	3	10	0	901	14.05
3E-040	4	10	0	901	21.17
2E-060	6	10	0	901	38.21
3E-080	8	10	0	901	138.69

Viton® Tank Adapter Gasket Only (New Style)

3V-002	1/4	10	0	901	10.95
3V-003	3/8	10	0	901	12.91
3V-005	1/2	10	0	901	19.27
3V-007	3/4	10	0	901	23.86
3V-010	1	10	0	901	32.62
3V-012	1-1/4	10	0	901	51.88
3V-015	1-1/2	10	0	901	56.04
3V-020	2	10	0	901	89.76
3V-025	2-1/2	10	0	901	99.16
3V-030	3	10	0	901	103.32
3V-040	4	10	0	901	233.79
2V-060	6	10	0	901	585.23
3V-080	8	10	0	901	981.52

Neoprene Tank Adapter Gasket Only (Old Style)

2N-005	1/2	10	0	901	2.57
2N-007	3/4	10	0	901	2.76
2N-010	1	10	0	901	2.94
2N-015	1-1/4 OR 1-1/2	10	0	901	4.76
2N-020	2	10	0	901	6.23
2N-030	3	10	0	901	6.78
2N-040	4	10	0	901	18.76

EPDM Tank Adapter Gasket Only (Old Style)

2E-005	1/2	10	0	901	2.99
2E-007	3/4	10	0	901	3.09
2E-010	1	10	0	901	5.36
2E-015	1-1/4 OR 1-1/2	10	0	901	8.06
2E-020	2	10	0	901	9.22
2E-030	3	10	0	901	14.05

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
EPDM Tank Adapter Gasket Only (Old Style) (continued)					
2E-040	4	10	0	901	21.17

Wrench Sets (New Style) Body Wrench & Nut Wrench



TAW-002	1/4	1	25	299	20.80
TAW-003	3/8	1	25	299	20.80
TAW-005	1/2	1	25	299	20.80
TAW-007	3/4	1	25	299	21.20
TAW-010	1	1	25	299	22.05
TAW-012	1-1/4	1	20	299	24.87
TAW-015	1-1/2	1	20	299	26.98
TAW-020	2	1	10	299	30.73
TAW-025	2-1/2	1	10	299	34.00
TAW-030	3	1	10	299	37.47
TAW-040	4	1	10	299	40.15

Individual Body Wrench (New Style)



TAW1-002	1/4	500	0	299	11.67
TAW1-003	3/8	400	0	299	11.67
TAW1-005	1/2	250	0	299	11.67
TAW1-007	3/4	220	0	299	11.89
TAW1-010	1	200	0	299	12.38
TAW1-012	1-1/4	300	0	299	14.02
TAW1-015	1-1/2	150	0	299	15.10
TAW1-020	2	100	0	299	16.39
TAW1-025	2-1/2	80	0	299	17.13
TAW1-030	3	74	0	299	21.48
TAW1-040	4	35	0	299	22.10

Individual Nut Wrench (New Style)



TAW2-002	1/4	300	0	299	11.67
TAW2-003	3/8	250	0	299	11.67
TAW2-005	1/2	200	0	299	11.67
TAW2-007	3/4	160	0	299	11.89
TAW2-010	1	110	0	299	12.38
TAW2-012	1-1/4	200	0	299	14.02
TAW2-015	1-1/2	120	0	299	15.10
TAW2-020	2	100	0	299	16.39
TAW2-025	2-1/2	50	0	299	17.13
TAW2-030	3	40	0	299	21.48

Schedule 80 PVC Industrial Products & Accessories Expansion Joints & Pipe Flanges



Expansion Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Fabricated Expansion Joints

12" Travel with EPDM O-rings



1/2" - 2" 235 psi @ 73°F (23°C)
2-1/2" - 12" 150 psi @ 73°F (23°C)
14" 100 psi @ 73°F (23°C)

826-005X12	1/2	10	0	085	334.50
826-007X12	3/4	6	0	085	353.77
826-010X12	1	5	0	085	423.93
826-012X12	1-1/4	4	0	085	540.47
826-015X12	1-1/2	4	0	085	429.18
826-020X12	2	2	0	085	506.27
826-025X12	2-1/2	1	0	085	850.53
826-030X12	3	1	0	085	654.06
826-040X12	4	1	0	085	734.77
826-060X12	6	1	0	085	1070.35
826-080X12	8	1	0	085	1435.01
826-100X12	10	1	0	085	1754.40
826-120X12	12	1	0	085	2810.05
826-140X12	14	1	0	085	3119.11

Viton® O-rings available on special order. Add a "V" preceding the dash (-) separator, e.g. 826V-005X12

PVC Elastomer Expansion Joint

with Neoprene Bellows Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ02-007	3/4	10	0	085	187.96
EJ02-010	1	10	0	085	213.12
EJ02-012	1-1/4	15	0	085	227.07
EJ02-015	1-1/2	10	0	085	279.55
EJ02-020	2	8	0	085	342.55
EJ02-025	2-1/2	4	0	085	484.59
EJ02-030	3	2	0	085	666.11

PVC Elastomer Expansion Joint

with EPDM Bellows Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ22-007	3/4	10	0	085	191.79
EJ22-010	1	10	0	085	217.45
EJ22-012	1-1/4	15	0	085	234.09
EJ22-015	1-1/2	10	0	085	284.39
EJ22-020	2	8	0	085	349.54
EJ22-025	2-1/2	4	0	085	494.46
EJ22-030	3	2	0	085	679.68

PVC Elastomer Expansion Joint

with Neoprene Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ01-007SR	3/4	10	0	085	190.59
EJ01-010SR	1	10	0	085	217.05
EJ01-012SR	1-1/4	15	0	085	236.07
EJ01-015SR	1-1/2	10	0	085	301.37
EJ01-020SR	2	8	0	085	362.07
EJ01-025SR	2-1/2	4	0	085	527.64
EJ01-030SR	3	2	0	085	709.59

PVC Elastomer Expansion Joint

with EPDM Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007SR	3/4	10	0	085	194.46
EJ21-010SR	1	10	0	085	221.48
EJ21-012SR	1-1/4	15	0	085	240.91
EJ21-015SR	1-1/2	10	0	085	307.50
EJ21-020SR	2	8	0	085	369.47
EJ21-025SR	2-1/2	4	0	085	535.41
EJ21-030SR	3	2	0	085	724.07

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Flange Van Stone Style

Flange x PIP Soc



125 psi Maximum Internal Pressure Rating @ 73°F (23°C)

354-060F	6X6.140	1	4	320	126.99
354-080F	8X8.160	1	2	320	192.30
354-100F	10X10.200	1	2	320	270.38
354-120F	12X12.240	1	2	320	391.60
354-150F	14X15.300	1	0	320	1043.82
354-151F	16X15.300	1	0	320	1190.79
354-181F	18X18.701	1	0	320	1809.00
354-182F	18X18.360	1	0	320	1809.00
354-201F	20X22.047	1	0	320	2755.48
354-241F	24X24.803	1	0	320	4035.33

For more information, refer to 80, 100 & 125 psi PIP Fabrication Fittings.

PIP = Plastic Irrigation Pipe (dimensions are NOT the same as IPS dimensions)

Sizes 6" - 16" are furnished with plastic ring.
Sizes 18" - 24" are furnished with steel ring.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Flange One Piece

Soc



1/2" - 16" 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

18" - 24" 50 psi Maximum Internal Pressure Rating @ 73°F (23°C)					
851-005	1/2	25	0	080	17.20
851-007	3/4	25	0	080	18.38
851-010	1	15	0	080	20.47
851-012	1-1/4	15	0	080	21.09
851-015	1-1/2	20	0	080	21.55
851-020	2	10	0	080	28.68
851-025	2-1/2	10	0	080	44.27
851-030	3	10	0	080	48.89
851-040	4	5	0	080	61.90
851-050	5	5	0	080	97.33
851-060	6	5	0	080	97.33
851-080	8	2	0	080	174.16
851-100F	10	1	2	083	473.27
851-120F	12	1	0	083	574.71
851-140F	14	1	0	083	1057.02
851-160F	16	1	0	083	1450.64

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 201



Schedule 80 PVC Industrial Products & Accessories Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange One Piece (continued)

Soc

851-180F	18	1	0	083	3068.69
851-200F	20	1	0	083	3757.83
851-240F	24	1	0	083	4990.84

Flange One Piece

Fipt

150 psi Maximum Internal Pressure Rating @73°F (23°C)

852-005	1/2	25	0	080	20.59
852-007	3/4	25	0	080	24.12
852-010	1	15	0	080	26.41
852-012	1-1/4	15	0	080	36.41
852-015	1-1/2	20	0	080	39.74
852-020	2	10	0	080	40.64
852-025	2-1/2	10	0	080	93.44
852-030	3	10	0	080	96.18
852-040	4	5	0	080	180.71
852-060F	6	1	5	083	217.09
852-080F	8	1	2	083	544.84

Special Reinforced Flange One Piece Threaded

SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @73°F (23°C)

852-005SR	1/2	25	0	086	11.31
852-007SR	3/4	25	0	086	13.29
852-010SR	1	15	0	086	14.53
852-012SR	1-1/4	15	0	086	20.02
852-015SR	1-1/2	15	0	086	21.91
852-020SR	2	10	0	086	22.44
852-025SR	2-1/2	10	0	086	51.39
852-030SR	3	10	0	086	52.91
852-040SR	4	5	0	086	99.46

Blind Flange

1/2" - 12" Molded - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
14" - 24" Fabricated - 50 psi Maximum Internal Pressure Rating @ 73°F (23°C)

853-005	1/2	25	0	080	24.11
853-007	3/4	25	0	080	28.72
853-010	1	15	0	080	39.23
853-012	1-1/4	20	0	080	48.15
853-015	1-1/2	15	0	080	48.15
853-020	2	10	0	080	71.94
853-025	2-1/2	10	0	080	117.21
853-030	3	10	0	080	141.45
853-040	4	8	0	080	176.21
853-050F	5	1	5	083	441.70
853-060	6	5	0	080	214.13
853-080	8	5	0	080	268.02
853-100	10	3	0	081	448.18
853-120	12	2	0	081	698.01
853-140F	14	1	0	083	1327.90
853-160F	16	1	0	083	1574.63
853-180F	18	1	0	083	1770.89
853-200F	20	1	0	083	2862.36
853-240F	24	1	0	083	3816.12

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with PVC Ring

Soc

1/2" - 18" molded - 150 psi = maximum internal pressure rating @ 73°F (23°C)
18" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73°F (23°C)

854-005	1/2	25	0	080	17.18
854-007	3/4	25	0	080	18.37
854-010	1	15	0	080	20.46
854-012	1-1/4	15	0	080	21.07
854-015	1-1/2	20	0	080	21.50
854-020	2	10	0	080	28.63
854-025	2-1/2	10	0	080	44.22
854P-030	3	10	0	080	48.87
854P-040	4	5	0	080	61.82
854P-050	5	5	0	080	97.24
854P-060	6	5	0	080	97.24
854P-080	8	2	0	080	158.35
854P-100	10	2	0	081	205.00
854P-120	12	2	0	081	221.03
854P-140	14	1	0	081	853.30
854P-160	16	1	0	081	1141.33
854P-180	18	1	0	081	1840.81
854-180FP	18	1	0	083	2912.47
854-200FP	20	1	0	083	3562.39
854-240FP	24	1	0	083	4846.02

Flange Van Stone Style with Glass Filled PVC Ring

Soc

3" - 18" molded - 150 psi = maximum internal pressure rating @ 73°F (23°C)

854-030	3	10	0	080	48.87
854-040	4	5	0	080	61.82
854-050	5	5	0	080	97.24
854-060	6	5	0	080	97.24
854-080	8	2	0	080	158.35
854-100	10	2	0	081	205.00
854-120	12	2	0	081	221.03
854-140	14	1	0	081	853.30
854-160	16	1	0	081	1141.33
854-180	18	1	0	081	1840.81

18" flange has 4-section ring

Flange Van Stone Style Class 300 Bolt Pattern Fabricated with PVC Ring

Soc

1/2" - 16" molded with fab ring - 150 psi = maximum internal pressure rating @ 73°F (23°C)

18" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73°F (23°C)

854-005CL300	1/2	1	25	083	141.21
854-007CL300	3/4	1	25	083	164.07
854-010CL300	1	1	15	083	257.80
854-012CL300	1-1/4	1	15	083	263.24
854-015CL300	1-1/2	1	20	083	273.44
854-020CL300	2	10	0	083	287.90
854-025CL300	2-1/2	1	10	083	316.12
854-030CL300	3	1	10	083	347.18
854-040CL300	4	1	3	083	588.69
854-060CL300	6	1	4	083	1121.23
854-080CL300	8	1	3	083	1276.26
854-100CL300	10	1	2	083	1502.52
854-120CL300	12	1	0	083	1925.03
854-140CL300	14	1	0	083	2122.53

Schedule 80 PVC Industrial Products & Accessories Pipe Flanges



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Flange Van Stone Style Class 300 Bolt Pattern Fabricated with PVC Ring (continued)

Soc

854-160CL300	16	1	0	083	2210.38
854-180CL300	18	1	0	083	3090.45
854-200CL300	20	1	0	083	4012.82
854-240CL300	24	1	0	083	5087.14

Flange Van Stone Style with PVC Ring Spig

1/2" - 12" molded - 150 psi = maximum internal pressure rating @ 73°F (23°C)
20" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73°F (23°C)

856-005	1/2	25	0	080	17.27
856-007	3/4	25	0	080	18.51
856-010	1	15	0	080	20.63
856-012	1-1/4	15	0	080	21.28
856-015	1-1/2	15	0	080	21.71
856-020	2	10	0	080	28.85
856-025	2-1/2	10	0	080	44.59
856P-030	3	10	0	080	49.26
856P-040	4	5	0	080	62.33
856P-060	6	4	0	080	98.04
856P-080	8	2	0	080	175.38
856P-100	10	2	0	081	205.00
856P-120	12	2	0	081	221.03
856-200FP	20	1	0	083	3562.39
856-240FP	24	1	0	083	4846.02

Flange Van Stone Style with Glass Filled PVC Ring Spig

3" - 12" molded, 14" - 18" molded/fabricated - 150 psi = maximum internal pressure rating @ 73°F (23°C)

856-030	3	10	0	080	49.26
856-040	4	5	0	080	62.33
856-060	6	4	0	080	98.04
856-080	8	2	0	080	175.38
856-100	10	2	0	081	205.00
856-120	12	2	0	081	221.03
856-140FP**	14	1	0	083	1830.60
856-160FP**	16	1	0	083	2221.02
856-180FP**	18	1	0	083	2912.47

** Fabricated from molded socket flanges with pipe spigot.
18" flange uses 4-piece ring

Flange Van Stone Style with Steel Ring Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

854-180FS	18	1	0	083	1719.40
854-200FS	20	1	0	083	2083.53
854-240FS	24	1	0	083	2804.11

Flange Van Stone Style with Steel Ring Spig

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

856-140FS	14	1	0	083	926.46
856-160FS	16	1	0	083	1132.41
856-180FS	18	1	0	083	1283.14
856-200FS	20	1	0	083	1545.53
856-240FS	24	1	0	083	2098.65

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Flange Van Stone Style PVC with Solid Ring Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

S854-020	2	10	0	080	35.80
S854-030	3	10	0	080	61.10
S854-040	4	5	0	080	77.29

Flange Van Stone Style PVC with Glass Filled PVC Solid Ring Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

S854-060	6	5	0	080	121.57
S854-080	8	2	0	080	197.93
S854-100	10	2	0	081	256.24
S854-120	12	2	0	081	276.26

Flange Van Stone Style with PVC Ring ASTM Soc x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M854-020	2	10	0	080	28.63
----------	---	----	---	-----	-------

* Hubs fit 2", 6" and 8" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with Glass Filled PVC Ring ASTM Soc x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M854-060	6	5	0	080	97.24
M854-080	8	2	0	080	158.35

* Hubs fit 2", 6" and 8" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with PVC Ring ASTM Spig x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M856-020	2	10	0	080	28.85
----------	---	----	---	-----	-------

* Spigots fit 2", 6" and 8" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with Glass Filled PVC Ring ASTM Spig x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M856-060	6	4	0	080	98.04
M856-080	8	2	0	080	159.54

* Spigots fit 2", 6" and 8" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with PVC Ring Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

855-005	1/2	25	0	080	20.55
855-007	3/4	25	0	080	24.11
855-010	1	15	0	080	26.37



Schedule 80 PVC Industrial Products & Accessories Pipe Flanges & Van Stone Style Flange Replacement Split Rings

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with PVC Ring (continued) Fipt

855-012	1-1/4	15	0	080	36.35
855-015	1-1/2	20	0	080	39.70
855-020	2	10	0	080	40.62
855-025	2-1/2	10	0	080	93.38

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with Glass Filled PVC Ring Fipt



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

855-030	3	10	0	080	96.05
855-040	4	5	0	080	174.64
855-060	6	1	4	080	274.64
855-060F	6	1	4	083	244.12
855-080	8	2	0	080	340.33
855-080F	8	1	2	083	302.88
855-100F	10	1	2	083	341.23

Van Stone Style Flange Replacement Split Rings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Application & Use of Van Stone Style Flange Replacement Split Rings



Designed for easy Van Stone style flange ring replacement in the event of system modification, repair, or improper assembly without having to remove existing flange hub. Split rings are made as a direct replacement of existing one-piece rings used on Spears® brand only of Van Stone style flanges with ANSI Class 150 bolt pattern plastic rings. Remove old ring to be replaced then simply place the split ring sections around hub and install flange bolts (not included) through special designed section overlap to hold in position. Install appropriate user supplied bolts, washers and gasket (see Flange Gasket and Bolt Hardware Kits in this catalog); torque to specifications according to normal flange assembly. Split rings are a set of either 2-pieces or 4-pieces (illustrated) sections depending on size, in regular PVC, Glass Filled PVC, or CPVC for flange type and sizes listed.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Glass Filled PVC Flange Replacement Split Rings (continued)

For Spears® flanges with Glass Filled PVC Rings

854-080-1S	8	4	0	080	216.41
854-100-1S	10	4	0	081	273.19
854-120-1S	12	2	0	081	338.61
854-140-1S	14	2	0	081	463.79
854-160-1S	16	1	0	081	576.16
854-180-1S	18	1	0	081	625.76

Fits 854-xxx Socket, 855-xxx Threaded, and 856-xxx Spigot hub configurations

PVC Flange Replacement Split Rings For Spears® flanges with regular PVC Rings



854P-005-1S	1/2	10	0	080	52.23
854P-007-1S	3/4	10	0	080	55.45
854P-010-1S	1	15	0	080	62.01
854P-012-1S	1-1/4	15	0	080	63.22
854P-015-1S	1-1/2	10	0	080	64.77
854P-020-1S	2	10	0	080	85.97
854P-025-1S	2-1/2	10	0	080	99.45
854P-030-1S	3	10	0	080	110.26
854P-040-1S	4	10	0	080	118.20
854P-050-1S	5	10	0	080	160.07
854P-060-1S	6	5	0	080	189.41
854P-080-1S	8	4	0	080	216.41
854P-100-1S	10	4	0	081	273.19
854P-120-1S	12	2	0	081	338.61
854P-140-1S	14	2	0	081	463.79
854P-160-1S	16	1	0	081	576.16
854P-180-1S	18	1	0	081	625.76
854P-200-1S	20	1	0	083	3321.26
854P-240-1S	24	1	0	083	4069.37

Fits 854-xxx Socket, 855-xxx Threaded, and 856-xxx Spigot hub configurations

Glass Filled PVC Flange Replacement Split Rings



For Spears® flanges with Glass Filled PVC Rings

854-030-1S	3	10	0	080	110.26
854-040-1S	4	10	0	080	118.20
854-050-1S	5	5	0	080	160.07
854-060-1S	6	5	0	080	189.41

Schedule 80 PVC Industrial Products & Accessories Flange Insulating Joints & Flange Bolt Kits



Flange Insulating Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Flange Insulating Joints - Class 150 Bolt Pattern

PP Flange Spacer with PVC Bolt Isolators

Size = Nominal Flange Diameter x Thickness (in.)

For Dielectric Insulation Between Dissimilar Metal Flanges

300 psi Maximum Internal Pressure Rating @ 73°F (23°C)

IJ-030-010P	3X1	1	0	016	437.66
IJ-040-010P	4X1	1	0	016	489.00
IJ-060-010P	6X1	1	0	016	581.23
IJ-080-010P	8X1	1	0	016	674.56
IJ-100-010P	10X1	1	0	016	1371.04
IJ-120-010P	12X1	1	0	016	1484.97
IJ-140-010P	14X1	1	0	016	1924.19
IJ-160-010P	16X1	1	0	016	2445.09
IJ-180-010P	18X1	1	0	016	3272.97
IJ-200-010P	20X1	1	0	016	4225.35
IJ-240-010P	24X1	1	0	016	5868.24



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Flange Insulating Joints - Class 300 Bolt Pattern

PP Flange Spacer with PVC Bolt Isolators

Size = Nominal Flange Diameter x Thickness (in.)

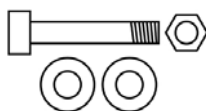
For Dielectric Insulation Between Dissimilar Metal Flanges

300 psi Maximum Internal Pressure Rating @ 73°F (23°C)

IJ300-030-010P	3X1	1	0	016	644.74
IJ300-040-010P	4X1	1	0	016	717.09
IJ300-060-010P	6X1	1	0	016	1098.37
IJ300-080-010P	8X1	1	0	016	1370.26
IJ300-100-010P	10X1	1	0	016	2273.20
IJ300-120-010P	12X1	1	0	016	2987.23
IJ300-140-010P	14X1	1	0	016	3763.17
IJ300-160-010P	16X1	1	0	016	4012.77
IJ300-180-010P	18X1	1	0	016	5015.00
IJ300-200-010P	20X1	1	0	016	5810.30
IJ300-240-010P	24X1	1	0	016	7134.02



Flange Bolt Kits Bolt Kit Selection Guide



Order Gaskets & Bolt Kits Separately

- Kit Contains All Bolts, Nuts, & Flat Washers for Specified Flange Size
- For Connecting Two (2) Mating Spears® Flanges
- Pre-coated, Anti-seize Lubricated Bolts
- Available in Zinc Coated Steel, Type 304 Stainless Steel or Type 316 Stainless Steel

Flange Size	Bolts ¹ Per Kit	Diameter (in.-TPI)	Length (in.)	Hardware Kit Part Number		
				Zinc	316 SS	304 SS
1/2 & 3/4	4	1/2-13	2	HK-005	HK1-005	HK2-005
1 & 1-1/4	4	1/2-13	2-1/4	HK-010	HK1-010	HK2-010
1-1/2	4	1/2-13	2-1/2	HK-015	HK1-015	HK2-015
2	4	5/8-11	3	HK-020	HK1-020	HK2-020
2-1/2	4	5/8-11	3-1/4	HK-025	HK1-025	HK2-025
3	4	5/8-11	3-1/2	HK-030	HK1-030	HK2-030
4	8	5/8-11	3-1/2	HK-040	HK1-040	HK2-040
5 & 6	8	3/4-10	4	HK-060	HK1-060	HK2-060
8	8	3/4-10	4-1/2	HK-080	HK1-080	HK2-080
10 & 12	12	7/8-9	5	HK-120	HK1-120	HK2-120

1 - Each Bolt includes Nut & two (2) Flat Washers

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Zinc Plated Steel Flange Bolt Hardware Kits

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK-005	1/2	1	10	017	9.53
HK-010	3/4 & 1	1	10	017	11.91
HK-015	1-1/4 & 1-1/2	1	10	017	17.91
HK-020	2	1	10	017	23.97
HK-025	2-1/2	1	10	017	28.74
HK-030	3	1	10	017	33.07
HK-040	4	1	5	017	68.51
HK-060	5 & 6	1	5	017	76.20
HK-080	8	1	0	017	89.30
HK-120	10 & 12	1	0	017	120.82



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Type 316 Stainless Steel Flange Bolt Hardware Kits (continued)

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK1-015	1-1/4 & 1-1/2	1	10	017	45.39
HK1-020	2	1	10	017	54.59
HK1-025	2-1/2	1	10	017	58.51
HK1-030	3	1	10	017	77.20
HK1-040	4	1	5	017	154.81
HK1-060	5 & 6	1	5	017	201.91
HK1-080	8	1	0	017	253.36
HK1-120	10 & 12	1	0	017	515.45

Type 304 Stainless Steel Flange Bolt Hardware Kits

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK2-005	1/2	1	10	017	25.02
HK2-010	3/4 & 1	1	10	017	35.69
HK2-015	1-1/4 & 1-1/2	1	10	017	42.05
HK2-020	2	1	10	017	49.46
HK2-025	2-1/2	1	10	017	52.44



Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 205



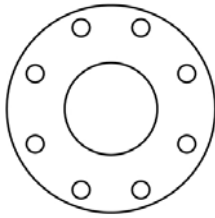
Schedule 80 PVC Industrial Products & Accessories Flange Bolt Kits & Full-Faced Flange Gaskets

Flange Bolt Kits

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Type 304 Stainless Steel Flange Bolt Hardware Kits (continued) For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers					
HK2-030	3	1	10	017	65.12
HK2-040	4	1	5	017	130.24
HK2-060	5 & 6	1	5	017	137.28

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Type 304 Stainless Steel Flange Bolt Hardware Kits (continued) For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers					
HK2-080	8	1	0	017	180.52
HK2-120	10 & 12	1	0	017	319.94

Full-Faced Flange Gaskets Gasket Selection Guide



Order Gaskets & Bolt Kits Separately

- 1/8" Full-Face design with ANSI Class 150 Bolt Patterns
- Pressure rated to 150 psi @ 73°F
- Available in Buna-N, EPDM, or Viton® (FKM)

Flange Size	Bolt Holes	Gasket Part Number		
		Buna-N	EPDM	FKM
1/2	4	GK1-005	GK2-005	GK3-005
3/4	4	GK1-007	GK2-007	GK3-007
1	4	GK1-010	GK2-010	GK3-010
1-1/4	4	GK1-012	GK2-012	GK3-012
1-1/2	4	GK1-015	GK2-015	GK3-015
2	4	GK1-020	GK2-020	GK3-020
2-1/2	4	GK1-025	GK2-025	GK3-025
3	4	GK1-030	GK2-030	GK3-030
4	8	GK1-040	GK2-040	GK3-040
5	8	GK1-050	GK2-050	GK3-050
6	8	GK1-060	GK2-060	GK3-060
8	8	GK1-080	GK2-080	GK3-080
10	12	GK1-100	GK2-100	GK3-100
12	12	GK1-120	GK2-120	GK3-120

Buna-N Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK1-005	1/2	1	25	017	3.06
GK1-007	3/4	1	25	017	3.51
GK1-010	1	1	25	017	3.61
GK1-012	1-1/4	1	25	017	3.70
GK1-015	1-1/2	1	25	017	3.97
GK1-020	2	1	25	017	4.44
GK1-025	2-1/2	1	25	017	4.88
GK1-030	3	1	25	017	7.51
GK1-040	4	1	25	017	8.40
GK1-050	5	1	25	017	9.96
GK1-060	6	1	25	017	10.23
GK1-080	8	1	25	017	13.49
GK1-100	10	1	25	017	17.12
GK1-120	12	1	25	017	23.09

Viton® (FKM) Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK3-005	1/2	1	25	017	14.49
GK3-007	3/4	1	25	017	17.20
GK3-010	1	1	25	017	19.01
GK3-012	1-1/4	1	5	017	21.46
GK3-015	1-1/2	1	25	017	27.07
GK3-020	2	1	25	017	37.84
GK3-025	2-1/2	1	25	017	50.61
GK3-030	3	1	25	017	113.09
GK3-040	4	1	25	017	130.55
GK3-050	5	1	25	017	152.19
GK3-060	6	1	25	017	172.66
GK3-080	8	1	25	017	245.99
GK3-100	10	1	25	017	327.20
GK3-120	12	1	25	017	461.02

EPDM Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK2-005	1/2	1	25	017	4.06
GK2-007	3/4	1	25	017	4.32
GK2-010	1	1	25	017	4.51
GK2-012	1-1/4	1	25	017	4.74
GK2-015	1-1/2	1	25	017	5.09
GK2-020	2	1	25	017	6.21
GK2-025	2-1/2	1	25	017	7.46
GK2-030	3	1	25	017	10.96
GK2-040	4	1	25	017	12.48
GK2-050	5	1	25	017	15.61
GK2-060	6	1	25	017	16.38
GK2-080	8	1	25	017	21.82
GK2-100	10	1	25	017	28.43
GK2-120	12	1	25	017	39.12

Schedule 80 PVC Industrial Products & Accessories Schedule 80 Repair Fittings & Compression Couplings



Schedule 80 Repair Fittings

Pipe Extenders

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Pipe O.D. Spigot x Pipe I.D. Spigot

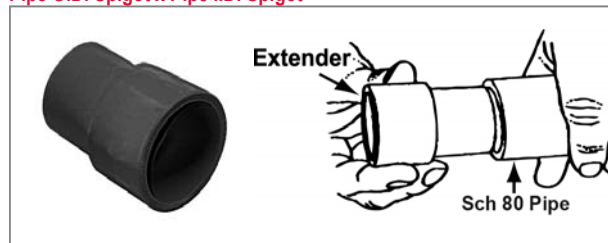
Fabricated, Non-Pressure Rated

S0801-20F	2	1	10	394	73.68
S0801-25F	2-1/2	1	8	394	85.26
S0801-30F	3	1	8	394	96.49
S0801-40F	4	1	12	394	104.60
S0801-60F	6	1	10	394	139.70
S0801-80F	8	1	2	394	150.81
S0801-100F	10	1	0	394	196.28
S0801-120F	12	1	0	394	275.67
S0801-140F	14	1	0	394	782.20
S0801-160F	16	1	0	394	915.44
S0801-180F	18	1	0	394	1201.55

Pipe Extenders (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Pipe O.D. Spigot x Pipe I.D. Spigot



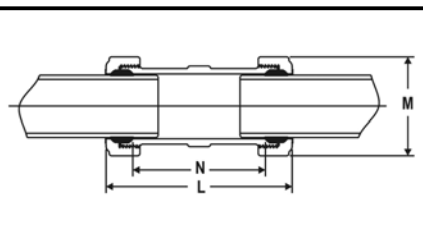
Compression Couplings



- Designed for Quick Connections, System Modifications or Repairs
- Completely Redesigned for Improved Versatility
- Easy-Thread Compression Nut
- New Spigot Conversion Capability
- Full Service 200 PSI Pressure Rating
- NSF® Certified for Potable Water Use

Basic Dimensions

Part Number	Size (in.)	L	M	N
S110-05G	1/2	5-3/16	1-3/16	3-3/8
S110-07G	3/4	5-7/16	2-1/16	3-9/16
S110-10G	1	5-11/16	2-7/16	3-3/4
S110-12G	1-1/4	6-1/4	2-15/16	4-1/8
S110-15G	1-1/2	6-1/2	3-5/16	4-5/8
S110-20G	2	7-1/8	3-3/4	5-1/16
S110-25G	2-1/2	8-11/16	4-11/16	5-7/8
S110-30G	3	9-1/2	5-1/2	6-3/16
S110-40G	4	11-5/16	6-3/4	7-3/8
S110-60G	6	11-5/8	9-5/16	7-9/16



N = Maximum allowable space between pipe ends.

NOTE: Decreasing distance between pipe ends improves stability and is recommended.

PVC Gray

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

EPDM Gasket

S110E-05G	1/2	28	0	024	4.37
S110E-07G	3/4	24	0	024	5.86
S110E-10G	1	15	0	024	7.56
S110E-12G	1-1/4	10	0	024	11.66
S110E-15G	1-1/2	16	0	024	12.04
S110E-20G	2	12	0	024	15.62
S110E-25G	2-1/2	6	0	024	29.41
S110E-30G	3	4	0	024	38.46
S110E-40G	4	4	0	024	63.27
S110E-60G	6	1	0	024	143.89

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-005	1/2	1	50	299	11.33
CCW-007	3/4	1	50	299	11.53
CCW-010	1	1	50	299	12.02

Made in the U.S.A.

Compression Coupling Nut Wrenches (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-012	1-1/4	1	50	299	13.60
CCW-015	1-1/2	1	50	299	14.67
CCW-020*	2	1	50	299	16.39
CCW-030**	3	1	25	299	20.16
CCW-060	6	8	0	299	30.32

* CCW-20 - Wrench also fits 2-1/2" Coupling Body

**CCW-30 - Wrench also fits 4" Coupling Body

Compression Coupling Nut Wrench Set

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-000	Set	1	50	299	94.70

Complete Set of Wrenches, Sizes 1/2 - 3

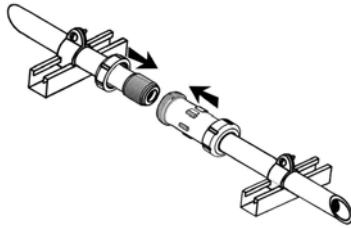
NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Schedule 80 PVC Industrial Products & Accessories Compression Couplings

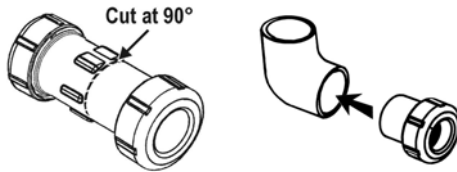
Easy Installation

Spears® Compression Couplings easily install by simply sliding nut over pipe, slip on gasket, then insert into body and tighten nuts.



Convert Fittings to Compression Outlet

Socket-type fittings 3/4" through 3" can be easily converted to compression outlet sizes 1/2" through 2-1/2" by simply cutting the Compression Coupling at the center holding ribs and solvent welding the spigot body into a fitting socket.



Compression Coupling Size (in.)	Body Spigot Size (in.)
1/2	3/4
3/4	1
1	1-1/4
1-1/4	1-1/2
1-1/2	2
2	2-1/2
2-1/2	3

Important Installation Note

WARNING: The compression joints provide a positive seal but do not restrain pipe from thrusts and movement under pressure. Use of compression joint requires blocking connecting pipe to prevent any movement. Failure to do so can result in system failure or severe personal injury. Use in cold water/fluid applications only.

Schedule 80 PVC Industrial Products & Accessories Gauge Guards



Connections use Spears® Patented Special Reinforced (SR)
Female Threads on Pressure Inlet (1/4" or 1/2")

Pressure Rating
235 psi @ 73°F
16 BAR @ 22°C
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply
Rated for Full Vacuum Service

Gauge Guards are pre-filled with glycerin-water
on units with Factory Installed Gauges.
"No Gauge" units are to be filled by end user.

PVC GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
PTFE Diaphragm					
No Gauge	G0004-002 98.64	G0004-005 98.64	1	18	624
0-30 in-Hg	G30V4-002 166.52	G30V4-005 166.52	1	18	624
0-15 psi	G0154-002 157.41	G0154-005 157.41	1	18	624
0-30 psi	G0304-002 157.41	G0304-005 157.41	1	18	624
0-60 psi	G0604-002 157.41	G0604-005 157.41	1	18	624
0-100 psi	G1004-002 157.41	G1004-005 157.41	1	18	624
0-160 psi	G1604-002 157.41	G1604-005 157.41	1	18	624
0-200 psi	G2004-002 157.41	G2004-005 157.41	1	18	624
0-300 psi	G3004-002 157.41	G3004-005 157.41	1	18	624

Viton® Diaphragm

No Gauge	G0003-002 98.64	G0003-005 98.64	1	18	624
0-30 in-Hg	G30V3-002 166.52	G30V3-005 166.52	1	18	624
0-15 psi	G0153-002 157.41	G0153-005 157.41	1	18	624
0-30 psi	G0303-002 157.41	G0303-005 157.41	1	18	624
0-60 psi	G0603-002 157.41	G0603-005 157.41	1	18	624
0-100 psi	G1003-002 157.41	G1003-005 157.41	1	18	624
0-160 psi	G1603-002 157.41	G1603-005 157.41	1	18	624
0-200 psi	G2003-002 157.41	G2003-005 157.41	1	18	624
0-300 psi	G3003-002 157.41	G3003-005 157.41	1	18	624

EPDM Diaphragm

No Gauge	G0002-002 94.65	G0002-005 94.65	1	18	624
0-30 in-Hg	G30V2-002 159.83	G30V2-005 159.83	1	18	624
0-15 psi	G0152-002 151.16	G0152-005 151.16	1	18	624
0-30 psi	G0302-002 151.16	G0302-005 151.16	1	18	624
0-60 psi	G0602-002 151.16	G0602-005 151.16	1	18	624
0-100 psi	G1002-002 151.16	G1002-005 151.16	1	18	624
0-160 psi	G1602-002 151.16	G1602-005 151.16	1	18	624
0-200 psi	G2002-002 151.16	G2002-005 151.16	1	18	624

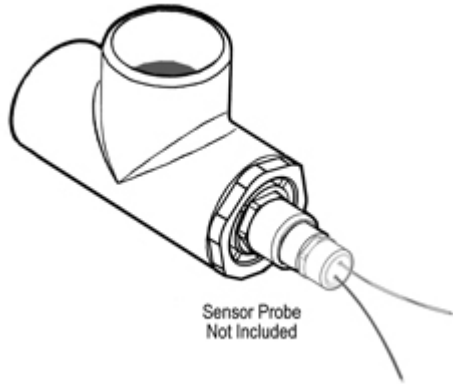
PVC GAUGE GUARDS (continued)

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
EPDM Diaphragm					
0-300 psi	G3002-002 151.16	G3002-005 151.16	1	18	624



Schedule 80 PVC Industrial Products & Accessories

Gauge & Instrument Fittings Schedule 80 Specialty Fittings for Sensor Probes



Use with a wide variety of commercial sensor probes including pressure, temperature, pH, ORP (REDOX), Conductivity, Dissolved Oxygen and other specialty electrodes that are used in industrial, municipal water, wastewater treatment, solid landfills, chemical manufacturing, electroplating, boilers and cooling towers, pulp and paper, DI water skids, pool & spa and other OEM applications. Features Spears® patented Special Reinforced (SR) female plastic thread connection that eliminates splitting from inadvertent over tightening.

- Centers Probe in Fluid Stream
- Suitable for Horizontal or Vertical Installations
- Available in 1/2" Through 8" Tee Configuration with 1/2", 3/4" or 1" NPT Connection

PVC Instrument Probe Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced

803-005SR	1/2	25	0	086	6.76
803-095SR	3/4X1/2X3/4	15	0	086	12.53
803-007SR	3/4	15	0	086	10.71
803-113SR	1X1/4X1	15	0	086	29.38
803-122SR	1X1/2X1	15	0	086	11.50
803-126SR	1X3/4X1	15	0	086	16.10
803-010SR	1	15	0	086	12.55
803-142SR	1-1/4X1/2X1-1/4	10	0	086	19.87
803-149SR	1-1/4X3/4X1-1/4	10	0	086	20.10
803-159SR	1-1/4X1X1-1/4	10	0	086	20.73
803-177SR	1-1/2X1/2X1-1/2	10	0	086	22.73
803-188SR	1-1/2X3/4X1-1/2	10	0	086	23.19
803-197SR	1-1/2X1X1-1/2	10	0	086	24.14
803-221SR	2X1/2X2	10	0	086	32.33
803-227SR	2X3/4X2	15	0	086	33.83
803-233SR	2X1X2	4	0	086	34.76
803-333SR	3X1/2X3	5	0	086	48.33
803-334SR	3X3/4X3	5	0	086	49.90
803-335SR	3X1X3	5	0	086	51.27
803-415SR	4X1/2X4	4	0	086	75.15
803-416SR	4X3/4X4	4	0	086	78.30
803-417SR	4X1X4	4	0	086	80.85
803-523SR	6X1/2X6	2	0	086	154.62
803-524SR	6X3/4X6	2	0	086	159.39
803-525SR	6X1X6	2	0	086	161.98
803-573SR	8X1/2X8	1	0	086	318.32
803-574SR	8X3/4X8	1	0	086	323.10
803-575SR	8X1X8	1	0	086	327.52

Schedule 80 PVC Industrial Products & Accessories True Union 2000 Industrial Ball Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 4" 235 psi
6" - 8" 150 psi
All Flanged 150 psi



SR Threaded Style

Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service



6" Lever Handle Style

Note: Standard 6" Valve uses lockout type Lever-Style Handle for proper leverage. Non-locking T-Handle is more compact, but will increase difficulty of operation.
True Union 2000 Industrial Ball Valves have Built-in Handle Lockouts (except 6" T-Handle Option)
All Valves Assembled with Silicone-Free, Water Soluble Lubricant
Contact Spears® for Pricing on Custom Elastomer Seals
See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded & Socket Ends					
1/2	1829-005 47.21	1839-005 52.51	1	18	600
3/4	1829-007 55.86	1839-007 62.14	1	18	600
1	1829-010 66.52	1839-010 74.09	1	12	600
1-1/4	1829-012 92.02	1839-012 117.46	1	8	600
1-1/2	1829-015 110.84	1839-015 123.04	1	8	600
2	1829-020 146.26	1839-020 161.06	1	4	600

Socket Ends

2-1/2	1822-025 281.15	1832-025 380.96	1	0	601
3	1822-030 370.67	1832-030 411.86	1	0	601
4	1822-040 626.28	1832-040 695.87	1	0	601
6	1822-060 1352.89	1832-060 1501.36	1	0	612
8	1822-080 1799.35	1832-080 1996.81	1	0	612

8" Venturied valves are 6" ball valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	1821-025 281.15	1831-025 380.96	1	0	601
3	1821-030 370.67	1831-030 411.86	1	0	601
4	1821-040 626.28	1831-040 695.87	1	0	601
6	1821-060 1352.89	1831-060 1501.36	1	0	612

SR Threaded Ends

1/2	1821-005SR 48.21	1831-005SR 53.54	1	18	600
3/4	1821-007SR 58.29	1831-007SR 64.60	1	18	600
1	1821-010SR 68.96	1831-010SR 76.53	1	12	600
1-1/4	1821-012SR 99.35	1831-012SR 124.80	1	8	600
1-1/2	1821-015SR 118.73	1831-015SR 130.93	1	8	600
2	1821-020SR 154.80	1831-020SR 169.44	1	4	600
2-1/2	1821-025SR 304.12	1831-025SR 403.90	1	0	601
3	1821-030SR 393.65	1831-030SR 434.83	1	0	601
4	1821-040SR 653.10	1831-040SR 722.69	1	0	601
6	1821-060SR 1391.15	1831-060SR 1539.60	1	0	612

PVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Spigot Ends					
1/2	1827-005 47.21	1837-005 52.51	1	18	600
3/4	1827-007 55.86	1837-007 62.14	1	18	600
1	1827-010 66.52	1837-010 74.09	1	12	600
1-1/4	1827-012 92.02	1837-012 117.46	1	8	600
1-1/2	1827-015 110.84	1837-015 123.04	1	8	600
2	1827-020 146.26	1837-020 161.06	1	4	600
2-1/2	1827-025 281.15	1837-025 380.96	1	0	601
3	1827-030 370.67	1837-030 411.86	1	0	601
4	1827-040 626.28	1837-040 695.87	1	0	601
6	1827-060 1352.89	1837-060 1501.36	1	0	612

Flanged Ends

1/2	1823-005 67.53	1833-005 72.02	1	8	600
3/4	1823-007 85.54	1833-007 93.05	1	8	600
1	1823-010 103.53	1833-010 111.35	1	8	600
1-1/4	1823-012 121.57	1833-012 135.06	1	8	600
1-1/2	1823-015 153.10	1833-015 166.59	1	4	600
2	1823-020 243.78	1833-020 258.56	1	0	600
2-1/2	1823-025 450.21	1833-025 457.66	1	0	601
3	1823-030 497.62	1833-030 617.83	1	0	601
4	1823-040 1000.54	1833-040 1159.79	1	0	601
6	1823-060 2130.35	1833-060 2470.10	1	0	612
8	1823-080 2833.36	1833-080 3285.23	1	0	612

8" Venturied valves are 6" ball valves fitted with 6x8 end connector adapters.

PVC 6" Industrial T-Handle Valve Option (Non-Locking)

NOTICE: T-Handle is more compact, but will greatly increase difficulty of operation.

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
6	18226-060 1352.89	18326-060 1501.36	1	0	612



Schedule 80 PVC Industrial Products & Accessories
True Union 2000 Industrial Ball Valves & True Union 2000 Industrial Vented/Bleach Ball Valves

True Union 2000 Industrial Ball Valves

PVC 6" Industrial T-Handle Valve Option (Non-Locking)

NOTICE: T-Handle is more compact, but will greatly increase difficulty of operation.

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends					
6	18216-060 1352.89	18316-060 1501.36	1	0	612
SR Threaded Ends					
6	18216-060SR 1391.15	18316-060SR 1539.60	1	0	612
Flanged Ends					
6	18236-060 2130.35	18336-060 2470.10	1	0	612

True Union 2000 Industrial Vented/Bleach Ball Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" 235 psi
 6" 150 psi
 Flanged 150 psi

Same True Union 2000 Industrial Ball Valve with Special Ball Vent Design for Sodium Hypochlorite (Bleach) and other Chemical Applications where entrapped fluids may form caustic crystalline residues and pressure build up from gases developed. Valve has a 1/8" vent hole in ball to equalize internal fluid pressures. Install valve with ball vent on the pressure (upstream) side when in closed position.

All Valves assembled with Silicone-Free, Water Soluble Lubricant

Contact Spears® for Pricing & Availability on Custom Elastomer Seals. See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC True Union 2000 Industrial Vented/Bleach Ball Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded & Socket Ends					
1/2	1829V-005 55.53	1839V-005 61.81	1	18	600
3/4	1829V-007 65.71	1839V-007 73.09	1	18	600
1	1829V-010 78.27	1839V-010 87.16	1	12	600
1-1/4	1829V-012 108.27	1839V-012 138.18	1	8	600
1-1/2	1829V-015 130.39	1839V-015 144.76	1	8	600
2	1829V-020 172.06	1839V-020 189.49	1	4	600

Socket Ends

2-1/2	1822V-025 330.76	1832V-025 448.17	1	0	601
3	1822V-030 370.67	1832V-030 484.53	1	0	601
4	1822V-040 626.28	1832V-040 818.66	1	0	601
6	1822V-060 1591.65	1832V-060 1876.69	1	0	612

SR Threaded Ends

1/2	1821V-005SR 56.73	1831V-005SR 63.00	1	18	600
3/4	1821V-007SR 68.57	1831V-007SR 75.99	1	18	600
1	1821V-010SR 81.14	1831V-010SR 90.05	1	12	600
1-1/4	1821V-012SR 116.89	1831V-012SR 146.81	1	8	600
1-1/2	1821V-015SR 139.69	1831V-015SR 154.05	1	8	600
2	1821V-020SR 182.12	1831V-020SR 199.33	1	4	600

PVC True Union 2000 Industrial Vented/Bleach Ball Valves (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
SR Threaded Ends					
2-1/2	1821V-025SR 357.79	1831V-025SR 475.18	1	0	601
3	1821V-030SR 463.13	1831V-030SR 511.56	1	0	601
4	1821V-040SR 768.34	1831V-040SR 850.23	1	0	601

Flanged Ends

1/2	1823V-005 79.57	1833V-005 85.00	1	8	600
3/4	1823V-007 100.65	1833V-007 109.46	1	8	600
1	1823V-010 121.80	1833V-010 130.98	1	8	600
1-1/4	1823V-012 143.03	1833V-012 195.97	1	8	600
1-1/2	1823V-015 180.12	1833V-015 195.97	1	4	600
2	1823V-020 286.80	1833V-020 304.19	1	0	600
2-1/2	1823V-025 529.66	1833V-025 538.41	1	0	601
3	1823V-030 585.43	1833V-030 726.84	1	0	601
4	1823V-040 1177.11	1833V-040 1364.47	1	0	601
6	1823V-060 2506.31	1833V-060 2906.00	1	0	612

Schedule 80 PVC Industrial Products & Accessories True Union 2000 Industrial 3-Way Ball Valves



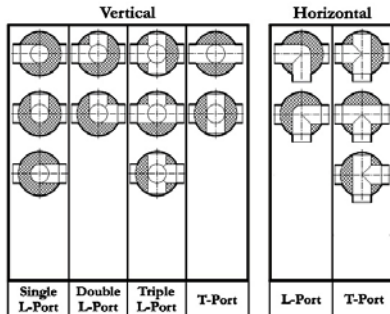
Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 2-1/2" - 4" 150 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply
 Vertical 3-Way or Horizontal Diverter Design
 (No Branch Shut-off)

All Standard Carton Quantities are one
 All Valves assembled with Silicone-Free,
 Water Soluble Lubricant

See Ball Valve Accessories & Repair Kits Section
 for Additional Options and Features

Ball Port Options



Ball port options viewed from top of valve



Horizontal Diverter Valve



Vertical 3-Way Valve

PVC Horizontal Diverter Ball Valves

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	L-Port	5022L1-005 97.41	5021L1-005SR 100.56	5027L1-005 97.41	5023L1-005 198.96	5032L1-005 105.66	5031L1-005SR 110.43	5037L1-005 105.66	5033L1-005 207.85	615
	T-Port	5022T1-005 97.41	5021T1-005SR 100.56	5027T1-005 97.41	5023T1-005 198.96	5032T1-005 105.66	5031T1-005SR 110.43	5037T1-005 105.66	5033T1-005 207.85	615
3/4	L-Port	5022L1-007 116.18	5021L1-007SR 120.04	5027L1-007 116.18	5023L1-007 208.17	5032L1-007 125.05	5031L1-007SR 128.94	5037L1-007 125.05	5033L1-007 219.68	615
	T-Port	5022T1-007 116.18	5021T1-007SR 120.04	5027T1-007 116.18	5023T1-007 208.17	5032T1-007 125.05	5031T1-007SR 128.94	5037T1-007 125.05	5033T1-007 219.68	615
1	L-Port	5022L1-010 140.86	5021L1-010SR 144.65	5027L1-010 140.86	5023L1-010 296.70	5032L1-010 155.18	5031L1-010SR 159.03	5037L1-010 155.18	5033L1-010 324.35	615
	T-Port	5022T1-010 140.86	5021T1-010SR 144.65	5027T1-010 140.86	5023T1-010 296.70	5032T1-010 155.18	5031T1-010SR 159.03	5037T1-010 155.18	5033T1-010 324.35	615
1-1/4	L-Port	5022L1-012 163.27	5021L1-012SR 170.65	5027L1-012 163.27	5023L1-012 561.16	5032L1-012 183.65	5031L1-012SR 191.37	5037L1-012 183.65	5033L1-012 594.39	615
	T-Port	5022T1-012 163.27	5021T1-012SR 170.65	5027T1-012 163.27	5023T1-012 561.16	5032T1-012 183.65	5031T1-012SR 191.37	5037T1-012 183.65	5033T1-012 594.39	615
1-1/2	L-Port	5022L1-015 190.90	5021L1-015SR 203.24	5027L1-015 190.90	5023L1-015 578.10	5032L1-015 209.00	5031L1-015SR 221.33	5037L1-015 209.00	5033L1-015 604.60	615
	T-Port	5022T1-015 190.90	5021T1-015SR 203.24	5027T1-015 190.90	5023T1-015 578.10	5032T1-015 209.00	5031T1-015SR 221.33	5037T1-015 209.00	5033T1-015 604.60	615
2	L-Port	5022L1-020 234.18	5021L1-020SR 246.51	5027L1-020 234.18	5023L1-020 750.72	5032L1-020 273.02	5031L1-020SR 286.41	5037L1-020 273.02	5033L1-020 788.41	615
	T-Port	5022T1-020 234.18	5021T1-020SR 246.51	5027T1-020 234.18	5023T1-020 750.72	5032T1-020 273.02	5031T1-020SR 286.41	5037T1-020 273.02	5033T1-020 788.41	615
2-1/2	L-Port	5022L1-025 789.56	5021L1-025SR 824.12	5027L1-025 789.56	5023L1-025 1318.14	5032L1-025 839.60	5031L1-025SR 874.14	5037L1-025 839.60	5033L1-025 1544.72	615
	T-Port	5022T1-025 789.56	5021T1-025SR 824.12	5027T1-025 789.56	5023T1-025 1318.14	5032T1-025 839.60	5031T1-025SR 874.14	5037T1-025 839.60	5033T1-025 1544.72	615
3	L-Port	5022L1-030 805.69	5021L1-030SR 841.90	5027L1-030 805.69	5023L1-030 1335.43	5032L1-030 852.76	5031L1-030SR 887.30	5037L1-030 852.76	5033L1-030 1551.81	615
	T-Port	5022T1-030 805.69	5021T1-030SR 841.90	5027T1-030 805.69	5023T1-030 1335.43	5032T1-030 852.76	5031T1-030SR 887.30	5037T1-030 852.76	5033T1-030 1551.81	615
4	L-Port	5022L1-040 1459.17	5021L1-040SR 1498.68	5027L1-040 1459.17	5023L1-040 1940.18	5032L1-040 1475.63	5031L1-040SR 1515.13	5037L1-040 1475.63	5033L1-040 2120.71	615
	T-Port	5022T1-040 1459.17	5021T1-040SR 1498.68	5027T1-040 1459.17	5023T1-040 1940.18	5032T1-040 1475.63	5031T1-040SR 1515.13	5037T1-040 1475.63	5033T1-040 2120.71	615

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
 Progressive Products from Spears® Innovation and Technology

Page 213



Schedule 80 PVC Industrial Products & Accessories True Union 2000 Industrial 3-Way Ball Valves

PVC Vertical 3-Way Ball Valves

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	L-Port	4722L1-005 96.93	4721L1-005SR 98.47	4727L1-005 96.93	4723L1-005 200.29	4732L1-005 104.98	4731L1-005SR 106.54	4737L1-005 104.98	4733L1-005 207.51	615
	Double L-Port	4722L2-005 193.04	4721L2-005SR 194.59	4727L2-005 193.04	4723L2-005 296.39	4732L2-005 201.10	4731L2-005SR 202.66	4737L2-005 201.10	4733L2-005 303.62	615
	Triple L-Port	4722L3-005 193.04	4721L3-005SR 194.59	4727L3-005 193.04	4723L3-005 296.39	4732L3-005 201.10	4731L3-005SR 202.66	4737L3-005 201.10	4733L3-005 303.62	615
	T-Port	4722T1-005 96.93	4721T1-005SR 98.47	4727T1-005 96.93	4723T1-005 200.29	4732T1-005 104.98	4731T1-005SR 106.54	4737T1-005 104.98	4733T1-005 207.51	615
3/4	L-Port	4722L1-007 113.70	4721L1-007SR 117.59	4727L1-007 113.70	4723L1-007 210.31	4732L1-007 123.91	4731L1-007SR 127.77	4737L1-007 123.91	4733L1-007 219.20	615
	Double L-Port	4722L2-007 209.82	4721L2-007SR 213.67	4727L2-007 209.82	4723L2-007 306.43	4732L2-007 220.02	4731L2-007SR 223.88	4737L2-007 220.02	4733L2-007 315.30	615
	Triple L-Port	4722L3-007 209.82	4721L3-007SR 213.67	4727L3-007 209.82	4723L3-007 306.43	4732L3-007 220.02	4731L3-007SR 223.88	4737L3-007 220.02	4733L3-007 315.30	615
	T-Port	4722T1-007 113.70	4721T1-007SR 117.59	4727T1-007 113.70	4723T1-007 210.31	4732T1-007 123.91	4731T1-007SR 127.77	4737T1-007 123.91	4733T1-007 219.20	615
1	L-Port	4722L1-010 138.22	4721L1-010SR 142.10	4727L1-010 138.22	4723L1-010 299.99	4732L1-010 153.88	4731L1-010SR 157.73	4737L1-010 153.88	4733L1-010 324.68	615
	Double L-Port	4722L2-010 234.36	4721L2-010SR 238.22	4727L2-010 234.36	4723L2-010 396.11	4732L2-010 249.96	4731L2-010SR 253.84	4737L2-010 249.96	4733L2-010 420.79	615
	Triple L-Port	4722L3-010 234.36	4721L3-010SR 238.22	4727L3-010 234.36	4723L3-010 396.11	4732L3-010 249.96	4731L3-010SR 253.84	4737L3-010 249.96	4733L3-010 420.79	615
	T-Port	4722T1-010 138.22	4721T1-010SR 142.10	4727T1-010 138.22	4723T1-010 299.99	4732T1-010 153.88	4731T1-010SR 157.73	4737T1-010 153.88	4733T1-010 324.68	615
1-1/4	L-Port	4722L1-012 167.19	4721L1-012SR 174.94	4727L1-012 167.19	4723L1-012 565.44	4732L1-012 196.99	4731L1-012SR 204.72	4737L1-012 196.99	4733L1-012 598.01	615
	Double L-Port	4722L2-012 263.31	4721L2-012SR 271.04	4727L2-012 263.31	4723L2-012 661.54	4732L2-012 293.10	4731L2-012SR 300.82	4737L2-012 293.10	4733L2-012 694.13	615
	Triple L-Port	4722L3-012 263.31	4721L3-012SR 271.04	4727L3-012 263.31	4723L3-012 661.54	4732L3-012 293.10	4731L3-012SR 300.82	4737L3-012 293.10	4733L3-012 694.13	615
	T-Port	4722T1-012 167.19	4721T1-012SR 174.94	4727T1-012 167.19	4723T1-012 565.44	4732T1-012 196.99	4731T1-012SR 204.72	4737T1-012 196.99	4733T1-012 598.01	615
1-1/2	L-Port	4722L1-015 193.34	4721L1-015SR 205.71	4727L1-015 193.34	4723L1-015 586.51	4732L1-015 211.95	4731L1-015SR 224.30	4737L1-015 211.95	4733L1-015 604.60	615
	Double L-Port	4722L2-015 289.47	4721L2-015SR 301.80	4727L2-015 289.47	4723L2-015 682.60	4732L2-015 308.05	4731L2-015SR 320.40	4737L2-015 308.05	4733L2-015 700.70	615
	Triple L-Port	4722L3-015 289.47	4721L3-015SR 301.80	4727L3-015 289.47	4723L3-015 682.60	4732L3-015 308.05	4731L3-015SR 320.40	4737L3-015 308.05	4733L3-015 700.70	615
	T-Port	4722T1-015 193.34	4721T1-015SR 205.71	4727T1-015 193.34	4723T1-015 586.51	4732T1-015 211.95	4731T1-015SR 224.30	4737T1-015 211.95	4733T1-015 604.60	615
2	L-Port	4722L1-020 237.13	4721L1-020SR 250.54	4727L1-020 237.13	4723L1-020 755.82	4732L1-020 275.32	4731L1-020SR 288.72	4737L1-020 275.32	4733L1-020 789.26	615
	Double L-Port	4722L2-020 333.22	4721L2-020SR 346.66	4727L2-020 333.22	4723L2-020 851.94	4732L2-020 371.43	4731L2-020SR 384.82	4737L2-020 371.43	4733L2-020 885.33	615
	Triple L-Port	4722L3-020 333.22	4721L3-020SR 346.66	4727L3-020 333.22	4723L3-020 851.94	4732L3-020 371.43	4731L3-020SR 384.82	4737L3-020 371.43	4733L3-020 885.33	615
	T-Port	4722T1-020 237.13	4721T1-020SR 250.54	4727T1-020 237.13	4723T1-020 755.82	4732T1-020 275.32	4731T1-020SR 288.72	4737T1-020 275.32	4733T1-020 789.26	615
2-1/2	L-Port	4722L1-025 834.01	4721L1-025SR 868.57	4727L1-025 834.01	4723L1-025 1323.90	4732L1-025 843.39	4731L1-025SR 877.96	4737L1-025 843.39	4733L1-025 1542.93	615
	Double L-Port	4722L2-025 930.10	4721L2-025SR 964.66	4727L2-025 930.10	4723L2-025 1420.01	4732L2-025 939.49	4731L2-025SR 974.04	4737L2-025 939.49	4733L2-025 1639.04	615
	Triple L-Port	4722L3-025 930.10	4721L3-025SR 964.66	4727L3-025 930.10	4723L3-025 1420.01	4732L3-025 939.49	4731L3-025SR 974.04	4737L3-025 939.49	4733L3-025 1639.04	615
	T-Port	4722T1-025 834.01	4721T1-025SR 868.57	4727T1-025 834.01	4723T1-025 1323.90	4732T1-025 843.39	4731T1-025SR 877.96	4737T1-025 843.39	4733T1-025 1542.93	615
3	L-Port	4722L1-030 851.11	4721L1-030SR 885.67	4727L1-030 851.11	4723L1-030 1342.16	4732L1-030 858.68	4731L1-030SR 893.24	4737L1-030 858.68	4733L1-030 1553.15	615
	Double L-Port	4722L2-030 947.22	4721L2-030SR 981.79	4727L2-030 947.22	4723L2-030 1438.28	4732L2-030 954.80	4731L2-030SR 989.34	4737L2-030 954.80	4733L2-030 1649.24	615
	Triple L-Port	4722L3-030 947.22	4721L3-030SR 981.79	4727L3-030 947.22	4723L3-030 1438.28	4732L3-030 954.80	4731L3-030SR 989.34	4737L3-030 954.80	4733L3-030 1649.24	615
	T-Port	4722T1-030 851.11	4721T1-030SR 885.67	4727T1-030 851.11	4723T1-030 1342.16	4732T1-030 858.68	4731T1-030SR 893.24	4737T1-030 858.68	4733T1-030 1553.15	615
4	L-Port	4722L1-040 1471.18	4721L1-040SR 1510.67	4727L1-040 1471.18	4723L1-040 1951.21	4732L1-040 1485.50	4731L1-040SR 1524.99	4737L1-040 1485.50	4733L1-040 2043.69	615
	Double L-Port	4722L2-040 1567.31	4721L2-040SR 1606.77	4727L2-040 1567.31	4723L2-040 2047.32	4732L2-040 1581.61	4731L2-040SR 1621.11	4737L2-040 1581.61	4733L2-040 2139.80	615
	Triple L-Port	4722L3-040 1567.31	4721L3-040SR 1606.77	4727L3-040 1567.31	4723L3-040 2047.32	4732L3-040 1581.61	4731L3-040SR 1621.11	4737L3-040 1581.61	4733L3-040 2139.80	615
	T-Port	4722T1-040 1471.18	4721T1-040SR 1510.67	4727T1-040 1471.18	4723T1-040 1951.21	4732T1-040 1485.50	4731T1-040SR 1524.99	4737T1-040 1485.50	4733T1-040 2043.69	615

Schedule 80 PVC Industrial Products & Accessories Tee-Style "Zero Dead-Leg" Ball Valves



Valves are produced to order in Ball Valve sizes 1/2" - 2". Tee Valves can be custom produced in any standard Tee and Valve size combination.

Pressure Rating @ 73°F (23°C), Water
Valve Sizes 1/2" - 2" (20mm - 63mm) = 235 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply

Additional Notes

The Tee Valve is assembled with socket end connector. Tee Valves are a non-stock configuration. All orders are non-cancelable, non-returnable.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
1/2	182901-005 155.03	183901-005 167.01	1	12	263
3/4	182901-007 169.43	183901-007 183.15	1	8	263
1	182901-010 172.62	183901-010 193.22	1	8	263
2	182901-020 286.10	183901-020 334.03	1	0	263
3/4X1/2	182901-101 157.61	183901-101 169.56	1	12	263
1X1/2	182901-130 162.79	183901-130 174.79	1	8	263
1X3/4	182901-131 172.62	183901-131 193.22	1	8	263
1-1/4X1/2	182901-166 171.52	183901-166 183.49	1	8	263
1-1/4X3/4	182901-167 175.81	183901-167 189.55	1	8	263
1-1/4X1	182901-168 187.83	183901-168 208.45	1	8	263
1-1/2X1/2	182901-209 171.52	183901-209 183.51	1	8	263
1-1/2X3/4	182901-210 175.81	183901-210 189.55	1	8	263
1-1/2X1	182901-211 187.83	183901-211 208.45	1	8	263
2X1/2	182901-247 221.81	183901-247 233.86	1	8	263
2X3/4	182901-248 228.37	183901-248 242.06	1	8	263
2X1	182901-249 238.11	183901-249 258.73	1	8	263
2X1-1/2	182901-251 293.79	183901-251 319.52	1	8	263
3X1/2	182901-333 226.32	183901-333 238.31	1	0	263
3X1	182901-335 242.50	183901-335 263.11	1	4	263
3X1-1/2	182901-337 278.22	183901-337 303.97	1	0	263
3X2	182901-338 302.52	183901-338 350.47	1	0	263
4X1	182901-417 280.31	183901-417 300.91	1	0	263
4X1-1/2	182901-419 316.05	183901-419 341.78	1	0	263
4X2	182901-420 372.73	183901-420 420.69	1	0	263
6X2	182901-528 438.20	183901-528 486.16	1	0	263
8X2	182901-578 668.62	183901-578 716.59	1	0	263

PVC Metric

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
20	182901M-020 155.03	183901M-020 167.01	1	8	263

PVC Metric (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
25	182901M-025 169.43	183901M-025 183.15	1	8	263
32	182901M-032 172.62	183901M-032 193.22	1	8	263
40	182901M-040 239.86	183901M-040 257.20	1	8	263
50	182901M-050 251.13	183901M-050 325.54	1	8	263
63	182901M-063 286.10	183901M-063 334.03	1	8	263



Schedule 80 PVC Industrial Products & Accessories True Union 2000 Standard Ball Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" = 235 psi
 2-1/2" - 4" = 150 psi
 Flanged = 150 psi

Maximum Service Temperature
 PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply
 All Valves Assembled with Silicone-Free, Water Soluble Lubricant
 See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC Standard

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	3629-005 37.78	3639-005 42.02	1	18	608
3/4	3629-007 44.68	3639-007 49.70	1	18	608
1	3629-010 53.22	3639-010 59.28	1	12	608
1-1/4	3629-012 73.61	3639-012 93.96	1	8	608
1-1/2	3629-015 88.68	3639-015 98.44	1	8	608
2	3629-020 117.02	3639-020 128.84	1	4	608

Socket Ends

2-1/2	3622-025 224.15	3632-025 304.76	1	0	609
3	3622-030 296.53	3632-030 329.47	1	0	609
4	3622-040 500.87	3632-040 556.71	1	0	609

Threaded Ends

2-1/2	3621-025 224.15	3631-025 304.76	1	0	609
3	3621-030 296.53	3631-030 329.47	1	0	609
4	3621-040 500.87	3631-040 556.71	1	0	609

SR Threaded Ends

1/2	3621-005SR 38.60	3631-005SR 42.83	1	18	608
3/4	3621-007SR 46.61	3631-007SR 51.67	1	18	608
1	3621-010SR 55.16	3631-010SR 61.22	1	18	608
1-1/4	3621-012SR 79.49	3631-012SR 99.83	1	12	608
1-1/2	3621-015SR 94.98	3631-015SR 104.73	1	8	608
2	3621-020SR 123.83	3631-020SR 135.67	1	8	608
2-1/2	3621-025SR 243.30	3631-025SR 323.13	1	0	609
3	3621-030SR 314.94	3631-030SR 347.86	1	0	609
4	3621-040SR 522.50	3631-040SR 578.17	1	0	609

Spigot Ends

1/2	3627-005 37.78	3637-005 42.02	1	18	608
3/4	3627-007 44.68	3637-007 49.70	1	18	608
1	3627-010 53.22	3637-010 59.28	1	12	608
1-1/4	3627-012 73.61	3637-012 93.96	1	12	608
1-1/2	3627-015 88.68	3637-015 98.44	1	8	608

PVC Standard (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Spigot Ends

2	3627-020 117.02	3637-020 128.84	1	8	608
2-1/2	3627-025 224.90	3637-025 304.76	1	0	609
3	3627-030 296.53	3637-030 329.47	1	0	609
4	3627-040 500.87	3637-040 556.71	1	0	609

Flanged Ends

1/2	3623-005 54.03	3633-005 57.62	1	8	608
3/4	3623-007 68.45	3633-007 74.44	1	8	608
1	3623-010 82.82	3633-010 89.06	1	8	608
1-1/4	3623-012 97.23	3633-012 108.07	1	4	608
1-1/2	3623-015 122.48	3633-015 133.28	1	4	608
2	3623-020 195.02	3633-020 206.85	1	0	608
2-1/2	3623-025 360.18	3633-025 366.14	1	0	609
3	3623-030 373.23	3633-030 494.27	1	0	609
4	3623-040 800.44	3633-040 927.83	1	0	609

Schedule 80 PVC Industrial Products & Accessories
True Union 2000 Industrial Retrofit Ball Valves - Replaces Other Brand Valves



Industrial Valve

Complete universal replacement valve for domestic and import PVC valve. See separate catalog listing for retrofit replacement of older Spears® valves.

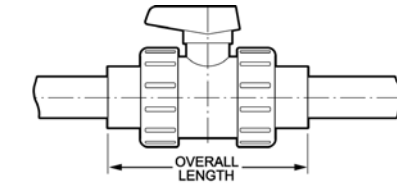
Retrofit valve consists of Spears® Industrial True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" = 235 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Suitable for Vacuum Service

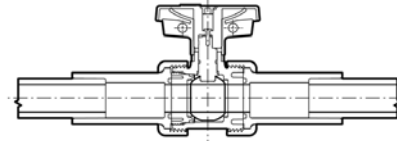
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 INDUSTRIAL BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	4-29/32	5-7/16	6-3/32	7-1/4	7-1/2	8-17/32	10-3/4	11-7/16	14-15/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822R-005 47.21	1832R-005 52.51	1	18	600
3/4	1822R-007 55.86	1832R-007 62.14	1	18	600
1	1822R-010 66.52	1832R-010 74.09	1	12	600
1-1/4	1822R-012 92.02	1832R-012 117.46	1	8	600
1-1/2	1822R-015 110.84	1832R-015 123.04	1	8	600
2	1822R-020 146.26	1832R-020 161.06	1	4	600
2-1/2	1822R-025 281.15	1832R-025 380.96	1	0	601
3	1822R-030 370.67	1832R-030 411.86	1	0	601
4	1822R-040 626.28	1832R-040 695.87	1	0	601



Schedule 80 PVC Industrial Products & Accessories

True Union 2000 Industrial Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves



Industrial Valve

Complete replacement valve for older Spears® 2300 Series Regular True Union Ball Valves. See separate catalog listing for replacement of other brand valves.

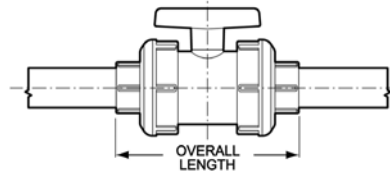
Retrofit valve consists of Spears® Industrial True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 4" 235 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Suitable for Vacuum Service

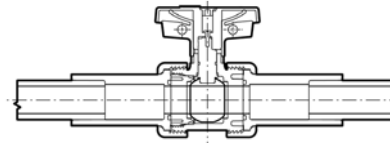
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 INDUSTRIAL BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	5-5/16	6-1/4	6-11/16	7-1/8	8-3/16	8-15/16	12	12-1/16	13-3/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822RS-005 47.21	1832RS-005 52.51	1	18	600
3/4	1822RS-007 55.86	1832RS-007 62.14	1	18	600
1	1822RS-010 66.52	1832RS-010 74.09	1	12	600
1-1/4	1822RS-012 92.02	1832RS-012 117.46	1	8	600
1-1/2	1822RS-015 110.84	1832RS-015 123.04	1	8	600
2	1822RS-020 146.26	1832RS-020 161.06	1	4	600
2-1/2	1822RS-025 281.15	1832RS-025 380.96	1	0	601
3	1822RS-030 370.67	1832RS-030 411.86	1	0	601
4	1822RS-040 626.28	1832RS-040 695.87	1	0	601

Schedule 80 PVC Industrial Products & Accessories

True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves & True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves



True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves



Standard Valve

Complete universal replacement valve for domestic and import PVC valves. See separate catalog listing for retrofit replacement of older Spears® valves.

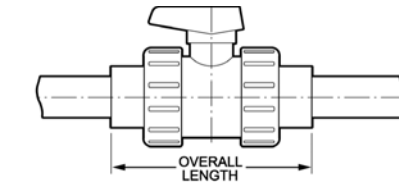
Retrofit valve consists of Spears® Standard True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 4" 150 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant.

Suitable for Vacuum Service.

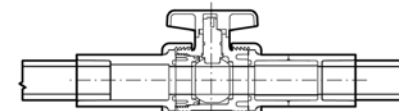
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 STANDARD BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	4-29/32	5-7/16	6-3/32	7-1/4	7-1/2	8-17/32	10-3/4	11-7/16	14-15/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622R-005 37.78	3632R-005 42.02	1	18	608
3/4	3622R-007 44.68	3632R-007 49.70	1	12	608
1	3622R-010 53.22	3632R-010 59.28	1	8	608
1-1/4	3622R-012 73.61	3632R-012 93.96	1	8	608
1-1/2	3622R-015 88.68	3632R-015 98.44	1	8	608

PVC - Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	3622R-020 117.02	3632R-020 128.84	1	4	608
2-1/2	3622R-025 224.15	3632R-025 304.76	1	0	609
3	3622R-030 296.53	3632R-030 329.47	1	0	609
4	3622R-040 500.87	3632R-040 556.71	1	0	609

True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves



Standard Valve

Complete replacement valve for older Spears® 2300 Series Regular True Union Ball Valves. See separate catalog listing for replacement of other brand valves.

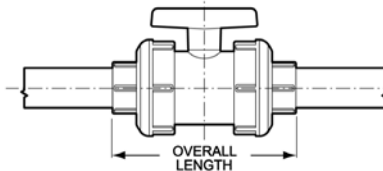
Retrofit valve consists of Spears® Standard True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 4" 150 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Suitable for Vacuum Service

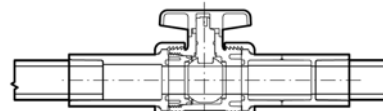
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 STANDARD BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	5-5/16	6-1/4	6-11/16	7-1/8	8-3/16	8-15/16	12	12-1/16	13-3/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622RS-005 37.78	3632RS-005 42.02	1	18	608
3/4	3622RS-007 44.68	3632RS-007 49.70	1	18	608
1	3622RS-010 53.22	3632RS-010 59.28	1	12	608
1-1/4	3622RS-012 73.61	3632RS-012 93.96	1	8	608

PVC - Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	3622RS-015 88.68	3632RS-015 98.44	1	8	608
2	3622RS-020 117.02	3632RS-020 128.84	1	4	608
2-1/2	3622RS-025 224.15	3632RS-025 304.76	1	0	609
3	3622RS-030 296.53	3632RS-030 329.47	1	0	609



Schedule 80 PVC Industrial Products & Accessories
True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves & True Union Ball Valves (Regular Style)

True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves

PVC - Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
4	3622RS-040 500.87	3632RS-040 556.71	1	0	609

True Union Ball Valves (Regular Style)



Socket/Threaded Style



Flanged Style

Pressure Rating @ 73°F (23°C), Water

1/2" - 2" 235 psi

2-1/2" - 6" 150 psi

Flanged 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

Rated for Vacuum Service

All Valves assembled with Silicone-Free, Water Soluble Lubricant.

6" Venturied Valves are 4" Ball Valves equipped with 4x6 End Connectors.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	2329-005 54.37	2339-005 60.50	1	18	230
3/4	2329-007 64.31	2339-007 71.57	1	12	230
1	2329-010 76.61	2339-010 85.33	1	8	230
1-1/4	2329-012 105.97	2339-012 135.26	1	8	230
1-1/2	2329-015 127.68	2339-015 141.70	1	8	230
2	2329-020 168.44	2339-020 185.49	1	4	230

Socket Ends

2-1/2	2322-025 307.61	2332-025 416.81	1	0	230
3	2322-030 405.56	2332-030 450.63	1	0	230
4	2322-040 685.23	2332-040 761.35	1	0	230

Socket Venturied Ends

6 VENTURIED	2322-060 914.24	2332-060 996.12	1	0	231
--------------------	---------------------------	---------------------------	---	---	-----

Threaded Ends

2-1/2	2321-025 307.61	2331-025 416.81	1	0	230
3	2321-030 405.56	2331-030 450.63	1	0	230
4	2321-040 685.23	2331-040 761.35	1	0	230

Flanged Ends

1/2	2323-005 77.78	2333-005 82.97	6	0	230
3/4	2323-007 98.53	2333-007 107.16	5	0	230
1	2323-010 119.27	2333-010 128.21	5	0	230
1-1/4	2323-012 140.00	2333-012 155.56	2	0	230
1-1/2	2323-015 176.32	2333-015 191.84	3	0	230
2	2323-020 280.78	2333-020 297.78	2	0	230
2-1/2	2323-025 492.60	2333-025 500.72	1	0	230

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Flanged Ends

3	2323-030 544.45	2333-030 675.97	1	0	230
4	2323-040 1094.70	2333-040 1268.95	1	0	230

Flanged Venturied Ends

6 VENTURIED	2323-060 1596.52	2333-060 1637.43	1	0	231
--------------------	----------------------------	----------------------------	---	---	-----

Schedule 80 PVC Industrial Products & Accessories Single Entry Ball Valves & Compact 2000 Ball Valves



Single Entry Ball Valves

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
3" - 4" 150 psi

Maximum Service Temperature
PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

Rated for Vacuum Service

All Valves Assembled with Silicone-Free, Water Soluble Lubricant. See Ball Valve Accessories & Repair Kits

Section for Additional Options and Features



PVC Gray – Socket/Threaded Style

PVC Gray

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Threaded Ends

1/2	2411-005G 19.84	2421-005G 21.99	2431-005G 24.46	10	120	240
3/4	2411-007G 24.99	2421-007G 27.80	2431-007G 30.87	10	80	240
1	2411-010G 29.40	2421-010G 32.63	2431-010G 36.27	10	0	240
1-1/4	2411-012G 40.83	2421-012G 45.39	2431-012G 50.37	6	0	240
1-1/2	2411-015G 51.40	2421-015G 60.21	2431-015G 66.96	5	0	240
2	2411-020G 59.52	2421-020G 66.14	2431-020G 73.45	5	0	240
3	2411-030G 207.45	2421-030G 257.29	2431-030G 296.69	1	0	240
4	2411-040G 438.45	2421-040G 483.10	2431-040G 525.12	1	0	240

PVC Gray

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Socket Ends

1/2	2412-005G 19.84	2422-005G 21.99	2432-005G 24.46	10	120	240
3/4	2412-007G 24.99	2422-007G 27.80	2432-007G 30.87	10	80	240
1	2412-010G 29.40	2422-010G 32.63	2432-010G 36.27	10	0	240
1-1/4	2412-012G 40.83	2422-012G 45.39	2432-012G 50.37	5	0	240
1-1/2	2412-015G 51.46	2422-015G 60.21	2432-015G 66.96	5	0	240
2	2412-020G 59.52	2422-020G 66.14	2432-020G 73.45	5	0	240
3	2412-030G 207.45	2422-030G 257.29	2432-030G 296.69	1	0	240
4	2412-040G 438.45	2422-040G 483.10	2432-040G 525.12	1	0	240

Compact 2000 Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi

Maximum Service Temperature

PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free, Water Soluble Lubricants.

Rated for Vacuum Service

Compact 2000 Ball Valves are a Maintenance-Free, Sealed Unit (non-repairable).
See Ball Valve Accessories & Repair Kits Section for Additional Options and Features.

PVC 2000 Compact Ball Valve

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket Ends

1/2	6622-005 20.11	6632-005 22.64	10	120	210
3/4	6622-007 27.44	6632-007 28.09	10	80	210
1	6622-010 29.95	6632-010 33.59	10	0	210
1-1/4	6622-012 45.06	6632-012 52.07	6	0	210
1-1/2	6622-015 53.67	6632-015 59.69	5	0	210
2	6622-020 71.65	6632-020 80.50	8	0	210

Threaded Ends

1/2	6621-005 20.11	6631-005 22.64	10	120	210
-----	-------------------	-------------------	----	-----	-----

PVC 2000 Compact Ball Valve (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Threaded Ends

3/4	6621-007 27.44	6631-007 28.09	10	80	210
1	6621-010 29.95	6631-010 33.59	10	0	210
1-1/4	6621-012 49.32	6631-012 52.07	6	0	210
1-1/2	6621-015 53.67	6631-015 59.69	5	0	210
2	6621-020 71.65	6631-020 80.50	8	0	210

Flanged Ends

1/2	6623-005 42.35	6633-005 44.50	10	120	210
3/4	6623-007 47.83	6633-007 49.50	10	120	210

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 221



Schedule 80 PVC Industrial Products & Accessories Compact 2000 Ball Valves & Compact Ball Valves (Regular Style)

Compact 2000 Ball Valves

PVC 2000 Compact Ball Valve (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
1	6623-010 62.33	6633-010 65.67	10	120	210
1-1/4	6623-012 77.83	6633-012 83.50	10	120	210
1-1/2	6623-015 94.16	6633-015 102.35	10	120	210
2	6623-020 125.66	6633-020 131.17	10	120	210

Compact Ball Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 3" - 6" 150 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves Assembled with Silicone-Free, Water Soluble Lubricants.
 See Ball Valve Accessories & Repair Kits Section for Additional
 Options & Features

Note: Standard 6" Valve uses Lever-Style Handle for proper
 leverage.
 T-Handle option is more compact but will increase difficulty of
 operation.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
1/2	2122-005 21.16	2132-005 23.83	10	80	210
3/4	2122-007 28.88	2132-007 29.57	10	0	210
1	2122-010 31.51	2132-010 35.38	10	0	210
1-1/4	2122-012 56.51	2132-012 62.82	6	0	210
1-1/2	2122-015 69.97	2132-015 73.11	5	0	210
2	2122-020 75.41	2132-020 84.74	6	0	210
3	2122-030 245.11	2132-030 275.37	1	4	211
4	2122-040 377.10	2132-040 542.81	1	0	211
6 (Lever Handle)	2122-060 489.73	2132-060 704.95	1	0	211
6 (Tee Handle)	21226-060 489.73	21326-060 704.95	1	0	211

Threaded Ends

1/2	2121-005 21.16	2131-005 23.83	10	80	210
3/4	2121-007 28.88	2131-007 29.57	10	0	210
1	2121-010 31.51	2131-010 35.38	10	0	210
1-1/4	2121-012 56.51	2131-012 62.82	6	0	210
1-1/2	2121-015 69.97	2131-015 73.11	5	0	210
2	2121-020 75.41	2131-020 84.74	6	0	210
3	2121-030 245.11	2131-030 275.37	1	4	211
4	2121-040 377.10	2131-040 542.81	1	0	211

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
1/2	2123-005 46.78	2133-005 49.83	1	8	210
3/4	2123-007 56.60	2133-007 58.85	1	8	210
1	2123-010 62.44	2133-010 66.29	1	8	210
1-1/4	2123-012 88.40	2133-012 94.71	1	8	210
1-1/2	2123-015 102.28	2133-015 107.09	1	4	210
2	2123-020 118.72	2133-020 127.96	1	0	210
3	2123-030 318.94	2133-030 349.21	1	0	211
4	2123-040 470.46	2133-040 636.16	1	0	211
6 (Lever Handle)	2123-060 905.83	2133-060 997.09	1	0	211
6 (Tee Handle)	21236-060 905.83	21336-060 997.09	1	0	211

Schedule 80 PVC Industrial Products & Accessories
Utility Ball Valves & Lab Ball Valves



Utility Ball Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free,
 Water Soluble Lubricant

PVC w/EPDM O-ring Seal

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
PVC Gray					
1/2	2621-005G 8.90	2622-005G 8.90	50	0	215
3/4	2621-007G 10.56	2622-007G 10.56	25	0	215
1	2621-010G 14.36	2622-010G 14.36	25	0	215
1-1/4	2621-012G 19.03	2622-012G 19.03	20	0	215
1-1/2	2621-015G 29.04	2622-015G 29.04	20	0	215

PVC w/EPDM O-ring Seal (continued)

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
PVC Gray					
2	2621-020G 36.71	2622-020G 36.71	8	0	215
2-1/2	2621-025G 62.83	2622-025G 62.83	6	0	214
3	2621-030G 112.69	2622-030G 112.69	1	4	214
4	2621-040G 206.54	2622-040G 206.54	1	0	214

Lab Ball Valves



Pressure Rating @ 73°F (23°C), Water
 1/4" - 3/8" 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

Valve & Adapters includes:

- 1 - Threaded 1/4" Valve
- 2 - O-ring Sealed 1/4" MPT x Mipt Adapters
- 2 - EPDM or Viton® O-rings (AS568-013 size)
- 1 - End Connector Wrench
- 2 - O-ring Sealed 1/4" MPT x 3/8" I.D. Tubing Barb Adapters
- OR -
- 2 - O-ring Sealed 1/4" MPT x 1/4" I.D. Tubing Barb Adapters



Socket/Threaded Valve Only

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Valve & Adapters

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Valve & Adapters Threaded Ends

1/4X3/8T	1529-002 24.46	1539-002 25.57	1	25	218
1/4X1/4T	1529-002A 24.46	1539-002A 25.57	1	25	218

Valve only Threaded Ends

1/4	1521-002 19.55	1531-002 21.76	50	200	218
3/8	1521-003 27.48	1531-003 30.47	50	200	218

Valve only Socket Ends

1/4	1522-002 19.55	1532-002 22.12	50	200	218
3/8	1522-003 27.48	1532-003 30.47	50	200	218



Schedule 80 PVC Industrial Products & Accessories True Union 2000 Industrial Ball Check Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" 235 psi
 6" - 8" 150 psi
 All Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves assembled with Silicone-Free,
 Water Soluble Lubricant
 Contact Spears® for Pricing & Availability
 on Custom Elastomer Seals
 See Ball Valve Accessories & Repair Kits Section
 for Additional Options and Features

General Installation Information: Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

PVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	-----------	------------	--------------

Socket & Threaded Ends

1/2	4529-005 53.54	4539-005 60.34	1	18	604
3/4	4529-007 63.84	4539-007 67.38	1	18	604
1	4529-010 75.93	4539-010 84.64	1	18	604
1-1/4	4529-012 110.88	4539-012 124.45	1	12	604
1-1/2	4529-015 127.35	4539-015 141.34	1	8	604
2	4529-020 173.87	4539-020 193.33	1	8	604

Socket Ends

2-1/2	4522-025 421.53	4532-025 448.95	1	0	605
3	4522-030 536.45	4532-030 601.33	1	0	605
4	4522-040 790.71	4532-040 833.07	1	0	605
6	4522-060 1554.91	4532-060 1723.26	1	0	558
8	4522-080 2072.19	4532-080 2297.00	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025 421.53	4531-025 448.95	1	0	605
3	4521-030 539.89	4531-030 605.59	1	0	605
4	4521-040 790.71	4531-040 833.07	1	0	605
6	4521-060 1554.91	4531-060 1723.26	1	0	558

SR Threaded Ends

1/2	4521-005SR 54.63	4531-005SR 61.41	1	18	604
3/4	4521-007SR 66.44	4531-007SR 69.98	1	18	604
1	4521-010SR 78.50	4531-010SR 87.23	1	18	604
1-1/4	4521-012SR 116.03	4531-012SR 129.57	1	12	604
1-1/2	4521-015SR 135.65	4531-015SR 149.63	1	8	604
2	4521-020SR 182.85	4531-020SR 202.32	1	8	604
2-1/2	4521-025SR 444.50	4531-025SR 471.94	1	0	605
3	4521-030SR 551.13	4531-030SR 471.94	1	0	605
4	4521-040SR 817.52	4531-040SR 859.90	1	0	605
6	4521-060SR 1599.30	4531-060SR 1769.16	1	0	558

PVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	-----------	------------	--------------

Spigot Ends

1/2	4527-005 53.54	4537-005 60.34	1	18	604
3/4	4527-007 63.84	4537-007 67.38	1	18	604
1	4527-010 75.93	4537-010 84.64	1	12	604
1-1/4	4527-012 110.88	4537-012 124.45	1	12	604
1-1/2	4527-015 127.35	4537-015 141.34	1	8	604
2	4527-020 173.87	4537-020 193.33	1	8	604
2-1/2	4527-025 421.53	4537-025 448.95	1	0	605
3	4527-030 477.31	4537-030 602.66	1	0	605
4	4527-040 790.71	4537-040 833.07	1	0	605
6	4527-060 1554.91	4537-060 1723.26	1	0	558

Flanged Ends

1/2	4523-005 75.49	4533-005 94.74	1	8	604
3/4	4523-007 91.30	4533-007 113.62	5	0	604
1	4523-010 108.21	4533-010 132.21	5	0	604
1-1/4	4523-012 133.84	4533-012 173.01	2	0	604
1-1/2	4523-015 184.68	4533-015 200.72	3	0	604
2	4523-020 260.65	4533-020 266.83	2	0	604
2-1/2	4523-025 539.96	4533-025 628.80	1	0	605
3	4523-030 755.31	4533-030 878.30	1	0	605
4	4523-040 1022.38	4533-040 1186.70	1	0	605
6	4523-060 2448.69	4533-060 2840.47	1	0	558
8	4523-080 3180.11	4533-080 3696.56	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

Schedule 80 PVC Industrial Products & Accessories True Union Ball Check Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 2-1/2" - 6" 150 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves assembled with Silicone-Free,
 Water Soluble Lubricant

6" Venturied Valves are 4" Ball Check Valves equipped with
 4x6 End Connectors.

General Installation Information: Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	-----------	------------	--------------

Socket & Threaded Ends

1/2	2229-005 58.59	2239-005 66.02	1	18	220
3/4	2229-007 69.85	2239-007 73.74	1	12	220
1	2229-010 83.07	2239-010 92.61	1	8	220
1-1/4	2229-012 121.32	2239-012 136.15	1	8	220
1-1/2	2229-015 139.34	2239-015 154.64	1	8	220
2	2229-020 190.23	2239-020 211.53	1	4	220

Socket Ends

2-1/2	2222-025 461.19	2232-025 491.19	1	0	220
3	2222-030 557.14	2232-030 647.41	1	0	220
4	2222-040 865.12	2232-040 911.49	1	0	220

Socket Venturied Ends

6 VENTURIED	2222-060 1168.77	2232-060 1323.88	1	0	221
--------------------	----------------------------	----------------------------	---	---	-----

Threaded Ends

2-1/2	2221-025 461.19	2231-025 491.19	1	0	220
3	2221-030 557.14	2231-030 647.41	1	0	220
4	2221-040 865.12	2231-040 911.49	1	0	220

Flanged Ends

1/2	2223-005 82.60	2233-005 103.68	6	0	220
3/4	2223-007 99.89	2233-007 124.31	5	0	220
1	2223-010 118.40	2233-010 144.66	5	0	220
1-1/4	2223-012 146.44	2233-012 189.30	2	0	220
1-1/2	2223-015 202.05	2233-015 219.63	3	0	220
2	2223-020 285.18	2233-020 291.95	2	0	220
2-1/2	2223-025 590.78	2233-025 687.99	1	0	220
3	2223-030 826.39	2233-030 960.96	1	0	220
4	2223-040 1118.61	2233-040 1298.39	1	0	220

Flanged Venturied Ends

6 VENTURIED	2223-060 1399.93	2233-060 1561.95	1	0	221
--------------------	----------------------------	----------------------------	---	---	-----



Schedule 80 PVC Industrial Products & Accessories Foot Valve Screens & Y-Check Valves

Foot Valve Screens

Convert to Foot Valve using adapter - Fits all Socket Ball Check Valves or any IPS fitting socket



PVC Foot Valve Screen

Foot Valve Screens - Spigot

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC					
FVS-005	1/2	10	60	299	43.23
FVS-007	3/4	10	60	299	51.34
FVS-010	1	10	40	299	62.44
FVS-012	1-1/4	5	30	299	90.89
FVS-015	1-1/2	5	0	299	95.74
FVS-020	2	5	0	299	108.05

Foot Valve Screens - Spigot (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC					
FVS-025	2-1/2	5	0	299	148.63
FVS-030	3	5	0	299	152.88
FVS-040	4	5	0	299	180.89
FVS-060	6	5	0	299	244.96

Y-Check Valves



PVC Clear — Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply



True Union Style

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1622-005 84.18	1632-005 93.36	1	18	627
3/4	1622-007 90.30	1632-007 101.02	1	18	627
1	1622-010 99.48	1632-010 110.18	1	12	627
1-1/4	1622-012 156.10	1632-012 172.95	1	8	627
1-1/2	1622-015 169.87	1632-015 188.24	1	8	627
2	1622-020 211.20	1632-020 234.17	1	4	627
3	1622-030 417.81	1632-030 463.71	1	0	627
4	1622-040 728.49	1632-040 809.61	1	0	627

PVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1621-005SR 87.24	1631-005SR 96.43	1	18	627
3/4	1621-007SR 94.88	1631-007SR 105.60	1	12	627
1	1621-010SR 105.60	1631-010SR 116.31	1	8	627
1-1/4	1621-012SR 165.28	1631-012SR 182.12	1	8	627
1-1/2	1621-015SR 183.65	1631-015SR 202.02	1	4	627

PVC - SR Threaded Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	1621-020SR 226.50	1631-020SR 249.46	1	0	627
3	1621-030SR 459.14	1631-030SR 505.04	1	0	627
4	1621-040SR 771.34	1631-040SR 852.44	1	0	627

PVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1623-005 110.18	1633-005 122.45	1	8	627
3/4	1623-007 120.90	1633-007 134.68	1	4	627
1	1623-010 141.53	1633-010 162.22	1	8	627
1-1/4	1623-012 224.97	1633-012 249.46	1	4	627
1-1/2	1623-015 238.76	1633-015 264.76	1	4	627
2	1623-020 319.86	1633-020 355.04	1	0	627
3	1623-030 625.94	1633-030 694.81	1	0	627
4	1623-040 999.36	1633-040 1109.56	1	0	627

Schedule 80 PVC Industrial Products & Accessories
Y-Check Valves



PVC Clear - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1622-005CL 84.18	1632-005CL 93.36	1	18	628
3/4	1622-007CL 90.30	1632-007CL 101.02	1	18	628
1	1622-010CL 99.48	1632-010CL 110.18	1	12	628
1-1/4	1622-012CL 156.10	1632-012CL 172.95	1	8	628
1-1/2	1622-015CL 169.87	1632-015CL 188.24	1	8	628
2	1622-020CL 211.20	1632-020CL 234.17	1	4	628
3	1622-030CL 417.81	1632-030CL 463.71	1	0	628
4	1622-040CL 728.49	1632-040CL 809.61	1	0	628

PVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005 91.83	163B-005 101.02	1	12	627
3/4	162B-007 97.94	163B-007 110.18	1	8	627
1	162B-010 108.66	163B-010 119.36	1	8	627
1-1/4	162B-012 168.36	163B-012 188.24	1	4	627
1-1/2	162B-015 185.18	163B-015 205.09	1	0	627
2	162B-020 229.56	163B-020 254.04	2	0	627
3	162B-030 454.53	163B-030 495.86	1	0	627
4	162B-040 792.77	163B-040 880.00	1	0	627

PVC Clear - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1621-005CLSR 87.24	1631-005CLSR 96.43	1	18	628
3/4	1621-007CLSR 94.88	1631-007CLSR 105.60	1	12	628
1	1621-010CLSR 105.60	1631-010CLSR 116.31	1	8	628
1-1/4	1621-012CLSR 165.28	1631-012CLSR 182.12	1	8	628
1-1/2	1621-015CLSR 183.65	1631-015CLSR 202.02	1	4	628
2	1621-020CLSR 226.50	1631-020CLSR 249.46	1	0	628
3	1621-030CLSR 459.14	1631-030CLSR 505.04	1	0	628
4	1621-040CLSR 771.34	1631-040CLSR 852.44	1	0	628

PVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005SR 94.88	163B-005SR 104.07	1	12	627
3/4	162B-007SR 102.53	163B-007SR 113.26	1	8	627
1	162B-010SR 113.26	163B-010SR 125.50	1	8	627
1-1/4	162B-012SR 179.06	163B-012SR 197.41	1	4	627
1-1/2	162B-015SR 200.48	163B-015SR 220.38	1	0	627
2	162B-020SR 246.40	163B-020SR 272.40	1	0	627
3	162B-030SR 498.91	163B-030SR 549.43	1	0	627
4	162B-040SR 837.14	163B-040SR 925.90	1	0	627

PVC Clear - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1623-005CL 110.18	1633-005CL 122.45	1	8	628
3/4	1623-007CL 120.90	1633-007CL 134.68	1	8	628
1	1623-010CL 145.39	1633-010CL 162.22	1	8	628
1-1/4	1623-012CL 224.97	1633-012CL 249.46	1	4	628
1-1/2	1623-015CL 238.76	1633-015CL 264.76	1	4	628
2	1623-020CL 319.86	1633-020CL 355.04	1	0	628
3	1623-030CL 625.94	1633-030CL 694.81	1	0	628
4	1623-040CL 999.36	1633-040CL 1109.56	1	0	628

PVC Clear - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162A-005CL 91.83	163A-005CL 101.02	1	12	628
3/4	162A-007CL 97.94	163A-007CL 110.18	1	8	628
1	162A-010CL 108.66	163A-010CL 119.36	1	8	628
1-1/4	162A-012CL 169.87	163A-012CL 188.24	1	4	628
1-1/2	162A-015CL 185.18	163A-015CL 205.09	1	0	628
2	162A-020CL 229.56	163A-020CL 254.04	2	0	628
3	162A-030CL 454.53	163A-030CL 495.86	1	0	628
4	162A-040CL 792.77	163A-040CL 880.00	1	0	628

PVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162A-005 91.83	163A-005 101.02	1	12	627
3/4	162A-007 97.94	163A-007 110.18	1	8	627
1	162A-010 108.66	163A-010 119.36	1	8	627
1-1/4	162A-012 169.87	163A-012 188.24	1	4	627
1-1/2	162A-015 185.18	163A-015 205.09	1	0	627
2	162A-020 229.56	163A-020 254.04	2	0	627
3	162A-030 454.53	163A-030 495.86	1	0	627
4	162A-040 792.77	163A-040 880.00	1	0	627

PVC Clear - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005CL 91.83	163B-005CL 101.02	1	12	628
3/4	162B-007CL 97.94	163B-007CL 110.18	1	8	628
1	162B-010CL 108.66	163B-010CL 119.36	1	8	628
1-1/4	162B-012CL 169.87	163B-012CL 188.24	1	4	628
1-1/2	162B-015CL 185.18	163B-015CL 205.09	1	0	628
2	162B-020CL 229.56	163B-020CL 254.04	2	0	628
3	162B-030CL 454.53	163B-030CL 495.86	1	0	628
4	162B-040CL 792.77	163B-040CL 880.00	1	0	628



Schedule 80 PVC Industrial Products & Accessories Y-Check Valves & Butterfly Check Valves

Y-Check Valves

PVC Clear - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005CLSR 94.88	163B-005CLSR 104.07	1	12	628
3/4	162B-007CLSR 102.53	163B-007CLSR 113.26	1	8	628
1	162B-010CLSR 113.26	163B-010CLSR 125.50	1	8	628
1-1/4	162B-012CLSR 179.06	163B-012CLSR 197.41	1	4	628
1-1/2	162B-015CLSR 200.48	163B-015CLSR 220.38	1	0	628

PVC Clear - True Union SR Threaded Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	162B-020CLSR 246.40	163B-020CLSR 272.40	1	0	628
3	162B-030CLSR 498.91	163B-030CLSR 549.43	1	0	628
4	162B-040CLSR 837.14	163B-040CLSR 925.90	1	0	628

Butterfly Check Valves



Wafer



Flanged



Spigot



Threaded



Grooved

Pressure Rating @ 73°F (23°C), Water

2" - 8" 150 psi
10" - 16" 100 psi
18" - 24" 50 psi

Maximum Service Temperature
PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

General Installation Information: Butterfly Check Valve seating may be affected by normal system turbulence. Flow velocities should be limited to approximately 5 feet per second. Valves should be installed at least 5 pipe diameters away from any fitting, pump or other source of turbulence. If used as a foot valve, do not place near bottom of a tank. Butterfly type check valves should not be used in continuous cycling applications, such as with reciprocating pumps. This can result in premature failure of sealing membrane. In horizontal installations, always orient the Hinge Post Bolts visible on the external body in a vertical (top and bottom) position, perpendicular to flow. In vertical installations downstream from an elbow, flow velocities can be higher on the outer radius of the elbow. To avoid uneven butterfly plate loading, the Hinge Post Bolts should align with crotch and outer radius of elbow and NOT from side to side of the elbow.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Wafer					
2	5420-020 385.09	5430-020 424.33	1	18	289
2-1/2	5420-025 530.69	5430-025 584.85	1	0	289
3	5420-030 678.83	5430-030 748.05	1	8	289
4	5420-040 923.19	5430-040 1017.36	1	4	289
6	5420-060 1399.61	5430-060 1542.36	1	0	289
8	5420-080 2374.63	5430-080 2616.83	1	0	289
10	5420-100 4366.31	5430-100 4846.59	1	0	289
12	5420-120 6156.44	5430-120 6833.66	1	0	289
14	5420-140 8793.94	---	1	0	289
16	5420-160 12212.80	---	1	0	289
18	5420-180 15264.85	---	1	0	289
20	5420-200 19081.05	---	1	0	289
24	5420-240 27256.74	---	1	0	289

Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	5423-020 491.20	5433-020 528.24	1	8	289
2-1/2	5423-025 639.32	5433-025 696.11	1	0	289
3	5423-030 918.27	5433-030 1009.59	1	0	289
4	5423-040 1192.26	5433-040 1330.47	1	0	289
6	5423-060 1932.78	5433-060 2211.72	1	0	289

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
8	5423-080 2769.57	5433-080 3268.20	1	0	289
10	5423-100 5099.79	5433-100 5815.62	1	0	289
12	5423-120 7225.10	5433-120 7685.85	1	0	289
14	5423-140 10187.39	5433-140 10836.99	4	0	289
16	5423-160 14338.77	5433-160 15481.40	1	0	289
18	5423-180 18319.43	5433-180 19595.64	1	0	289
20	5423-200 24077.89	5433-200 25783.73	1	0	289
24	5423-240 31537.47	5433-240 33924.26	1	0	289

Spigot (Plain End)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	5427-020 209.82	5437-020 246.84	1	12	289
2-1/2	5427-025 288.81	5437-025 345.60	1	12	289
3	5427-030 387.54	5437-030 478.87	1	8	289
4	5427-040 508.50	5437-040 646.74	1	4	289
6	5427-060 1081.16	5437-060 1360.10	1	0	289
8	5427-080 1611.90	5437-080 2110.49	1	0	289
10	5427-100 3942.07	5437-100 4657.91	1	0	289
12	5427-120 5339.21	5437-120 6259.09	1	0	289
14	5427-140 7125.66	5437-140 8187.78	1	0	289
16	5427-160 10720.62	5437-160 12569.19	1	0	289

Schedule 80 PVC Industrial Products & Accessories Butterfly Check Valves & Industrial Swing Check Valves



Butterfly Check Valves

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Spigot (Plain End)					
18	5427-180 13400.78	5437-180 15710.07	1	0	289
20	5427-200 16750.52	5437-200 19636.33	1	0	289
24	5427-240 23929.28	5437-240 28050.93	1	0	289

Threaded Ends

2	5421A-020 204.89	5431A-020 241.91	1	4	289
2-1/2	5421A-025 278.94	5431A-025 335.69	1	8	289
3	5421A-030 380.15	5431A-030 471.46	1	8	289
4	5421A-040 498.63	5431A-040 636.85	1	4	289
6	5421A-060 1061.43	5431A-060 1340.35	1	0	289
8	5421A-080 1594.63	5431A-080 2093.22	1	0	289
10	5421A-100 3934.01	5431A-100 4651.01	1	0	289

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends					
12	5421A-120 5332.63	5431A-120 6252.52	1	0	289

Grooved Ends

2	542G-020 232.03	543G-020 269.05	1	12	289
2-1/2	542G-025 303.62	543G-025 360.38	1	8	289
3	542G-030 399.88	543G-030 491.20	1	8	289
4	542G-040 538.13	543G-040 676.35	1	4	289
6	542G-060 1125.60	543G-060 1404.55	1	0	289
8	542G-080 1661.24	543G-080 2159.88	1	0	289
10	542G-100 4021.06	543G-100 4736.90	1	0	289
12	542G-120 5445.34	543G-120 6366.09	1	0	289

Industrial Swing Check Valves



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4"

Pressure Rating @ 73°F (23°C), Water
 3/4" - 4" 150 psi
 6" 100 psi
 8" 70 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 All Valves Assembled with Silicone-Free Lubricants



Bolted Bonnet on Sizes 1-1/2" & Up
(Valve Shown with Arrow Indicator Option)

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec.

Industrial Swing Check Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PVC					
3/4	4423-007 465.38	4433-007 492.26	1	12	108
1	4423-010 536.30	4433-010 584.47	1	4	108
1-1/4	4423-012 670.85	4433-012 709.80	1	0	108
1-1/2	4423-015 735.43	4433-015 821.63	1	0	108
2	4423-020 846.67	4433-020 940.77	1	0	108
2-1/2	4423-025 1416.97	4433-025 1671.60	1	0	110
3	4423-030 1584.68	4433-030 2076.63	1	0	110
4	4423-040 2019.80	4433-040 2371.43	1	0	110
6	4423-060 3838.62	4433-060 4505.53	1	0	110
8	4423-080 7355.03	4433-080 8597.06	1	0	110

Swing Check Valve With Arrow Indicator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PVC					
3/4	4423I-007 473.02	4433I-007 499.93	1	12	108
1	4423I-010 543.94	4433I-010 608.97	1	4	108
1-1/4	4423I-012 694.66	4433I-012 763.36	1	0	108
1-1/2	4423I-015 805.62	4433I-015 763.36	1	0	108
2	4423I-020 872.28	4433I-020 952.15	1	0	108
2-1/2	4423I-025 1425.05	4433I-025 1585.33	1	0	110
3	4423I-030 1659.60	4433I-030 1585.33	1	0	110
4	4423I-040 2028.00	4433I-040 2410.12	1	0	110
6	4423I-060 3846.64	4433I-060 4542.63	1	0	110
8	4423I-080 7471.94	4433I-080 8640.99	1	0	110



Schedule 80 PVC Industrial Products & Accessories
Industrial Swing Check Valves & Industrial Swing Check Valve Accessory and Repair Kits

Industrial Swing Check Valves

Swing Check Valve With Counter Balance

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PVC					
3/4	4423CB-007 736.12	4433CB-007 787.82	1	8	108
1	4423CB-010 823.45	4433CB-010 882.04	1	4	108
1-1/4	4423CB-012 994.64	4433CB-012 1033.95	1	0	108
1-1/2	4423CB-015 1067.16	4433CB-015 1246.38	1	0	108
2	4423CB-020 1177.41	4433CB-020 1425.16	1	0	108

Swing Check Valve With Counter Balance (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PVC					
2-1/2	4423CB-025 1771.73	4433CB-025 2025.76	1	0	110
3	4423CB-030 1995.27	4433CB-030 2302.13	1	0	110
4	4423CB-040 2390.77	4433CB-040 2742.37	1	0	110
6	4423CB-060 4262.72	4433CB-060 4262.72	1	0	110
8	4423CB-080 8546.49	4433CB-080 9013.04	1	0	110

Industrial Swing Check Valve Accessory and Repair Kits

Repair Kits include:

1-Bonnet O-ring
 1-Disc O-ring
 1-Seat O-ring

1-Plug O-ring
 1-Arm Plug O-ring

Industrial Swing Check Valve Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3/4	SK-ERK-007 24.98	SK-VRK-007 30.45	1	10	299
1	SK-ERK-010 32.62	SK-VRK-010 39.79	1	10	299
1-1/2 & 1-1/4	SK-ERK-015 78.00	SK-VRK-015 98.65	1	10	299
2	SK-ERK-020 83.74	SK-VRK-020 102.11	1	10	299
2-1/2	SK-ERK-025 88.56	SK-VRK-025 113.34	1	10	299
3	SK-ERK-030 100.41	SK-VRK-030 122.52	1	10	299
4	SK-ERK-040 109.55	SK-VRK-040 133.59	1	10	299
6	SK-ERK-060 217.74	SK-VRK-060 257.04	1	10	299
8	SK-ERK-080 273.97	SK-VRK-080 332.38	1	10	299

Schedule 80 PVC Industrial Products & Accessories
Diaphragm Check Valves & PVC In-line Adjustable Spring Check Valves



Diaphragm Check Valves



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 100 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 Santoprene™ TPE Seat

PVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6562-007	3/4	15	0	004	84.64

PVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6561-007	3/4	15	0	004	84.64

PVC In-line Adjustable Spring Check Valves



Fipt x Mipt



Mipt x Fipt



Fipt x Fipt



Pressure Rating @ 73°F (23°C), Water
 200 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply

2 - 14 lbs. Adjustable Spring Tension
 (5 to 32 feet of head)
 Factory Preset to Approx. 5 psi
 (12 feet of head)
 Each full turn of adjustment nut = 1 psi
 (2.3 feet of head)
 Stainless Steel Adjustment Hardware
 EPDM Seat

Standard Unit - Female Inlet x Male Outlet

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Fipt x Mipt (Inlet x Outlet)

S1102-05	1/2	30	180	026	10.40
S1102-07	3/4	25	150	026	10.64
S1102-10	1	25	150	026	17.66
S1102-05-07	1/2X3/4	25	150	026	15.18

Male Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Mipt x Fipt (Inlet x Outlet)

S1101-05	1/2	30	180	026	10.40
----------	-----	----	-----	-----	-------

Female Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Fipt x Fipt (Inlet x Outlet)

S1100-07	3/4	25	150	026	10.99
----------	-----	----	-----	-----	-------



Schedule 80 PVC Industrial Products & Accessories Gate Valves



1/2" - 2" Socket/Threaded Style



2-1/2" - 3" Socket Style



4" Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 200 psi
 2-1/2" - 3" 150 psi
 4" 235 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply

PP Gate-Wedge on PVC Valves
 All Valves Assembled with Silicone-Free,
 Water Soluble Lubricant

See Gate Valve Accessories & Repair Kits
 Section for Additional Options and Features

PVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends						
1/2	2011-005 22.98	2021-005 25.22	2031-005 27.78	12	0	200
3/4	2011-007 28.10	2021-007 30.93	2031-007 32.56	12	0	200
1	2011-010 33.31	2021-010 36.68	2031-010 40.38	12	0	200
1-1/4	2011-012 46.06	2021-012 50.68	2031-012 55.72	6	0	200
1-1/2	2011-015 58.77	2021-015 65.29	2031-015 71.10	6	0	200
2	2011-020 75.48	2021-020 83.10	2031-020 91.35	6	0	200
2-1/2	2011-025 417.31	2021-025 459.03	2031-025 504.95	1	0	201

SR Threaded Ends

3	2011-030SR 417.31	2021-030SR 459.03	2031-030SR 504.95	1	0	201
4	2011-040SR 818.94	2021-040SR 909.94	2031-040SR 1000.90	1	0	201

Socket Ends

1/2	2012-005 22.98	2022-005 25.22	2032-005 27.78	12	0	200
3/4	2012-007 28.10	2022-007 30.93	2032-007 32.56	12	0	200
1	2012-010 33.31	2022-010 36.68	2032-010 40.38	12	0	200
1-1/4	2012-012 46.06	2022-012 50.68	2032-012 55.72	6	0	200
1-1/2	2012-015 58.77	2022-015 65.29	2032-015 71.10	6	0	200
2	2012-020 75.48	2022-020 83.10	2032-020 91.35	6	0	200
2-1/2	2012-025 417.31	2022-025 459.03	2032-025 504.95	1	0	201
3	2012-030 417.31	2022-030 459.03	2032-030 504.95	1	0	201
4	2012-040 818.94	2022-040 909.94	2032-040 1000.90	1	0	201

Flanged Ends

1/2	2013-005 111.27	2023-005 126.18	2033-005 144.62	4	0	200
3/4	2013-007 125.20	2023-007 141.68	2033-007 161.65	4	0	200
1	2013-010 137.48	2023-010 155.31	2033-010 178.37	4	0	200

PVC (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends						
1-1/4	2013-012 154.86	2023-012 177.79	2033-012 211.00	3	0	200
1-1/2	2013-015 180.76	2023-015 206.33	2033-015 242.40	3	0	200
2	2013-020 232.66	2023-020 244.45	2033-020 261.70	2	0	200
2-1/2	2013-025 521.62	2023-025 698.41	2033-025 768.24	1	0	201
3	2013-030 521.62	2023-030 698.41	2033-030 768.24	1	0	201
4	2013-040 1026.74	2023-040 1140.88	2033-040 1254.97	1	0	201

Schedule 80 PVC Industrial Products & Accessories Plug Gate Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply
 Plug-Style PE Wedge on All Valves
 Rated for Vacuum Service
 All Valves Assembled with Silicone-Free,
 Water Soluble Lubricants

PVC Socket Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5212-005 22.98	5222-005 25.22	5232-005 27.78	12	0	200
3/4	5212-007 28.10	5222-007 30.93	5232-007 32.56	12	0	200
1	5212-010 33.31	5222-010 36.68	5232-010 40.38	12	0	200
1-1/4	5212-012 46.06	5222-012 50.68	5232-012 55.72	6	0	200
1-1/2	5212-015 58.77	5222-015 65.29	5232-015 71.10	6	0	200
2	5212-020 75.48	5222-020 83.10	5232-020 91.35	6	0	200

PVC SR Threaded Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5211-005SR 25.57	5221-005SR 27.84	5231-005SR 30.35	12	0	200
3/4	5211-007SR 31.85	5221-007SR 34.68	5231-007SR 36.31	12	0	200
1	5211-010SR 38.48	5221-010SR 41.86	5231-010SR 45.54	12	0	200
1-1/4	5211-012SR 54.36	5221-012SR 58.98	5231-012SR 64.03	6	0	200
1-1/2	5211-015SR 72.99	5221-015SR 79.51	5231-015SR 85.29	6	0	200
2	5211-020SR 90.88	5221-020SR 98.47	5231-020SR 106.77	6	0	200

PVC Flanged Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5213-005 111.27	5223-005 126.18	5233-005 144.62	4	0	200
3/4	5213-007 125.20	5223-007 141.68	5233-007 161.65	4	0	200
1	5213-010 137.48	5223-010 155.31	5233-010 178.37	4	0	200
1-1/4	5213-012 154.86	5223-012 177.79	5233-012 211.00	3	0	200
1-1/2	5213-015 180.76	5223-015 206.33	5233-015 242.40	3	0	200
2	5213-020 232.66	5223-020 244.45	5233-020 261.70	2	0	200
6	---	5223-060 2183.90	5233-060 2845.45	1	0	201



Schedule 80 PVC Industrial Products & Accessories Butterfly Valves



Lever Handle Style



Gear Operator Style

Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi

Maximum Service Temperature
PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply
See Butterfly Valve Accessories & Repair Kits Section for
Additional Options and Features

PVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	-----------	------------	--------------

Lever Handle

1-1/2	721311-015 266.60	722311-015 266.60	723311-015 556.62	1	0	250
2	721311-020 277.20	722311-020 277.20	723311-020 573.66	1	0	250
2-1/2	721311-025 294.29	722311-025 294.29	723311-025 582.20	1	0	250
3	721311-030 298.57	722311-030 298.57	723311-030 592.87	1	0	250
4	721311-040 345.51	722311-040 345.51	723311-040 742.16	1	0	250
6	721311-060 511.84	722311-060 511.84	723311-060 1185.74	1	0	250
8	721311-080 870.11	722311-080 870.11	723311-080 2008.94	1	0	250

Gear Operator

1-1/2	721321-015 774.13	722321-015 774.13	723321-015 983.15	1	0	250
2	721321-020 784.83	722321-020 784.83	723321-020 1002.35	1	0	250
2-1/2	721321-025 795.45	722321-025 795.45	723321-025 1040.71	1	0	250
3	721321-030 808.28	722321-030 808.28	723321-030 1100.46	1	0	250
4	721321-040 848.79	722321-040 848.79	723321-040 1245.46	1	0	250
6	721321-060 1019.43	722321-060 1019.43	723321-060 1693.31	1	0	250
8	721321-080 1377.67	722321-080 1377.67	723321-080 2516.52	1	0	250
10	721321-100 1863.89	722321-100 1863.89	723321-100 4111.68	1	0	250
12	721321-120 2567.68	722321-120 2567.68	723321-120 5907.41	1	0	250

Valve Only

1-1/2	721301-015 232.47	722301-015 232.47	723301-015 486.22	1	0	250
2	721301-020 258.03	722301-020 258.03	723301-020 509.70	1	0	250
2-1/2	721301-025 266.60	722301-025 266.60	723301-025 526.74	1	0	250
3	721301-030 272.99	722301-030 272.99	723301-030 537.41	1	0	250
4	721301-040 315.63	722301-040 315.63	723301-040 673.90	1	0	250
6	721301-060 477.69	722301-060 477.69	723301-060 1091.91	1	0	250
8	721301-080 827.48	722301-080 827.48	723301-080 1842.59	1	0	250
10	721301-100 1659.17	722301-100 1659.17	723301-100 3689.44	1	0	250
12	721301-120 2141.16	722301-120 2141.16	723301-120 5267.59	1	0	250

Schedule 80 PVC Industrial Products & Accessories Lug Insert Butterfly Valves



Spears® Standard Butterfly Valve
with Lug Inserts Factory Assembled

Note: Lug (insert) Valves require attention to flow direction for dead-end service. Flange must be installed on side of valve opposite the hex nut recesses for Single-Side installation. See "True Lug Butterfly Valves," where dead-end service is required in either direction.

Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features. Lug Valves Use Same Accessories, Repair Kits, and Overhaul Kits as Standard Butterfly Valves



PVC - Zinc-Plated Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311K-015 424.56	722311K-015 424.56	723311K-015 607.11	1	0	250
2	721311K-020 434.03	722311K-020 434.03	723311K-020 630.11	1	0	250
2-1/2	721311K-025 459.72	722311K-025 459.72	723311K-025 650.37	1	0	250
3	721311K-030 466.49	722311K-030 466.49	723311K-030 687.69	1	0	250
4	721311K-040 819.38	722311K-040 819.38	723311K-040 1062.78	1	0	250
6	721311K-060 1072.23	722311K-060 1072.23	723311K-060 1519.80	1	0	250
8	721311K-080 1331.85	722311K-080 1331.85	723311K-080 2170.18	1	0	250

Gear Operator

1-1/2	721321K-015 884.30	722321K-015 884.30	723321K-015 1061.43	1	0	250
2	721321K-020 903.22	722321K-020 903.22	723321K-020 1080.35	1	0	250
2-1/2	721321K-025 946.49	722321K-025 946.49	723321K-025 1119.55	1	0	250
3	721321K-030 960.01	722321K-030 960.01	723321K-030 1150.66	1	0	250
4	721321K-040 1322.38	722321K-040 1322.38	723321K-040 1646.90	1	0	250
6	721321K-060 1632.03	722321K-060 1632.03	723321K-060 2180.99	1	0	250
8	721321K-080 1917.32	722321K-080 1917.32	723321K-080 2861.12	1	0	250
10	721321K-100 3389.79	722321K-100 3389.79	723321K-100 5427.46	1	0	250
12	721321K-120 3906.31	722321K-120 3906.31	723321K-120 6524.03	1	0	250

Valve Only

1-1/2	721301K-015 381.31	722301K-015 381.31	723301K-015 584.12	1	0	250
2	721301K-020 419.16	722301K-020 419.16	723301K-020 600.35	1	0	250
2-1/2	721301K-025 439.44	722301K-025 439.44	723301K-025 634.15	1	0	250
3	721301K-030 447.55	722301K-030 447.55	723301K-030 640.91	1	0	250
4	721301K-040 801.81	722301K-040 801.81	723301K-040 1039.79	1	0	250
6	721301K-060 1064.14	722301K-060 1064.14	723301K-060 1492.76	1	0	250
8	721301K-080 1307.50	722301K-080 1307.50	723301K-080 2140.43	1	0	250
10	721301K-100 2670.46	722301K-100 2670.46	723301K-100 4306.54	1	0	250
12	721301K-120 3078.80	722301K-120 3078.80	723301K-120 6164.36	1	0	250

PVC - SS Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311G-015 484.06	722311G-015 484.06	723311G-015 730.16	1	0	250

PVC - SS Lug Inserts (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
2	721311G-020 489.48	722311G-020 489.48	723311G-020 736.90	1	0	250
2-1/2	721311G-025 538.15	722311G-025 538.15	723311G-025 766.66	1	0	250
3	721311G-030 543.56	722311G-030 543.56	723311G-030 774.78	1	0	250
4	721311G-040 964.07	722311G-040 964.07	723311G-040 1249.36	1	0	250
6	721311G-060 1262.89	722311G-060 1262.89	723311G-060 1787.53	1	0	250
8	721311G-080 1560.35	722311G-080 1560.35	723311G-080 2552.83	1	0	250

Gear Operator

1-1/2	721321G-015 987.06	722321G-015 987.06	723321G-015 1239.90	1	0	250
2	721321G-020 999.22	722321G-020 999.22	723321G-020 1260.18	1	0	250
2-1/2	721321G-025 1051.96	722321G-025 1051.96	723321G-025 1316.98	1	0	250
3	721321G-030 1065.48	722321G-030 1065.48	723321G-030 1348.07	1	0	250
4	721321G-040 1553.60	722321G-040 1553.60	723321G-040 1934.90	1	0	250
6	721321G-060 1920.02	722321G-060 1920.02	723321G-060 2566.34	1	0	250
8	721321G-080 2255.35	722321G-080 2255.35	723321G-080 3277.56	1	0	250
10	721321G-100 3984.73	722321G-100 3984.73	723321G-100 6388.83	1	0	250
12	721321G-120 4593.19	722321G-120 4593.19	723321G-120 7942.41	1	0	250

Valve Only

1-1/2	721301G-015 466.49	722301G-015 466.49	723301G-015 692.30	1	0	250
2	721301G-020 475.94	722301G-020 475.94	723301G-020 712.57	1	0	250
2-1/2	721301G-025 519.21	722301G-025 519.21	723301G-025 727.45	1	0	250
3	721301G-030 527.32	722301G-030 527.32	723301G-030 753.14	1	0	250
4	721301G-040 945.14	722301G-040 945.14	723301G-040 1222.32	1	0	250
6	721301G-060 1252.07	722301G-060 1252.07	723301G-060 1753.71	1	0	250
8	721301G-080 1541.44	722301G-080 1541.44	723301G-080 2519.02	1	0	250
10	721301G-100 3139.65	722301G-100 3139.65	723301G-100 5063.72	1	0	250
12	721301G-120 3621.00	722301G-120 3621.00	723301G-120 6317.16	1	0	250

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Schedule 80 PVC Industrial Products & Accessories True Lug Butterfly Valves



Pressure Rating @ 73°F (23°C), Water

1-1/2" - 12" 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply
See Butterfly Valve Accessories & Repair Kits
Section for Additional Options and Features

PVC - Zinc-Plated Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311Z-015 605.91	722311Z-015 605.91	723311Z-015 868.84	1	0	250
2	721311Z-020 619.70	722311Z-020 619.70	723311Z-020 902.56	1	0	250
2-1/2	721311Z-025 656.36	722311Z-025 656.36	723311Z-025 931.54	1	0	250
3	721311Z-030 666.38	722311Z-030 666.38	723311Z-030 943.73	1	0	250
4	721311Z-040 1172.04	722311Z-040 1172.04	723311Z-040 1519.20	1	0	250
6	721311Z-060 1533.70	722311Z-060 1533.70	723311Z-060 2172.38	1	0	250
8	721311Z-080 1903.71	722311Z-080 1903.71	723311Z-080 3101.20	1	0	250

Gear Operator

1-1/2	721321Z-015 984.07	722321Z-015 984.07	723321Z-015 1250.67	1	0	250
2	721321Z-020 1005.06	722321Z-020 1005.06	723321Z-020 1272.44	1	0	250
2-1/2	721321Z-025 1053.27	722321Z-025 1053.27	723321Z-025 1319.15	1	0	250
3	721321Z-030 1065.63	722321Z-030 1065.63	723321Z-030 1352.16	1	0	250
4	721321Z-040 1556.46	722321Z-040 1556.46	723321Z-040 1937.96	1	0	250
6	721321Z-060 1920.76	722321Z-060 1920.76	723321Z-060 2567.54	1	0	250
8	721321Z-080 2256.59	722321Z-080 2256.59	723321Z-080 3367.59	1	0	250
10	721321Z-100 3987.96	722321Z-100 3987.96	723321Z-100 6387.37	1	0	250
12	721321Z-120 4596.29	722321Z-120 4596.29	723321Z-120 7676.48	1	0	250

Valve Only

1-1/2	721301Z-015 544.69	722301Z-015 544.69	723301Z-015 835.98	1	0	250
2	721301Z-020 599.54	722301Z-020 599.54	723301Z-020 857.48	1	0	250
2-1/2	721301Z-025 631.07	722301Z-025 631.07	723301Z-025 906.68	1	0	250
3	721301Z-030 639.36	722301Z-030 639.36	723301Z-030 915.21	1	0	250
4	721301Z-040 1147.67	722301Z-040 1147.67	723301Z-040 1486.91	1	0	250
6	721301Z-060 1522.39	722301Z-060 1522.38	723301Z-060 2133.98	1	0	250
8	721301Z-080 1869.65	722301Z-080 1869.65	723301Z-080 3058.98	1	0	250
10	721301Z-100 3815.88	722301Z-100 3815.88	723301Z-100 6152.90	1	0	250
12	721301Z-120 4399.95	722301Z-120 4399.95	723301Z-120 7011.30	1	0	250

PVC - Stainless Steel Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311L-015 691.49	722311L-015 691.49	723311L-015 1044.14	1	0	250
2	721311L-020 699.41	722311L-020 699.41	723311L-020 1054.05	1	0	250
2-1/2	721311L-025 769.14	722311L-025 769.14	723311L-025 1095.96	1	0	250
3	721311L-030 777.13	722311L-030 777.13	723311L-030 1107.72	1	0	250
4	721311L-040 1378.82	722311L-040 1378.82	723311L-040 1785.01	1	0	250
6	721311L-060 1804.16	722311L-060 1804.16	723311L-060 2554.23	1	0	250
8	721311L-080 2230.63	722311L-080 2230.63	723311L-080 3648.47	1	0	250

Gear Operator

1-1/2	721321L-015 1161.81	722321L-015 1161.81	723321L-015 1459.67	1	0	250
2	721321L-020 1177.19	722321L-020 1177.19	723321L-020 1483.98	1	0	250
2-1/2	721321L-025 1239.14	722321L-025 1239.14	723321L-025 1551.94	1	0	250
3	721321L-030 1253.65	722321L-030 1253.65	723321L-030 1588.40	1	0	250
4	721321L-040 1828.89	722321L-040 1828.89	723321L-040 2277.69	1	0	250
6	721321L-060 2259.64	722321L-060 2259.64	723321L-060 3020.61	1	0	250
8	721321L-080 2654.29	722321L-080 2654.29	723321L-080 3857.61	1	0	250
10	721321L-100 4689.50	722321L-100 4689.50	723321L-100 7516.65	1	0	250
12	721321L-120 5405.07	722321L-120 5405.07	723321L-120 9345.51	1	0	250

Valve Only

1-1/2	721301L-015 665.98	722301L-015 665.98	723301L-015 989.02	1	0	250
2	721301L-020 679.99	722301L-020 679.99	723301L-020 1019.02	1	0	250
2-1/2	721301L-025 742.41	722301L-025 742.41	723301L-025 1038.64	1	0	250
3	721301L-030 752.12	722301L-030 752.12	723301L-030 1076.72	1	0	250
4	721301L-040 1349.96	722301L-040 1349.96	723301L-040 1746.31	1	0	250
6	721301L-060 1788.76	722301L-060 1788.76	723301L-060 2505.54	1	0	250
8	721301L-080 2201.76	722301L-080 2201.76	723301L-080 3598.72	1	0	250
10	721301L-100 4484.73	722301L-100 4484.73	723301L-100 7234.17	1	0	250
12	721301L-120 5173.52	722301L-120 5173.52	723301L-120 9026.64	1	0	250

Schedule 80 PVC Industrial Products & Accessories Large Diameter Butterfly Valves & Wafer Butterfly Valves



Large Diameter Butterfly Valves

Maximum Service Temperature

PVC = 140°F (60°C)

PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply

Contact Spears® for Custom Produced Valve Sizes 30" to 60"



Pressure Rating @ 73°F (23°C), Water

Size	Psi
14	100
16	85
18	70
20	50
24	50



PVC - Gear Operator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
14	722321-140 5759.39	723321-140 13996.15	1	0	251

Polypropylene - Gear Operator (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
18	722321-180P 26039.51	723321-180P 29834.86	1	0	257
20	722321-200P 29215.80	723321-200P 35512.53	1	0	257
24	722321-240P 33092.72	723321-240P 47739.89	1	0	257

Polypropylene - Gear Operator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	722321-160P 23639.20	723321-160P 25605.47	1	0	257

Wafer Butterfly Valves



Lever Handle

Wafer Butterfly Valve laying lengths will directly replace common Cast Iron valves (matches Keystone Model 228 and Bray Series 30 Butterfly Valves).

IMPORTANT NOTE

All PVC valves have built-in Santoprene™ Thermoplastic Elastomer (TPE) Flange Gaskets for use with choice of Buna-N, EPDM, or Viton® Seats.

Pressure Rating @ 73°F (23°C), Water
150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply



Gear Operator

PVC

Size	Buna-N Seat	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
Lever Handle						
2	751311-020 277.20	752311-020 277.20	753311-020 573.66	1	0	250
2-1/2	751311-025 294.29	752311-025 294.29	753311-025 582.20	1	0	250
3	751311-030 298.57	752311-030 298.57	753311-030 592.87	1	0	250
4	751311-040 345.51	752311-040 345.51	753311-040 742.16	1	0	250
6	751311-060 511.84	752311-060 511.84	753311-060 1185.74	1	0	250
8	751311-080 870.11	752311-080 870.11	753311-080 2008.94	1	0	250

Gear Operator

Size	Buna-N Seat	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
2	751321-020 784.83	752321-020 784.83	753321-020 1002.35	1	0	250
2-1/2	751321-025 795.45	752321-025 795.45	753321-025 1040.71	1	0	250
3	751321-030 808.28	752321-030 808.28	753321-030 1100.46	1	0	250
4	751321-040 848.79	752321-040 848.79	753321-040 1245.46	1	0	250
6	751321-060 1019.43	752321-060 1019.43	753321-060 1693.31	1	0	250
8	751321-080 1377.67	752321-080 1377.67	753321-080 2516.52	1	0	250

PVC

Size	Buna-N Seat	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
Valve Only						
2	751301-020 258.03	752301-020 258.03	753301-020 509.70	1	0	250
2-1/2	751301-025 266.60	752301-025 266.60	753301-025 526.74	1	0	250
3	751301-030 272.99	752301-030 272.99	753301-030 537.41	1	0	250
4	751301-040 315.63	752301-040 315.63	753301-040 673.90	1	0	250
6	751301-060 477.69	752301-060 477.69	753301-060 1091.91	1	0	250
8	751301-080 827.48	752301-080 827.48	753301-080 1842.59	1	0	250

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 237



Schedule 80 PVC Industrial Products & Accessories Globe Valves & Needle Valves

Globe Valves



Pressure Rating @ 73°F (23°C), Water
2-1/2" - 6" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply
All Valves Assembled with Silicone-Free,
Water Soluble Lubricant
Suitable for Vacuum Service

Internal Repair Kit includes 1-Bonnet O-ring along with a factory assembled (required) internal component replacement unit consisting of Bonnet assembled with Stem/O-rings, Seat & Seal Carrier components. Install in valve using existing valve Bolts/Nuts/Washers, and Handle/Nut.

PVC Flanged Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	6013-025 577.86	6023-025 611.54	6033-025 658.81	1	0	620
3	6013-030 662.40	6023-030 691.74	6033-030 769.81	1	0	620
4	6013-040 751.49	6023-040 898.36	6033-040 987.12	1	0	620
6	6013-060 1155.72	6023-060 1381.97	6033-060 1409.51	1	0	620

PVC Internal Repair Kit

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	GL-BRK-025 192.23	GL-ERK-025 464.95	GL-VRK-025 517.13	1	0	299
3	GL-BRK-030 214.23	GL-ERK-030 515.16	GL-VRK-030 574.20	1	0	299
4	GL-BRK-040 251.35	GL-ERK-040 604.11	GL-VRK-040 664.20	1	0	299
6	GL-BRK-060 547.67	GL-ERK-060 928.30	GL-VRK-060 947.30	1	0	299

Needle Valves



Pressure Rating @ 73°F (23°C), Water
PVC 235 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Solid PTFE Stem Seals
No Elastomer or Lubricants used
Valves include Panel Mounting Nut

PVC Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
------	----------	--------	-------------	--------	---------	-----------

Globe Pattern

1/4	5591-002 67.71	5592-002 67.71	---	1	18	218
3/8	5591-003 67.71	5592-003 67.71	---	1	18	218
1/2	5591-005 75.15	5592-005 75.15	5591-005SR 77.17	1	18	218

Angle Pattern

1/4	5691-002 67.71	5692-002 67.71	---	1	18	218
3/8	5691-003 67.71	5692-003 67.71	---	1	18	218
1/2	5691-005 75.15	5692-005 75.15	5691-005SR 77.17	1	18	218

Schedule 80 PVC Industrial Products & Accessories Diaphragm Valves



Socket/Threaded Style



Flanged Style



Spigot Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
1/2" - 4" Flanged
& Valves w/PTFE
Diaphragms 150 psi
6" 100 psi
8" 75 psi

Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply
No Lubricants in Media Contact Area
See Diaphragm Valve Repair Kits Section
for Additional Options and Features

Contact Spears® for Pricing on
Additional Specialty Diaphragms

- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings
(for True Union Style Valves)

PVC - Socket Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2729-005 131.26	2739-005 145.84	2729T-005 209.22	2739T-005 232.14	2739VT-005 286.34	1	12	270
3/4	2729-007 148.98	2739-007 165.55	2729T-007 223.43	2739T-007 250.72	2739VT-007 309.55	1	8	270
1	2729-010 183.61	2739-010 201.76	2729T-010 322.33	2739T-010 334.12	2739VT-010 394.32	1	8	270
1-1/4	2729-012 274.85	2739-012 326.80	2729T-012 443.12	2739T-012 469.70	2739VT-012 531.44	1	4	270
1-1/2	2729-015 288.90	2739-015 334.33	2729T-015 473.06	2739T-015 496.73	2739VT-015 550.78	1	4	270
2	2729-020 341.79	2739-020 405.04	2729T-020 539.43	2739T-020 566.53	2739VT-020 690.85	1	0	270

PVC - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2721-005SR 131.26	2731-005SR 145.84	2721T-005SR 209.22	2731T-005SR 232.14	2731VT-005SR 286.34	1	12	270
3/4	2721-007SR 148.98	2731-007SR 165.55	2721T-007SR 223.43	2731T-007SR 250.72	2731VT-007SR 309.55	1	8	270
1	2721-010SR 183.61	2731-010SR 201.76	2721T-010SR 322.33	2731T-010SR 334.12	2731VT-010SR 394.32	1	8	270
1-1/4	2721-012SR 274.85	2731-012SR 326.80	2721T-012SR 443.12	2731T-012SR 469.70	2731VT-012SR 531.44	1	4	270
1-1/2	2721-015SR 288.90	2731-015SR 334.33	2721T-015SR 473.06	2731T-015SR 496.73	2731VT-015SR 550.78	1	4	270
2	2721-020SR 341.79	2731-020SR 405.04	2721T-020SR 539.43	2731T-020SR 566.53	2731VT-020SR 690.85	1	0	270

PVC - Spigot Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2727-005 127.96	2737-005 142.16	2797T-005 202.02	2797VT-005 233.82	1	12	270
3/4	2727-007 144.17	2737-007 159.55	2797T-007 215.56	2797VT-007 256.72	1	8	270
1	2727-010 178.94	2737-010 194.87	2797T-010 314.69	2797VT-010 366.35	1	8	270
1-1/4	2727-012 266.05	2737-012 320.47	2797T-012 432.82	2797VT-012 480.89	1	4	270
1-1/2	2727-015 281.69	2737-015 325.97	2797T-015 461.30	2797VT-015 526.90	1	4	270
2	2727-020 331.18	2737-020 391.06	2797T-020 523.24	2797VT-020 644.09	1	0	270

PVC - Flanged Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2723-005 209.59	2733-005 226.89	2793T-005 286.34	2793VT-005 314.31	4	0	270
3/4	2723-007 235.51	2733-007 241.47	2793T-007 309.55	2793VT-007 349.21	4	0	270
1	2723-010 264.96	2733-010 296.32	2793T-010 394.32	2793VT-010 442.23	4	0	270
1-1/4	2723-012 359.91	2733-012 398.44	2793T-012 531.44	2793VT-012 586.63	1	4	270
1-1/2	2723-015 364.22	2733-015 406.63	2793T-015 550.78	2793VT-015 612.03	1	4	270

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 239



Schedule 80 PVC Industrial Products & Accessories Diaphragm Valves

PVC - Flanged Ends (continued)

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
2	2723-020 432.93	2733-020 463.14	2793T-020 617.71	2793VT-020 706.19	1	0	270
2-1/2	2723-025 604.73	2733-025 691.23	2793T-025 955.18	2793VT-025 1094.04	1	0	271
3	2723-030 808.54	2733-030 898.44	2793T-030 1252.55	2793VT-030 1385.94	1	0	271
4	2723-040 1120.00	2733-040 1221.34	2793T-040 1735.76	2793VT-040 1928.56	1	0	271
6	2723-060 2705.80	2733-060 3167.98	2793T-060 4494.84	2793VT-060 4939.44	1	0	271
8	2723-080 5410.06	2733-080 5700.85	2793T-080 6670.97	2793VT-080 7494.49	1	0	271

Schedule 80 PVC Industrial Products & Accessories Y-Pattern Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 Temperature/Pressure De-ratings Apply



True Union Style

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005 79.57	1732-005 84.18	1	12	620
3/4	1722-007 93.36	1732-007 99.48	1	8	620
1	1722-010 111.71	1732-010 119.36	1	8	620
1-1/4	1722-012 136.21	1732-012 149.99	1	4	620
1-1/2	1722-015 182.12	1732-015 192.83	1	0	620
2	1722-020 258.64	1732-020 275.49	2	0	620
3	1722-030 557.07	1732-030 606.05	1	0	620
4	1722-040 945.80	1732-040 1029.99	1	0	620

PVC Clear - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005CL 79.57	1732-005CL 84.18	1	12	621
3/4	1722-007CL 93.36	1732-007CL 99.48	1	8	621
1	1722-010CL 111.71	1732-010CL 119.36	1	8	621
1-1/4	1722-012CL 136.21	1732-012CL 149.99	1	4	621
1-1/2	1722-015CL 182.12	1732-015CL 192.83	1	0	621
2	1722-020CL 258.64	1732-020CL 275.49	2	0	621
3	1722-030CL 557.07	1732-030CL 606.05	1	0	621
4	1722-040CL 945.80	1732-040CL 1029.99	1	0	621

PVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005SR 82.64	1731-005SR 87.24	1	8	620
3/4	1721-007SR 97.94	1731-007SR 104.07	1	8	620
1	1721-010SR 117.85	1731-010SR 125.50	1	8	620
1-1/4	1721-012SR 160.68	1731-012SR 169.87	1	0	620
1-1/2	1721-015SR 197.41	1731-015SR 206.61	1	0	620
2	1721-020SR 278.54	1731-020SR 292.32	1	0	620
3	1721-030SR 598.39	1731-030SR 647.37	1	0	620
4	1721-040SR 988.66	1731-040SR 1072.82	1	0	620

PVC Clear - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005CLSR 82.64	1731-005CLSR 87.24	1	8	621
3/4	1721-007CLSR 97.94	1731-007CLSR 104.07	1	8	621
1	1721-010CLSR 117.85	1731-010CLSR 125.50	1	8	621
1-1/4	1721-012CLSR 160.68	1731-012CLSR 169.87	1	0	621
1-1/2	1721-015CLSR 197.41	1731-015CLSR 206.61	1	0	621
2	1721-020CLSR 278.54	1731-020CLSR 292.32	1	0	621
3	1721-030CLSR 598.39	1731-030CLSR 647.37	1	0	621
4	1721-040CLSR 988.66	1731-040CLSR 1072.82	1	0	621

PVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005 111.71	1733-005 116.31	1	8	620
3/4	1723-007 128.55	1733-007 134.68	1	4	620
1	1723-010 151.50	1733-010 157.63	1	4	620
1-1/4	1723-012 177.52	1733-012 189.77	1	0	620
1-1/2	1723-015 223.44	1733-015 234.17	1	0	620
2	1723-020 313.72	1733-020 329.04	1	0	620
3	1723-030 612.18	1733-030 661.15	1	0	620
4	1723-040 1215.14	1733-040 1288.62	1	0	620

PVC Clear - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005CL 111.71	1733-005CL 116.31	1	8	621
3/4	1723-007CL 128.55	1733-007CL 134.68	1	8	621
1	1723-010CL 151.50	1733-010CL 157.63	1	4	621
1-1/4	1723-012CL 177.52	1733-012CL 189.77	1	0	621
1-1/2	1723-015CL 223.44	1733-015CL 234.17	1	0	621
2	1723-020CL 313.72	1733-020CL 329.04	1	0	621
3	1723-030CL 612.18	1733-030CL 661.15	1	0	621
4	1723-040CL 1215.14	1733-040CL 1288.62	1	0	621



Schedule 80 PVC Industrial Products & Accessories Y-Pattern Valves

PVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005 94.88	173A-005 99.48	1	8	620
3/4	172A-007 110.18	173A-007 116.31	1	8	620
1	172A-010 131.62	173A-010 140.80	1	4	620
1-1/4	172A-012 160.68	173A-012 176.01	2	0	620
1-1/2	172A-015 214.26	173A-015 226.50	2	0	620
2	172A-020 303.03	173A-020 324.46	1	0	620
3	172A-030 655.02	173A-030 711.66	1	0	620
4	172A-040 1112.62	173A-040 1210.59	1	0	620

PVC Clear - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CL 94.88	173B-005CL 99.48	1	8	621
3/4	172B-007CL 110.18	173B-007CL 116.31	1	8	621
1	172B-010CL 131.62	173B-010CL 140.80	1	4	621
1-1/4	172B-012CL 160.68	173B-012CL 176.01	2	0	621
1-1/2	172B-015CL 214.26	173B-015CL 226.50	1	0	621
2	172B-020CL 303.03	173B-020CL 324.46	1	0	621
3	172B-030CL 655.02	173B-030CL 711.66	1	0	621
4	172B-040CL 1112.62	173B-040CL 1210.59	1	0	621

PVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005 94.88	173B-005 99.48	1	8	620
3/4	172B-007 110.18	173B-007 116.31	1	8	620
1	172B-010 131.62	173B-010 140.80	1	4	620
1-1/4	172B-012 160.68	173B-012 176.01	2	0	620
1-1/2	172B-015 214.26	173B-015 226.50	1	0	620
2	172B-020 303.03	173B-020 324.46	1	0	620
3	172B-030 655.02	173B-030 711.66	1	0	620
4	172B-040 1112.62	173B-040 1210.59	1	0	620

PVC Clear - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CLSR 97.94	173B-005CLSR 102.53	1	8	621
3/4	172B-007CLSR 114.78	173B-007CLSR 122.45	1	8	621
1	172B-010CLSR 139.27	173B-010CLSR 146.93	1	4	621
1-1/4	172B-012CLSR 189.77	173B-012CLSR 200.48	2	0	621
1-1/2	172B-015CLSR 232.62	173B-015CLSR 243.34	1	0	621
2	172B-020CLSR 327.51	173B-020CLSR 344.35	1	0	621
3	172B-030CLSR 703.98	173B-030CLSR 762.14	1	0	621
4	172B-040CLSR 1163.12	173B-040CLSR 1262.61	1	0	621

PVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005SR 97.94	173B-005SR 102.53	1	8	620
3/4	172B-007SR 114.78	173B-007SR 122.45	1	8	620
1	172B-010SR 139.27	173B-010SR 146.93	1	4	620
1-1/4	172B-012SR 189.77	173B-012SR 200.48	1	0	620
1-1/2	172B-015SR 232.62	173B-015SR 243.34	1	0	620
2	172B-020SR 327.51	173B-020SR 344.35	1	0	620
3	172B-030SR 703.98	173B-030SR 762.14	1	0	620
4	172B-040SR 1163.12	173B-040SR 1262.61	1	0	620

PVC Clear - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005CL 94.88	173A-005CL 99.48	1	8	621
3/4	172A-007CL 110.18	173A-007CL 116.31	1	8	621
1	172A-010CL 131.62	173A-010CL 140.80	1	4	621
1-1/4	172A-012CL 160.68	173A-012CL 176.01	2	0	621
1-1/2	172A-015CL 214.26	173A-015CL 226.50	2	0	621
2	172A-020CL 303.03	173A-020CL 324.46	1	0	621
3	172A-030CL 655.02	173A-030CL 711.66	1	0	621
4	172A-040CL 1112.62	173A-040CL 1210.59	1	0	621

Schedule 80 PVC Industrial Products & Accessories In-line Tee-Style Filters



Socket/Spigot

All Filters are 2-1/2"x 2-1/2"
Inlet/Outlet Connection

Note: 2-1/2" Socket is also a 3" Spigot

Pressure Rating @ 73°F (23°C), Water
200 psi

Mesh Size Codes

Mesh Size	Size Code
1/16" Holes	16
1/32" Holes	32
50 Mesh	50
76 Mesh	76
100 Mesh	100
150 Mesh	150
200 Mesh	200

Note: Standard flow filtration path is internal to external. Reverse-flow filtration flows from external to internal side of filter screen.

100 GPM PVC Gray Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	TF2-16 686.07	TF3-16 737.06	1	0	295
32	TF2-32 701.54	TF3-32 753.73	1	0	295
50	TF2-50 795.05	TF3-50 900.04	1	0	295
76	TF2-76 960.34	TF3-76 1031.82	1	0	295
100	TF2-100 872.94	TF3-100 937.84	1	0	295
150	TF2-150 904.18	TF3-150 971.35	1	0	295
200	TF2-200 982.23	TF3-200 1055.22	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM PVC Gray Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	MTF2-16 576.82	MTF3-16 619.66	1	0	295
32	MTF2-32 586.16	MTF3-32 629.78	1	0	295
50	MTF2-50 604.83	MTF3-50 649.82	1	0	295
76	MTF2-76 732.61	MTF3-76 787.11	1	0	295
100	MTF2-100 639.11	MTF3-100 686.55	1	0	295
150	MTF2-150 670.34	MTF3-150 720.21	1	0	295
200	MTF2-200 748.22	MTF3-200 803.94	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM PVC Gray Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	TF2-16 686.07	TF3-16 737.06	1	0	295
32	TF2-32 701.54	TF3-32 753.73	1	0	295
50	TFR2-50 795.05	TFR3-50 854.13	1	0	295
76	TFR2-76 960.34	TFR3-76 1031.82	1	0	295
100	TFR2-100 872.94	TFR3-100 937.84	1	0	295
150	TFR2-150 904.18	TFR3-150 971.35	1	0	295
200	TFR2-200 982.23	TFR3-200 1055.22	1	0	295

100 GPM PVC Gray Reverse Tee Filter (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM PVC Gray Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	MTF2-16 576.82	MTF3-16 619.66	1	0	295
32	MTF2-32 586.16	MTF3-32 629.78	1	0	295
50	MTFR2-50 604.83	MTFR3-50 649.82	1	0	295
76	MTFR2-76 732.61	MTFR3-76 787.11	1	0	295
100	MTFR2-100 639.11	MTFR3-100 686.55	1	0	295
150	MTFR2-150 670.34	MTFR3-150 720.21	1	0	295
200	MTFR2-200 748.22	MTFR3-200 803.94	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM Filter Replacement Screens for MTF Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94



Schedule 80 PVC Industrial Products & Accessories
In-line Tee-Style Filters

**50 GPM Reverse Flow Filter Replacement Screens for
MTFR Filters (continued)**

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

Schedule 80 PVC Industrial Products & Accessories Y-Strainers



Socket



Flanged



SR Thread



True Union

Part numbers shown reflect a mesh size of 8. For different mesh sizes, substitute Mesh Code in part number as specified in chart below.

U.S. Standard Mesh Sieve No.	Sieve Opening Size (in.)	Part Number Mesh Code
8	0.094	8
12	0.062	12
20	0.033	20
30	0.024	30

Example: for 12 Mesh, specify

YS22P12-005

Additional Mesh Sizes available on request.

Pressure Rating @ 73°F (23°C), Water

1/2" - 2" 150 psi

3" - 4" 90 psi

Maximum Service Temperature

PVC = 140°F (60°C)

Temperature/Pressure
De-ratings Apply



Schedule 80 PVC Industrial Products & Accessories Y-Strainers

PVC - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22P8-005 82.69	YS22S8-005 163.63	YS32P8-005 90.31	YS32S8-005 179.79	1	18	102
3/4	YS22P8-007 92.39	YS22S8-007 187.12	YS32P8-007 101.81	YS32S8-007 211.04	1	18	102
1	YS22P8-010 101.59	YS22S8-010 221.97	YS32P8-010 111.85	YS32S8-010 244.04	1	12	102
1-1/4	YS22P8-012 172.03	YS22S8-012 320.26	YS32P8-012 191.16	YS32S8-012 353.10	1	8	102
1-1/2	YS22P8-015 182.02	YS22S8-015 341.39	YS32P8-015 202.27	YS32S8-015 374.87	1	8	102
2	YS22P8-020 213.82	YS22S8-020 385.61	YS32P8-020 237.55	YS32S8-020 428.44	1	4	102
3	YS22P8-030 492.79	YS22S8-030 665.73	YS32P8-030 529.53	YS32S8-030 702.47	1	0	102
4	YS22P8-040 861.63	YS22S8-040 1078.95	YS32P8-040 927.45	YS32S8-040 1144.74	1	0	102

PVC - SR Threaded Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21P8-005SR 87.14	YS21S8-005SR 168.09	YS31P8-005SR 94.73	YS31S8-005SR 184.23	1	18	102
3/4	YS21P8-007SR 98.80	YS21S8-007SR 193.52	YS31P8-007SR 108.20	YS31S8-007SR 217.49	1	12	102
1	YS21P8-010SR 111.10	YS21S8-010SR 231.51	YS31P8-010SR 121.37	YS31S8-010SR 253.59	1	8	102
1-1/4	YS21P8-012SR 187.55	YS21S8-012SR 335.78	YS31P8-012SR 206.69	YS31S8-012SR 368.61	1	8	102
1-1/2	YS21P8-015SR 201.09	YS21S8-015SR 360.47	YS31P8-015SR 221.29	YS31S8-015SR 394.05	1	4	102
2	YS21P8-020SR 246.99	YS21S8-020SR 418.78	YS31P8-020SR 270.74	YS31S8-020SR 461.63	1	0	102
3	YS21P8-030SR 534.28	YS21S8-030SR 707.06	YS31P8-030SR 570.86	YS31S8-030SR 1056.17	1	0	102
4	YS21P8-040SR 904.48	YS21S8-040SR 1121.80	YS31P8-040SR 970.28	YS31S8-040SR 1187.62	1	0	102

PVC - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23P8-005 135.16	YS23S8-005 228.61	YS33P8-005 150.03	YS33S8-005 298.77	1	8	102
3/4	YS23P8-007 143.59	YS23S8-007 261.04	YS33P8-007 155.71	YS33S8-007 342.41	1	8	102
1	YS23P8-010 153.32	YS23S8-010 288.54	YS33P8-010 167.02	YS33S8-010 400.97	1	8	102
1-1/4	YS23P8-012 245.78	YS23S8-012 422.85	YS33P8-012 267.96	YS33S8-012 574.54	1	4	102
1-1/2	YS23P8-015 273.89	YS23S8-015 457.01	YS33P8-015 304.12	YS33S8-015 616.53	1	4	102
2	YS23P8-020 344.35	YS23S8-020 544.33	YS33P8-020 377.84	YS33S8-020 700.41	1	0	102
3	YS23P8-030 760.63	YS23S8-030 933.55	YS33P8-030 817.23	YS33S8-030 990.64	1	0	102
4	YS23P8-040 1225.87	YS23S8-040 1443.20	YS33P8-040 1317.70	YS33S8-040 1535.00	1	0	102

PVC Clear - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22P8-005CL 82.69	YS22S8-005CL 163.63	YS32P8-005CL 90.31	YS32S8-005CL 179.79	1	18	103
3/4	YS22P8-007CL 92.39	YS22S8-007CL 187.12	YS32P8-007CL 101.81	YS32S8-007CL 211.04	1	18	103
1	YS22P8-010CL 101.59	YS22S8-010CL 221.97	YS32P8-010CL 111.85	YS32S8-010CL 244.04	1	12	103
1-1/4	YS22P8-012CL 172.03	YS22S8-012CL 320.26	YS32P8-012CL 191.16	YS32S8-012CL 353.10	1	8	103
1-1/2	YS22P8-015CL 182.02	YS22S8-015CL 341.39	YS32P8-015CL 202.27	YS32S8-015CL 374.87	1	8	103
2	YS22P8-020CL 213.82	YS22S8-020CL 417.62	YS32P8-020CL 237.55	YS32S8-020CL 428.44	1	4	103
3	YS22P8-030CL 492.79	YS22S8-030CL 665.73	YS32P8-030CL 529.53	YS32S8-030CL 702.47	1	0	103
4	YS22P8-040CL 861.63	YS22S8-040CL 1078.95	YS32P8-040CL 927.45	YS32S8-040CL 1144.74	1	0	103

Schedule 80 PVC Industrial Products & Accessories
Y-Strainers & True Union Y-Strainers



PVC Clear - SR Threaded Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21P8-005CLSR 87.14	YS21S8-005CLSR 168.09	YS31P8-005CLSR 94.73	YS31S8-005CLSR 184.23	1	18	103
3/4	YS21P8-007CLSR 98.80	YS21S8-007CLSR 193.52	YS31P8-007CLSR 108.20	YS31S8-007CLSR 217.49	1	12	103
1	YS21P8-010CLSR 111.10	YS21S8-010CLSR 231.51	YS31P8-010CLSR 121.37	YS31S8-010CLSR 253.59	1	8	103
1-1/4	YS21P8-012CLSR 187.55	YS21S8-012CLSR 335.78	YS31P8-012CLSR 206.69	YS31S8-012CLSR 368.61	1	8	103
1-1/2	YS21P8-015CLSR 201.09	YS21S8-015CLSR 360.47	YS31P8-015CLSR 221.29	YS31S8-015CLSR 394.05	1	4	103
2	YS21P8-020CLSR 246.99	YS21S8-020CLSR 418.78	YS31P8-020CLSR 270.74	YS31S8-020CLSR 461.63	1	0	103
3	YS21P8-030CLSR 534.28	YS21S8-030CLSR 707.06	YS31P8-030CLSR 570.86	YS31S8-030CLSR 743.78	1	0	103
4	YS21P8-040CLSR 904.48	YS21S8-040CLSR 1121.80	YS31P8-040CLSR 970.28	YS31S8-040CLSR 1187.62	1	0	103

PVC Clear - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23P8-005CL 135.16	YS23S8-005CL 228.61	YS33P8-005CL 150.03	YS33S8-005CL 298.77	1	8	103
3/4	YS23P8-007CL 143.59	YS23S8-007CL 261.04	YS33P8-007CL 155.71	YS33S8-007CL 342.41	1	8	103
1	YS23P8-010CL 153.32	YS23S8-010CL 288.54	YS33P8-010CL 167.02	YS33S8-010CL 400.97	1	8	103
1-1/4	YS23P8-012CL 245.78	YS23S8-012CL 422.85	YS33P8-012CL 267.96	YS33S8-012CL 574.54	1	4	103
1-1/2	YS23P8-015CL 273.89	YS23S8-015CL 457.01	YS33P8-015CL 304.12	YS33S8-015CL 616.53	1	4	103
2	YS23P8-020CL 344.35	YS23S8-020CL 544.33	YS33P8-020CL 377.84	YS33S8-020CL 700.41	1	0	103
3	YS23P8-030CL 760.63	YS23S8-030CL 933.55	YS33P8-030CL 817.23	YS33S8-030CL 990.64	1	0	103
4	YS23P8-040CL 1225.87	YS23S8-040CL 1443.20	YS33P8-040CL 1317.70	YS33S8-040CL 1535.00	1	0	103

PVC Gray - True Union Socket Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AP8-005 87.05	YS2AS8-005 172.23	YS3AP8-005 95.07	YS3AS8-005 189.26	1	12	102
3/4	YS2AP8-007 97.24	YS2AS8-007 196.96	YS3AP8-007 107.16	YS3AS8-007 222.17	1	8	102
1	YS2AP8-010 106.91	YS2AS8-010 233.66	YS3AP8-010 117.71	YS3AS8-010 256.91	1	8	102
1-1/4	YS2AP8-012 181.09	YS2AS8-012 337.72	YS3AP8-012 201.23	YS3AS8-012 371.66	1	4	102
1-1/2	YS2AP8-015 191.62	YS2AS8-015 359.36	YS3AP8-015 212.90	YS3AS8-015 394.62	1	0	102
2	YS2AP8-020 225.06	YS2AS8-020 405.88	YS3AP8-020 250.07	YS3AS8-020 451.00	1	0	102
3	YS2AP8-030 518.74	YS2AS8-030 700.76	YS3AP8-030 557.39	YS3AS8-030 739.44	1	0	102
4	YS2AP8-040 906.98	YS2AS8-040 1135.74	YS3AP8-040 976.23	YS3AS8-040 1205.00	1	0	102

PVC Gray - True Union Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005 87.05	YS2BS8-005 172.23	YS3BP8-005 95.07	YS3BS8-005 189.26	1	12	102
3/4	YS2BP8-007 97.24	YS2BS8-007 196.96	YS3BP8-007 107.16	YS3BS8-007 222.17	1	8	102
1	YS2BP8-010 106.91	YS2BS8-010 233.66	YS3BP8-010 117.71	YS3BS8-010 256.91	1	8	102
1-1/4	YS2BP8-012 181.09	YS2BS8-012 337.72	YS3BP8-012 201.23	YS3BS8-012 371.66	1	4	102
1-1/2	YS2BP8-015 191.62	YS2BS8-015 359.36	YS3BP8-015 212.90	YS3BS8-015 394.62	1	0	102
2	YS2BP8-020 225.06	YS2BS8-020 405.88	YS3BP8-020 250.07	YS3BS8-020 451.00	1	0	102
3	YS2BP8-030 518.74	YS2BS8-030 700.76	YS3BP8-030 557.39	YS3BS8-030 739.44	1	0	102



Schedule 80 PVC Industrial Products & Accessories True Union Y-Strainers

PVC Gray - True Union Threaded Ends (continued)

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
4	YS2BP8-040 906.98	YS2BS8-040 1135.74	YS3BP8-040 976.23	YS3BS8-040 1205.00	1	0	102

PVC Gray - True Union SR Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005SR 91.71	YS2BS8-005SR 176.91	YS3BP8-005SR 99.74	YS3BS8-005SR 193.95	1	12	102
3/4	YS2BP8-007SR 104.02	YS2BS8-007SR 203.71	YS3BP8-007SR 113.89	YS3BS8-007SR 228.93	1	8	102
1	YS2BP8-010SR 116.93	YS2BS8-010SR 243.66	YS3BP8-010SR 127.73	YS3BS8-010SR 266.93	1	8	102
1-1/4	YS2BP8-012SR 197.41	YS2BS8-012SR 353.45	YS3BP8-012SR 217.56	YS3BS8-012SR 388.00	1	4	102
1-1/2	YS2BP8-015SR 211.66	YS2BS8-015SR 379.44	YS3BP8-015SR 232.95	YS3BS8-015SR 414.79	1	0	102
2	YS2BP8-020SR 259.98	YS2BS8-020SR 440.81	YS3BP8-020SR 285.00	YS3BS8-020SR 485.94	1	0	102
3	YS2BP8-030SR 562.23	YS2BS8-030SR 744.27	YS3BP8-030SR 600.88	YS3BS8-030SR 782.94	1	0	102
4	YS2BP8-040SR 952.11	YS2BS8-040SR 1180.85	YS3BP8-040SR 1021.37	YS3BS8-040SR 1250.12	1	0	102

PVC Clear - True Union Socket Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AP8-005CL 87.05	YS2AS8-005CL 172.23	YS3AP8-005CL 95.07	YS3AS8-005CL 189.26	1	12	103
3/4	YS2AP8-007CL 97.24	YS2AS8-007CL 196.96	YS3AP8-007CL 107.16	YS3AS8-007CL 222.17	1	8	103
1	YS2AP8-010CL 106.91	YS2AS8-010CL 233.66	YS3AP8-010CL 117.71	YS3AS8-010CL 256.91	1	8	103
1-1/4	YS2AP8-012CL 181.09	YS2AS8-012CL 337.12	YS3AP8-012CL 201.23	YS3AS8-012CL 371.66	1	4	103
1-1/2	YS2AP8-015CL 191.62	YS2AS8-015CL 359.36	YS3AP8-015CL 212.90	YS3AS8-015CL 394.62	1	0	103
2	YS2AP8-020CL 225.06	YS2AS8-020CL 405.88	YS3AP8-020CL 250.07	YS3AS8-020CL 451.00	1	0	103
3	YS2AP8-030CL 518.74	YS2AS8-030CL 700.76	YS3AP8-030CL 557.39	YS3AS8-030CL 739.44	1	0	103
4	YS2AP8-040CL 906.98	YS2AS8-040CL 1135.74	YS3AP8-040CL 976.23	YS3AS8-040CL 1205.00	1	0	103

PVC Clear - True Union Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005CL 87.05	YS2BS8-005CL 172.23	YS3BP8-005CL 95.07	YS3BS8-005CL 189.26	1	12	103
3/4	YS2BP8-007CL 97.24	YS2BS8-007CL 196.96	YS3BP8-007CL 107.16	YS3BS8-007CL 222.17	1	8	103
1	YS2BP8-010CL 106.91	YS2BS8-010CL 233.67	YS3BP8-010CL 117.71	YS3BS8-010CL 256.91	1	8	103
1-1/4	YS2BP8-012CL 181.09	YS2BS8-012CL 337.12	YS3BP8-012CL 201.23	YS3BS8-012CL 371.66	1	4	103
1-1/2	YS2BP8-015CL 191.62	YS2BS8-015CL 359.36	YS3BP8-015CL 212.90	YS3BS8-015CL 394.62	1	0	103
2	YS2BP8-020CL 225.06	YS2BS8-020CL 405.88	YS3BP8-020CL 250.07	YS3BS8-020CL 451.00	1	0	103
3	YS2BP8-030CL 518.74	YS2BS8-030CL 700.76	YS3BP8-030CL 557.39	YS3BS8-030CL 739.44	1	0	103
4	YS2BP8-040CL 906.98	YS2BS8-040CL 1135.74	YS3BP8-040CL 976.23	YS3BS8-040CL 1205.00	1	0	103

PVC Clear - True Union SR Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005CLSR 91.71	YS2BS8-005CLSR 176.91	YS3BP8-005CLSR 99.74	YS3BS8-005CLSR 193.95	1	12	103
3/4	YS2BP8-007CLSR 104.02	YS2BS8-007CLSR 203.71	YS3BP8-007CLSR 113.89	YS3BS8-007CLSR 228.93	1	8	103
1	YS2BP8-010CLSR 116.93	YS2BS8-010CLSR 243.66	YS3BP8-010CLSR 127.73	YS3BS8-010CLSR 266.93	1	8	103
1-1/4	YS2BP8-012CLSR 197.41	YS2BS8-012CLSR 353.45	YS3BP8-012CLSR 217.56	YS3BS8-012CLSR 388.00	1	4	103
1-1/2	YS2BP8-015CLSR 211.66	YS2BS8-015CLSR 379.44	YS3BP8-015CLSR 232.95	YS3BS8-015CLSR 414.79	1	0	103

**Schedule 80 PVC Industrial Products & Accessories
True Union Y-Strainers**



PVC Clear - True Union SR Threaded Ends (continued)

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
2	YS2BP8-020CLSR 259.98	YS2BS8-020CLSR 440.81	YS3BP8-020CLSR 285.00	YS3BS8-020CLSR 485.94	1	0	103
3	YS2BP8-030CLSR 562.23	YS2BS8-030CLSR 744.27	YS3BP8-030CLSR 600.88	YS3BS8-030CLSR 782.94	1	0	103
4	YS2BP8-040CLSR 952.11	YS2BS8-040CLSR 1180.85	YS3BP8-040CLSR 1021.37	YS3BS8-040CLSR 1250.12	1	0	103



Schedule 80 PVC Industrial Products & Accessories Basket Strainers



Pressure Rating
@ 73°F (23°C), Water

1/2"-8"	150 psi
10"-12"	50 psi

Maximum Service
Temperature

PVC = 140°F (60°C)

Temperature/Pressure
De-ratings Apply

Important Ordering Information - Column headings indicate Elastomer seal type and Strainer Basket screen material. All Part Numbers shown designate 1/8" perforated (#6 Mesh Code) Strainer Basket Screens. To order other screen perforation sizing, replace the number "6" preceding the dash-separator with the corresponding Mesh Code from chart. Pricing is the same for all listed Mesh Codes.

Perforation Size	Mesh Code
1/16"	12
3/32"	8
1/8"	6
3/16"	4
1/4"	3
3/8"	2

Example: To order a 1/16" screen perforation in listed part number BS22P6-020, change the part number to BS22P12-020

Contact Spears® for additional perforations & wire mesh sizes

PVC - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS22P6-005 386.71	BS22S6-005 618.43	BS32P6-005 407.06	BS32S6-005 638.78	1	2	295
3/4	BS22P6-007 386.71	BS22S6-007 618.43	BS32P6-007 407.06	BS32S6-007 638.78	1	2	295
1	BS22P6-010 386.71	BS22S6-010 618.43	BS32P6-010 407.06	BS32S6-010 638.78	1	2	295
1-1/4	BS22P6-012 708.31	BS22S6-012 1016.26	BS32P6-012 795.65	BS32S6-012 1142.12	1	0	295
1-1/2	BS22P6-015 708.31	BS22S6-015 1016.26	BS32P6-015 795.65	BS32S6-015 1142.12	1	0	295
2	BS22P6-020 708.31	BS22S6-020 1016.26	BS32P6-020 795.65	BS32S6-020 1142.12	1	0	295
2-1/2	BS22P6-025 1339.59	BS22S6-025 1874.63	BS32P6-025 1505.88	BS32S6-025 2106.39	1	0	295
3	BS22P6-030 1634.47	BS22S6-030 2168.95	BS32P6-030 1836.53	BS32S6-030 2437.06	1	0	295
4	BS22P6-040 2164.52	BS22S6-040 2779.24	BS32P6-040 2432.03	BS32S6-040 3114.18	1	0	295
6	BS22P6-060 3090.12	BS22S6-060 4153.51	BS32P6-060 3472.16	BS32S6-060 4672.60	1	0	295
8	BS22P6-080 4118.85	BS22S6-080 5564.30	BS32P6-080 4628.90	BS32S6-080 6253.35	1	0	295
10	BS22P6-100 7893.20	BS22S6-100 9958.39	BS32P6-100 8632.28	BS32S6-100 10951.54	1	0	295
12	BS22P6-120 9779.41	BS22S6-120 12527.86	BS32P6-120 10755.21	BS32S6-120 13840.53	1	0	295

PVC - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS23P6-005 445.77	BS23S6-005 677.48	BS33P6-005 468.12	BS33S6-005 699.84	1	0	295
3/4	BS23P6-007 445.77	BS23S6-007 677.48	BS33P6-007 468.12	BS33S6-007 699.84	1	0	295
1	BS23P6-010 445.77	BS23S6-010 677.48	BS33P6-010 468.12	BS33S6-010 699.84	1	0	295
1-1/4	BS23P6-012 842.03	BS23S6-012 1150.96	BS33P6-012 946.95	BS33S6-012 1293.41	1	0	295
1-1/2	BS23P6-015 842.03	BS23S6-015 1126.73	BS33P6-015 946.95	BS33S6-015 1293.41	1	0	295
2	BS23P6-020 842.03	BS23S6-020 1150.96	BS33P6-020 946.95	BS33S6-020 1293.41	1	0	295

Schedule 80 PVC Industrial Products & Accessories
Basket Strainers



PVC - Flanged Ends (continued)

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
2-1/2	BS23P6-025 1545.52	BS23S6-025 2080.03	BS33P6-025 1736.66	BS33S6-025 2337.17	1	0	295
3	BS23P6-030 1962.23	BS23S6-030 2495.96	BS33P6-030 2204.74	BS33S6-030 2804.29	1	0	295
4	BS23P6-040 2557.34	BS23S6-040 3165.56	BS33P6-040 2873.57	BS33S6-040 3556.85	1	0	295
6	BS23P6-060 5458.09	BS23S6-060 6521.29	BS33P6-060 6132.66	BS33S6-060 7327.32	1	0	295
8	BS23P6-080 7192.60	BS23S6-080 8638.06	BS33P6-080 8081.84	BS33S6-080 9706.24	1	0	295
10	BS23P6-100 9589.24	BS23S6-100 11654.27	BS33P6-100 10774.48	BS33S6-100 13094.70	1	0	295
12	BS23P6-120 13121.45	BS23S6-120 15871.65	BS33P6-120 14743.20	BS33S6-120 17833.31	1	0	295

PVC - Spigot Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS27P6-005 386.71	BS27S6-005 618.43	BS37P6-005 407.06	BS37S6-005 638.78	1	0	295
3/4	BS27P6-007 386.71	BS27S6-007 618.43	BS37P6-007 407.06	BS37S6-007 638.78	1	0	295
1	BS27P6-010 386.71	BS27S6-010 618.43	BS37P6-010 407.06	BS37S6-010 638.78	1	0	295
1-1/4	BS27P6-012 708.31	BS27S6-012 1016.26	BS37P6-012 795.65	BS37S6-012 1142.12	1	0	295
1-1/2	BS27P6-015 708.31	BS27S6-015 1016.26	BS37P6-015 795.65	BS37S6-015 1142.12	1	0	295
2	BS27P6-020 708.31	BS27S6-020 1016.26	BS37P6-020 795.65	BS37S6-020 1142.12	1	0	295
2-1/2	BS27P6-025 1339.59	BS27S6-025 1874.65	BS37P6-025 1505.88	BS37S6-025 2106.39	1	0	295
3	BS27P6-030 1634.47	BS27S6-030 2168.95	BS37P6-030 1836.53	BS37S6-030 2437.06	1	0	295
4	BS27P6-040 2164.52	BS27S6-040 2779.24	BS37P6-040 2432.03	BS37S6-040 3114.18	1	0	295
6	BS27P6-060 3090.12	BS27S6-060 4153.51	BS37P6-060 3472.16	BS37S6-060 4672.60	1	0	295
8	BS27P6-080 4118.85	BS27S6-080 5564.30	BS37P6-080 4628.90	BS37S6-080 6253.35	1	0	295
10	BS27P6-100 7893.20	BS27S6-100 9958.39	BS37P6-100 8632.28	BS37S6-100 10951.54	1	0	295
12	BS27P6-120 9779.41	BS27S6-120 12527.86	BS37P6-120 10755.21	BS37S6-120 13840.53	1	0	295



Schedule 80 PVC Industrial Products & Accessories Suction Strainers



Pressure Rating @ 73°F (23°C), Water
50 psi

Maximum Service Temperature
PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

Suction Strainer is a special Basket Strainer design that reduces pressure drop, a critical element in suction line applications. While same-size (inlet/outlet) units are available, enlarged inlet on reducing sizes performs best in suction line applications. The internal Strainer Basket is bottom-drained for direct flushing through a 360° adjustable side mounted Discharge Valve Assembly (included). Bolt-on Bonnet is fitted with Top Sight-Glass.

Standard units listed have EPDM Seals and Stainless Steel 3/16" Perforated Screen (4-mesh). Contact Spears® for other Mesh Code or Elastomer seal options required.

PVC Suction Strainer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flanged End

SS23BS4SG-040	4	1	0	295	2831.29
SS23BS4SG-420	4X2	1	0	295	2697.00
SS23BS4SG-421	4X2-1/2	1	0	295	2707.55
SS23BS4SG-422	4X3	1	0	295	2714.44
SS23BS4SG-060	6	1	0	295	3693.15
SS23BS4SG-532	6X4	1	0	295	3567.91
SS23BS4SG-080	8	1	0	295	4056.43
SS23BS4SG-582	8X4	1	0	295	3688.55
SS23BS4SG-585	8X6	1	0	295	3709.95
SS23BS4SG-100	10	1	0	295	4537.73
SS23BS4SG-626	10X6	1	0	295	4416.21
SS23BS4SG-628	10X8	1	0	295	4466.51
SS23BS4SG-120	12	1	0	295	4989.30
SS23BS4SG-668	12X8	1	0	295	4868.68
SS23BS4SG-670	12X10	1	0	295	4909.68

Suction Strainer Stainless Steel Baskets

3/16" Perforation

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SSS4-040	4	1	4	299	785.17
SSS4-060	6	1	2	299	835.29
SSS4-080	8	1	2	299	1046.74
SSS4-100	10	1	0	299	1137.77
SSS4-120	12	1	2	299	1394.84

Schedule 80 CPVC Industrial Products & Accessories
CPVC Industrial Pipe



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Schedule 40 Plain End
10' Lengths, Price Per Foot

List Price Per Foot

PD-400-001C-10	1/8	10	0	745	3.21
PD-400-002C-10	1/4	10	0	745	4.02
PD-400-003C-10	3/8	10	0	745	5.67
PD-400-005C-10	1/2	10	0	745	1.69
PD-400-007C-10	3/4	10	0	745	2.25
PD-400-010C-10	1	10	0	745	3.29
PD-400-012C-10	1-1/4	10	0	745	4.45
PD-400-015C-10	1-1/2	10	0	745	5.33
PD-400-020C-10	2	10	0	745	7.14
PD-400-025C-10	2-1/2	10	0	745	11.29
PD-400-030C-10	3	10	0	745	14.74
PD-400-040C-10	4	10	0	745	21.00
PD-400-060C-10	6	10	0	745	38.76
PD-400-080C-10	8	10	0	745	63.12
PD-400-100C-10	10	10	0	745	107.94
PD-400-120C-10	12	10	0	745	142.59

20' Lengths, Price Per Foot

List Price Per Foot

PD-400-001C	1/8	20	0	745	3.21
PD-400-002C	1/4	20	0	745	4.02
PD-400-003C	3/8	20	0	745	5.67
PD-400-005C	1/2	20	0	745	1.69
PD-400-007C	3/4	20	0	745	2.25
PD-400-010C	1	20	0	745	3.29
PD-400-012C	1-1/4	20	0	745	4.45
PD-400-015C	1-1/2	20	0	745	5.33
PD-400-020C	2	20	0	745	7.14
PD-400-025C	2-1/2	20	0	745	11.29
PD-400-030C	3	20	0	745	14.74
PD-400-040C	4	20	0	745	21.00
PD-400-060C	6	20	0	745	38.76
PD-400-080C	8	20	0	745	63.12
PD-400-100C	10	20	0	745	107.94
PD-400-120C	12	20	0	745	142.59

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Schedule 80 Plain End
10' Lengths, Price Per Foot

List Price Per Foot

PD-800-001C-10	1/8	10	0	745	3.98
PD-800-002C-10	1/4	10	0	745	4.59
PD-800-003C-10	3/8	10	0	745	6.25
PD-800-005C-10	1/2	10	0	745	1.98
PD-800-007C-10	3/4	10	0	745	2.69
PD-800-010C-10	1	10	0	745	3.96
PD-800-012C-10	1-1/4	10	0	745	5.45
PD-800-015C-10	1-1/2	10	0	745	6.62
PD-800-020C-10	2	10	0	745	9.17
PD-800-025C-10	2-1/2	10	0	745	13.98
PD-800-030C-10	3	10	0	745	18.74
PD-800-040C-10	4	10	0	745	27.40
PD-800-060C-10	6	10	0	745	53.32
PD-800-080C-10	8	10	0	745	88.43
PD-800-100C-10	10	10	0	745	160.37
PD-800-120C-10	12	10	0	745	220.46

20' Lengths, Price Per Foot

List Price Per Foot

PD-800-001C	1/8	20	0	745	3.98
PD-800-002C	1/4	20	0	745	4.59
PD-800-003C	3/8	20	0	745	6.25
PD-800-005C	1/2	20	0	745	1.98
PD-800-007C	3/4	20	0	745	2.69
PD-800-010C	1	20	0	745	3.96
PD-800-012C	1-1/4	20	0	745	5.45
PD-800-015C	1-1/2	20	0	745	6.62
PD-800-020C	2	20	0	745	9.17
PD-800-025C	2-1/2	20	0	745	13.98
PD-800-030C	3	20	0	745	18.74
PD-800-040C	4	20	0	745	27.40
PD-800-060C	6	20	0	745	53.32
PD-800-080C	8	20	0	745	88.43
PD-800-100C	10	20	0	745	160.37
PD-800-120C	12	20	0	745	220.46

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

ASTM D-1784 ASTM F-441		Schedule 40 CPVC Plain End Pipe				
Size	Max Work Pressure	Avg OD	Min Wall	10' Length Skid Quantity FT/Pieces	20' Length Skid Quantity FT/Pieces	Weight Per FT
1/8"	910	0.405	0.068	2850/285	5700/285	.056
1/4"	790	0.540	0.088	2850/285	5700/285	.096
3/8"	620	0.675	0.091	2850/285	5700/285	.128
1/2"	600	0.840	0.109	2430/243	4860/243	.185
3/4"	480	1.050	0.113	1540/154	3080/154	.246
1"	450	1.315	0.133	2520/252	5040/252	.362
1-1/4"	370	1.660	0.140	1230/123	2460/123	.489
1-1/2"	330	1.900	0.145	1720/172	3440/172	.585
2"	280	2.375	0.154	1230/123	2460/123	.783
2-1/2"	300	2.875	0.203	540/54	1080/54	1.237
3"	260	3.500	0.216	460/46	920/46	1.619
4"	220	4.500	0.237	340/34	680/34	2.306
6"	180	6.625	0.280	170/17	340/17	4.603
8"	160	8.625	0.322	90/9	180/9	6.136
10"	140	10.750	0.365	110/11	140/7	8.886
12"	130	12.750	0.406	80/8	100/5	11.751

ASTM D-1784 ASTM F-441		Schedule 80 CPVC Plain End Pipe				
Size	Max Work Pressure	Avg OD	Min Wall	10' Length Skid Quantity FT/Pieces	20' Length Skid Quantity FT/Pieces	Weight Per FT
1/8"	1230	0.405	0.095	2850/285	5700/285	.069
1/4"	1130	0.540	0.119	2850/285	5700/285	.117
3/8"	920	0.675	0.126	2850/285	5700/285	.162
1/2"	850	0.840	0.147	2430/243	4860/243	.231
3/4"	690	1.050	0.154	1540/154	3080/154	.314
1"	630	1.315	0.179	2520/252	5040/252	.462
1-1/4"	520	1.660	0.191	1230/123	2460/123	.636
1-1/2"	470	1.900	0.200	1720/172	3440/172	.773
2"	400	2.375	0.218	1230/123	2460/123	1.071
2-1/2"	420	2.875	0.276	540/54	1080/54	1.631
3"	370	3.500	0.300	460/46	920/46	2.187
4"	320	4.500	0.337	340/34	680/34	3.198
6"	280	6.625	0.432	170/17	340/17	6.106
8"	250	8.625	0.500	90/9	180/9	9.322
10"	230	10.750	0.593	110/11	140/7	14.095
12"	230	12.750	0.687	80/8	100/5	19.392



Schedule 80 CPVC Industrial Products & Accessories CPVC Low VOC Cements

Heavy bodied cements are specifically formulated for CPVC plastic pipe and fittings including a variety of One-Step (no primer required) CPVC specialty cements. These products are ideal for use in hot/cold water plumbing systems, water treatment and chemical plants, as well as industrial piping systems.

- Low VOC emissions comply with *SCAQMD Rule 1168/316A*
- 2-Year Shelf Life

CPVC-24 GRAY/ORANGE: Heavy bodied, medium setting CPVC cement for all classes and schedules with interference fit through 24" diameter. High-strength, chemical-resistant solvent cement for use with CPVC piping systems carrying acids, bases, salts, and sodium hypochlorite. Ideal for use in waste water plants. Recommended for use on PVC industrial piping systems for chemical applications; best choice for both PVC and CPVC fume & air duct systems. Listings: ASTM F493, NSF®-PW, DWV, SW, U.P. Code.



The Most Chemically Resistant Cement Available for Both PVC & CPVC Applications

CPVC-24 Gray Heavy Body CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CPVC24G-020	Pint	12	0	707	23.30
CPVC24G-030	Quart	12	0	707	41.15
CPVC24G-040	Gallon	6	0	707	142.10

CPVC-24 Orange Heavy Body CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CPVC24O-020	Pint	12	0	707	23.30
CPVC24O-030	Quart	12	0	707	41.15
CPVC24O-040	Gallon	6	0	707	142.10

Schedule 80 CPVC Industrial Products & Accessories
Low VOC Solvent Primers & Cleaners



Spears® Low VOC Primers & Cleaners

Primers are used for the surface preparation of plastic pipe and fittings, which is necessary for the proper solvent welding of these materials. Cleaner aids in pre-cleaning to remove oil and grease. All Spears® Primers and Cleaners are low VOC products, which are environmentally friendly with lower emissions and reduced odor, surpassing the most stringent regulations and comply with SCAQMD Rule 1168/316A.

PRIMER-70 INDUSTRIAL GRADE PURPLE/CLEAR:

Premium, industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces. Specially recommended for use on Schedule 80 (150 psi and higher) and large size pipe. Excellent for cold weather applications. Listings: ASTM F656, NSF®-PW, DWV, SW, U.P. Code (Purple Only).



PRIMER-70 Clear Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70C-005	1/4 Pint	24	0	709	7.05
PRIM70C-010	1/2 Pint	24	0	709	9.60
PRIM70C-020	Pint	12	0	709	19.20
PRIM70C-030	Quart	12	0	709	31.10
PRIM70C-040	Gallon	6	0	709	102.20



PRIMER-70 Purple Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70P-005	1/4 Pint	24	0	709	7.05
PRIM70P-010	1/2 Pint	24	0	709	9.60
PRIM70P-020	Pint	12	0	709	19.20
PRIM70P-030	Quart	12	0	709	31.10
PRIM70P-040	Gallon	6	0	709	102.20

CLEANER-65 CLEAR CLEANER: Water-thin cleaner recommended for use before priming of pipe and fittings to remove dirt, oil and grease from the bonding surfaces of PVC, CPVC, ABS and Styrene.



CLEANER-65 Clear Cleaner

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CLEAN65-005	1/4 Pint	24	0	709	5.20
CLEAN65-010	1/2 Pint	24	0	709	7.75
CLEAN65-020	Pint	12	0	709	13.45
CLEAN65-030	Quart	12	0	709	19.75
CLEAN65-040	Gallon	6	0	709	63.25



Schedule 80 CPVC Industrial Products & Accessories

CPVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee Soc



801-002C	1/4	50	300	090	13.45
801-003C	3/8	25	150	090	13.45
801-005C	1/2	25	200	090	13.45
801-007C	3/4	15	120	090	13.69
801-010C	1	15	0	090	16.78
801-012C	1-1/4	10	0	090	35.39
801-015C	1-1/2	10	0	090	40.54
801-020C	2	10	0	090	45.12
801-025C	2-1/2	10	0	090	114.86
801-030C	3	5	0	090	114.86
801-040C	4	5	0	090	152.86
801-050C	5	5	0	090	377.89
801-060C	6	2	0	090	397.80
801-080C	8	2	0	090	1139.51
801-100C	10	1	0	091	2254.29
801-100CF	10	1	0	097	1676.31
801-120C	12	1	0	091	3483.94
801-120CF	12	1	0	097	2287.81
801-140CF	14	1	0	097	5976.93
801-160CF	16	1	0	097	8538.46
801-180CF	18	1	0	097	10008.82
801-200CF	20	1	0	097	15144.59
801-240CF	24	1	0	097	21257.22

Tee Soc x Fipt



802-002C	1/4	25	150	090	34.14
802-005C	1/2	20	120	090	34.14
802-007C	3/4	20	160	090	45.53
802-010C	1	15	0	090	56.91
802-012C	1-1/4	15	0	090	66.89
802-015C	1-1/2	10	0	090	66.89
802-020C	2	10	0	090	84.01
802-030C	3	5	0	090	100.12
802-040C	4	5	0	090	188.11
802-060CF	6	1	2	097	384.99

Special Reinforced Tee Soc x SR Fipt - Stainless Steel Collar



802-005CSR	1/2	50	0	096	18.69
802-007CSR	3/4	15	120	096	27.31
802-010CSR	1	15	0	096	34.36
802-012CSR	1-1/4	15	0	096	39.86
802-015CSR	1-1/2	10	0	096	39.86
802-020CSR	2	10	0	096	65.16
802-030CSR	3	5	0	096	93.84
802-040CSR	4	5	0	096	176.79

Transition Tee Soc x Fipt With Brass Thread Insert



802-005CBR	1/2	20	160	096	55.46
802-007CBR	3/4	25	0	096	110.91

Not intended to convey or dispense water for human consumption through drinking or cooking

Tee Fipt

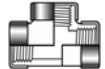


805-002C	1/4	25	150	090	29.89
805-003C	3/8	25	150	090	29.89

Tee (continued) Fipt

805-005C	1/2	20	120	090	29.89
805-007C	3/4	15	120	090	43.05
805-010C	1	15	0	090	46.37
805-012C	1-1/4	10	0	090	46.64
805-015C	1-1/2	10	0	090	48.97
805-020C	2	10	0	090	54.40
805-025C	2-1/2	5	0	090	267.44
805-030C	3	5	0	090	310.30
805-040C	4	5	0	090	735.11

Special Reinforced Tee SR Fipt - Stainless Steel Collar



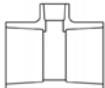
805-002CSR	1/4	20	160	096	16.72
805-003CSR	3/8	25	150	096	16.72
805-005CSR	1/2	25	150	096	22.37
805-007CSR	3/4	25	100	096	25.63
805-010CSR	1	15	0	096	38.28
805-015CSR	1-1/2	10	0	096	40.64
805-020CSR	2	10	0	096	48.39

Street Tee Spig x Soc x Soc



844-005C	1/2	25	200	090	16.83
844-007C	3/4	15	120	090	17.12
844-010C	1	15	0	090	20.98
844-012C	1-1/4	10	0	090	44.22
844-015C	1-1/2	10	0	090	50.69
844-020C	2	10	0	090	56.43

Reducing Tee Soc



801-101C	3/4X1/2	15	120	090	30.01
801-130C	1X1/2	15	0	090	34.59
801-131C	1X3/4	15	0	090	34.59
801-158C	1-1/4X1X1	15	0	090	42.90
801-159C	1-1/4X1X1-1/4	15	0	090	42.90
801-166C ¹	1-1/4X1/2	10	0	090	79.32
801-167C	1-1/4X3/4	12	0	090	67.69
801-168C	1-1/4X1	15	0	090	67.69
801-202C	1-1/2X1-1/4X1	10	0	090	67.69
801-209C	1-1/2X1/2	10	0	090	70.70
801-210C	1-1/2X3/4	15	0	090	70.70
801-211C	1-1/2X1	10	0	090	70.70
801-212C	1-1/2X1-1/4	10	0	090	70.70
801-247C	2X1/2	10	0	090	84.22
801-248C	2X3/4	10	0	090	84.22
801-249C	2X1	10	0	090	84.22
801-250C ¹	2X1-1/4	10	0	090	116.69
801-251C	2X1-1/2	10	0	090	84.22
801-287C	2-1/2X1/2	10	0	090	96.71
801-288C	2-1/2X3/4	10	0	090	96.71
801-289C	2-1/2X1	10	0	090	96.71
801-290C	2-1/2X1-1/4	10	0	090	96.71
801-291C	2-1/2X1-1/2	10	0	090	96.71
801-292C	2-1/2X2	10	0	090	100.10
801-333C ¹	3X1/2	5	0	090	212.88
801-334C ¹	3X3/4	5	0	090	212.88
801-335C	3X3X1	5	0	090	171.84
801-336C ¹	3X1-1/4	5	0	090	206.10
801-337C	3X3X1-1/2	5	0	090	171.84
801-338C	3X2	5	0	090	171.84
801-339C	3X2-1/2	5	0	090	171.84

Schedule 80 CPVC Industrial Products & Accessories
CPVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Soc

801-415C ¹	4X1/2	5	0	090	261.33
801-416C ¹	4X3/4	5	0	090	261.33
801-417C ¹	4X1	4	0	090	261.33
801-418C ¹	4X1-1/4	5	0	090	261.33
801-419C	4X1-1/2	5	0	090	261.33
801-420C	4X2	5	0	090	217.19
801-421C ¹	4X2-1/2	5	0	090	292.26
801-422C	4X3	5	0	090	217.19
801-426C ¹	4X6	4	0	090	752.89
801-525C	6X1	4	0	090	747.04
801-525CF	6X1	1	3	097	339.74
801-526C ¹	6X1-1/4	4	0	090	747.04
801-526CF	6X1-1/4	1	0	097	413.83
801-527C ¹	6X1-1/2	4	0	090	747.04
801-527CF	6X1-1/2	1	4	097	387.19
801-528C ¹	6X2	4	0	090	694.09
801-528CF	6X2	1	3	097	405.80
801-529C ¹	6X2-1/2	4	0	090	766.27
801-529CF	6X2-1/2	1	3	097	423.38
801-530C ¹	6X3	4	0	090	694.09
801-530CF	6X3	1	3	097	443.77
801-532C	6X4	5	0	090	613.41
801-575CF	8X1	1	2	097	476.43
801-576CF	8X1-1/4	1	0	097	484.01
801-577CF	8X1-1/2	1	0	097	487.60
801-578C ¹	8X2	2	0	090	1296.79
801-578CF	8X2	1	2	097	542.44
801-579CF	8X2-1/2	1	2	097	589.53
801-580C ¹	8X3	2	0	090	1296.79
801-580CF	8X3	1	2	097	665.24
801-582C ¹	8X4	2	0	090	1296.79
801-582CF	8X4	1	2	097	715.80
801-585C	8X6	2	0	090	1126.03
801-618CF	10X1	1	0	097	742.52
801-619CF	10X1-1/4	1	0	097	753.18
801-620CF	10X1-1/2	1	0	097	787.91
801-621C ¹	10X2	1	0	091	2270.07
801-621CF	10X2	1	0	097	748.73
801-622CF	10X2-1/2	1	0	097	928.62
801-623C ¹	10X3	1	0	091	2154.28
801-623CF	10X3	1	0	097	1008.97
801-624C ¹	10X4	1	0	091	2154.28
801-624CF	10X4	1	0	097	1066.51
801-626C	10X6	1	0	091	1983.79
801-626CF	10X6	1	0	097	1169.04
801-628C ¹	10X8	1	0	091	3245.46
801-628CF	10X8	1	0	097	1355.98
801-661CF	12X2	1	0	097	1270.64
801-662CF	12X2-1/2	0	0	097	1332.50
801-663CF	12X3	1	0	097	1401.45
801-664C ¹	12X4	1	0	091	3907.69
801-664CF	12X4	1	0	097	1459.35
801-666C ¹	12X6	1	0	091	3660.14
801-666CF	12X6	1	0	097	1583.51
801-668C	12X8	1	0	091	3099.74
801-668CF	12X8	1	0	097	1772.76
801-670C ¹	12X10	1	0	091	4730.27
801-670CF	12X10	1	0	097	2045.95
801-691CF	14X2	1	0	097	2625.04
801-692CF	14X2-1/2	1	0	097	2632.78
801-693CF	14X3	1	0	097	3782.48
801-694CF	14X4	1	0	097	3920.28
801-696CF	14X6	1	0	097	4269.45
801-698CF	14X8	1	0	097	4606.19
801-700CF	14X10	1	0	097	5038.26

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Soc

801-702CF	14X12	1	0	097	5538.94
801-751CF	16X2	1	0	097	3721.73
801-752CF	16X2-1/2	1	0	097	3775.01
801-753CF	16X3	1	0	097	3879.35
801-754CF	16X4	1	0	097	4023.46
801-756CF	16X6	1	0	097	5239.79
801-758CF	16X8	1	0	097	5857.30
801-760CF	16X10	1	0	097	6340.07
801-762CF	16X12	1	0	097	7091.32
801-764CF	16X14	1	0	097	7878.52
801-781CF	18X2	1	0	097	5059.38
801-783CF	18X3	1	0	097	5241.01
801-784CF	18X4	1	0	098	5054.01
801-786CF	18X6	1	0	097	6838.78
801-788CF	18X8	1	0	097	7343.15
801-790CF	18X10	1	0	097	7892.13
801-792CF	18X12	1	0	097	8439.35
801-794CF	18X14	1	0	097	8906.39
801-796CF	18X16	1	0	097	9403.53
801-814CF	20X4	1	0	097	10405.38
801-816CF	20X6	1	0	097	12382.15
801-818CF	20X8	1	0	097	12784.34
801-820CF	20X10	1	0	097	13896.47
801-822CF	20X12	1	0	097	14570.99
801-824CF	20X14	1	0	097	16233.45
801-826CF	20X16	1	0	097	17535.96
801-828CF	20X18	1	0	097	18630.00
801-904CF	24X4	1	0	097	12895.23
801-906CF	24X6	1	0	097	13907.61
801-908CF	24X8	1	0	097	14239.22
801-910CF	24X10	1	0	097	15007.67
801-912CF	24X12	1	0	097	15774.37
801-914CF	24X14	1	0	097	17142.00
801-916CF	24X16	1	0	097	20131.71
801-918CF	24X18	1	0	097	22379.95
801-920CF	24X20	1	0	097	24855.73

¹ Sized with Bushing

Reducing Tee
Soc x Fipt



802-101C	3/4X1/2	15	60	090	21.17
802-130C	1X1/2	50	0	090	42.49
802-131C	1X3/4	15	0	090	42.49
802-166C	1-1/4X1/2	25	0	090	73.23
802-167C ¹	1-1/4X3/4	15	0	090	73.23
802-168C	1-1/4X1	10	0	090	73.23
802-209C ¹	1-1/2X1/2	25	0	090	108.28
802-210C ¹	1-1/2X3/4	20	0	090	108.28
802-211C ¹	1-1/2X1	10	0	090	108.28
802-212C	1-1/2X1-1/4	10	0	090	108.28
802-247C	2X1/2	10	0	090	135.88
802-248C	2X3/4	10	0	090	135.88
802-249C ¹	2X1	10	0	090	135.88
802-250C ¹	2X1-1/4	10	0	090	135.88
802-251C ¹	2X1-1/2	10	0	090	135.88
802-287C	2-1/2X1/2	10	0	090	178.49
802-288C ¹	2-1/2X3/4	10	0	090	178.49
802-289C ¹	2-1/2X1	10	0	090	178.49
802-290C ¹	2-1/2X1-1/4	10	0	090	178.49
802-291C ¹	2-1/2X1-1/2	10	0	090	178.49
802-292C ¹	2-1/2X2	10	0	090	197.02
802-333C ¹	3X1/2	5	0	090	301.95



Schedule 80 CPVC Industrial Products & Accessories

CPVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Soc x Fipt

802-334C ¹	3X3/4	5	0	090	301.95
802-335C ¹	3X1	5	0	090	301.95
802-336C ¹	3X1-1/4	5	0	090	301.95
802-337C ¹	3X1-1/2	5	0	090	301.95
802-338C ¹	3X2	5	0	090	301.95
802-339C ¹	3X2-1/2	5	0	090	301.95
802-415C ¹	4X1/2	5	0	090	505.68
802-416C ¹	4X3/4	5	0	090	505.68
802-417C ¹	4X1	5	0	090	505.68
802-418C ¹	4X1-1/4	5	0	090	505.68
802-419C ¹	4X1-1/2	5	0	090	505.68
802-420C ¹	4X2	5	0	090	505.68
802-421C ¹	4X2-1/2	5	0	090	505.68
802-422C ¹	4X3	5	0	090	505.68
802-525C ¹	6X1	4	0	090	985.97
802-526C	6X1-1/4	4	0	090	985.97
802-527C	6X1-1/2	4	0	090	985.97
802-528C ¹	6X2	4	0	090	985.97
802-529C ¹	6X2-1/2	4	0	090	985.97
802-530C ¹	6X3	4	0	090	985.97
802-532C ¹	6X4	1	0	090	1131.77
802-578C ¹	8X2	2	0	090	1874.87
802-580C ¹	8X3	2	0	090	1874.87
802-582C ¹	8X4	2	0	090	1874.87
802-621C ¹	10X2	1	0	091	2750.15
802-623C ¹	10X3	1	0	091	2750.15
802-624C ¹	10X4	1	0	091	2750.15
802-661C ¹	12X2	2	0	091	4563.01
802-663C ¹	12X3	2	0	091	4563.01
802-664C ¹	12X4	1	0	091	4563.01

¹ Sized with Bushing

Reducing Tee

Soc x Fipt x Soc



803-095C	3/4X1/2X3/4	50	0	090	18.94
----------	-------------	----	---	-----	-------

Special Reinforced Reducing Tee

Soc x SR Fipt - Stainless Steel Collar

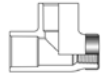


802-072CSR	1/2X1/4	25	200	096	18.69
802-098CSR	3/4X1/4	25	100	096	24.98
802-101CSR	3/4X1/2	50	0	096	24.98
802-128CSR ¹	1X1/4	15	0	096	38.57
802-130CSR	1X1/2	50	0	096	15.26
802-131CSR	1X3/4	15	0	096	38.57
802-164CSR ¹	1-1/4X1/4	5	0	096	51.29
802-166CSR	1-1/4X1/2	15	0	096	40.63
802-168CSR	1-1/4X1	10	0	096	41.46
802-207CSR ¹	1-1/2X1/4	15	0	096	73.44
802-211CSR	1-1/2X1	10	0	096	48.68
802-212CSR	1-1/2X1-1/4	10	0	096	48.68
802-245CSR ¹	2X1/4	10	0	096	84.36
802-247CSR	2X1/2	10	0	096	75.93
802-248CSR	2X3/4	10	0	096	84.36
802-287CSR	2-1/2X1/2	10	0	096	58.02
802-331CSR ¹	3X1/4	5	0	096	161.14
802-413CSR ¹	4X1/4	5	0	096	174.86

¹ Sized with Bushing

Special Reinforced Reducing Tee

Soc x SR Fipt - Stainless Steel Collar x Soc

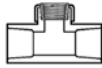


(See also Gauge & Instrument Fittings for additional configurations)

803-095CSR	3/4X1/2X3/4	15	0	096	15.39
------------	-------------	----	---	-----	-------

Transition Reducing Tee

Soc x Fipt With Brass Thread Insert



802-101CBR	3/4X1/2	50	0	096	68.74
------------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

90° Ell

Soc



806-002C	1/4	25	150	090	14.64
806-003C	3/8	20	120	090	14.64
806-005C	1/2	20	240	090	5.74
806-007C	3/4	20	160	090	7.32
806-010C	1	25	0	090	11.63
806-012C	1-1/4	10	0	090	25.16
806-015C	1-1/2	10	0	090	28.06
806-020C	2	25	0	090	33.87
806-025C	2-1/2	5	0	090	78.00
806-030C	3	5	0	090	88.32
806-040C	4	5	0	090	159.07
806-050C	5	4	0	090	303.66
806-050CF	5	1	4	097	399.83
806-060C	6	4	0	090	319.64
806-080C	8	2	0	090	782.19
806-080CF	8	1	2	097	567.31
806-100C	10	1	0	091	2090.31
806-100CF	10	1	0	097	1242.85
806-120C	12	1	0	091	2828.19
806-120CF	12	1	0	097	2288.05
806-140CF	14	1	0	097	5691.98
806-160CF	16	1	0	097	7770.51
806-180CF	18	1	0	097	9733.71
806-200CF	20	1	0	097	11189.13
806-240CF	24	1	0	097	20254.79

Sweep 90° Ell

Soc



806-005SC	1/2	25	150	090	11.29
806-007SC	3/4	25	100	090	14.55
806-010SC	1	25	0	090	23.38
806-012SC	1-1/4	25	0	090	30.89
806-015SC	1-1/2	25	0	090	33.18
806-020SC	2	25	0	090	40.20

Long Sweep 90° Ell

Soc



806-005LSCF	1/2	25	0	097	52.03
806-007LSCF	3/4	25	0	097	58.28
806-010LSCF	1	25	0	097	65.90
806-012LSCF	1-1/4	25	0	097	69.05
806-015LSCF	1-1/2	25	0	097	77.09
806-020LSCF	2	10	0	097	108.15
806-030LSCF	3	1	5	097	150.04
806-040LSCF	4	1	4	097	185.61
806-060LSCF	6	1	2	097	273.72

Not Listed for Electrical Conduit Use

Schedule 80 CPVC Industrial Products & Accessories
CPVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° EII
Soc x Fipt



807-002C	1/4	25	450	090	12.97
807-003C	3/8	25	150	090	12.97
807-005C	1/2	20	120	090	15.14
807-007C	3/4	20	160	090	17.78
807-010C	1	20	0	090	23.28
807-012C	1-1/4	10	0	090	34.14
807-015C	1-1/2	10	0	090	51.72
807-020C	2	10	0	090	66.39
807-030C	3	5	0	090	80.02
807-040C	4	5	0	090	151.32

Special Reinforced 90° EII
Soc x SR Fipt - Stainless Steel Collar



807-005CSR	1/2	20	240	096	9.07
807-007CSR	3/4	75	0	096	10.66
807-010CSR	1	50	0	096	12.83
807-015CSR	1-1/2	10	0	096	31.85
807-020CSR	2	10	0	096	39.85
807-030CSR	3	5	0	096	58.01
807-040CSR	4	5	0	086	107.10

Transition 90° EII
Soc x Fipt With Brass Thread Insert



807-005CBR	1/2	20	240	096	48.76
807-007CBR	3/4	20	160	096	85.13

Not intended to convey or dispense water for human consumption through drinking or cooking

90° EII
Fipt



808-002C	1/4	25	450	090	15.38
808-003C	3/8	25	150	090	15.38
808-005C	1/2	20	120	090	8.93
808-007C	3/4	20	120	090	13.35
808-010C	1	15	120	090	18.74
808-012C	1-1/4	10	0	090	36.10
808-015C	1-1/2	10	0	090	38.85
808-020C	2	10	0	090	52.07
808-025C	2-1/2	5	0	090	161.59
808-030C	3	5	0	090	173.27
808-040C	4	5	0	090	271.14

90° Street EII
Mipt x Fipt



812-002C	1/4	50	300	090	17.07
----------	-----	----	-----	-----	-------

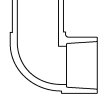
Special Reinforced 90° EII
SR Fipt - Stainless Steel Collar



808-003CSR	3/8	25	150	096	5.48
808-005CSR	1/2	20	120	096	5.48
808-007CSR	3/4	20	160	096	8.03
808-010CSR	1	50	0	096	10.29
808-012CSR	1-1/4	25	0	096	19.80
808-015CSR	1-1/2	10	0	096	23.31
808-020CSR	2	10	0	096	31.23

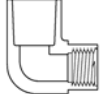
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° Street EII
Spig x Soc



809-005C	1/2	50	200	090	7.20
809-007C	3/4	50	0	090	9.16
809-010C	1	50	0	090	14.55
809-012C	1-1/4	25	0	090	31.46
809-015C	1-1/2	10	0	090	35.11
809-020C	2	25	0	090	42.39
809-025C	2-1/2	5	0	090	85.56
809-030C	3	5	0	090	117.78
809-040C	4	4	0	090	212.10
809-060C	6	2	0	090	426.19
809-080C	8	2	0	090	1042.93
809-100C	10	1	0	091	2786.78
809-120C	12	1	0	091	3769.46

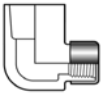
Reducing 90° EII
Soc x Fipt



807-101C	3/4X1/2	10	60	090	14.53
807-130C ¹	1X1/2	10	80	090	20.76
807-131C ¹	1X3/4	10	80	090	20.76

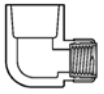
¹ Sized with Bushing

Special Reinforced Reducing 90° EII
Soc x SR Fipt - Stainless Steel Collar



807-101CSR	3/4X1/2	50	0	096	11.56
807-130CSR	1X1/2	50	0	096	12.46

Transition Reducing 90° EII
Soc x Fipt With Brass Thread Insert



807-101CBR	3/4X1/2	20	120	096	60.98
------------	---------	----	-----	-----	-------

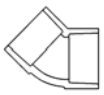
Not intended to convey or dispense water for human consumption through drinking or cooking

60° EII
Soc



824-005CF	1/2	1	25	097	88.46
824-007CF	3/4	1	6	097	105.64
824-010CF	1	1	15	097	100.04
824-012CF	1-1/4	1	16	097	102.45
824-015CF	1-1/2	1	15	097	110.93
824-020CF	2	1	16	097	139.72
824-025CF	2-1/2	1	10	097	159.90
824-030CF	3	1	4	097	274.35
824-040CF	4	1	4	097	329.33
824-060CF	6	1	4	097	457.04
824-080CF	8	1	0	097	692.49
824-100CF	10	1	0	097	1394.07
824-120CF	12	1	0	097	2154.84
824-140CF	14	1	0	097	5194.65
824-160CF	16	1	0	097	7293.13
824-180CF	18	1	0	097	10117.90

45° EII
Soc



817-002C	1/4	25	450	090	21.77
817-003C	3/8	25	150	090	21.77
817-005C	1/2	20	120	090	7.02
817-007C	3/4	20	120	090	10.14
817-010C	1	15	120	090	16.12



Schedule 80 CPVC Industrial Products & Accessories

CPVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

45° EII (continued)

Soc

817-012C	1-1/4	10	80	090	31.66
817-015C	1-1/2	10	0	090	32.51
817-020C	2	10	0	090	36.46
817-025C	2-1/2	5	0	090	74.51
817-030C	3	5	0	090	95.74
817-040C	4	5	0	090	131.43
817-050C	5	4	0	090	384.64
817-060C	6	4	0	090	404.89
817-080C	8	2	0	090	842.38
817-100C	10	1	0	091	1598.53
817-100CF	10	1	2	097	965.32
817-120C	12	1	0	091	2812.33
817-120CF	12	1	0	097	1355.41
817-140CF	14	1	0	097	2835.34
817-160CF	16	1	0	097	4138.37
817-180CF	18	1	0	097	6404.22
817-200CF	20	1	0	097	8472.29
817-240CF	24	1	0	097	10218.18

45° EII

Fipt



819-002C	1/4	25	450	090	20.46
819-003C	3/8	25	150	090	20.46
819-005C	1/2	20	240	090	19.38
819-007C	3/4	10	120	090	21.29
819-010C	1	10	120	090	23.43
819-012C	1-1/4	10	80	090	40.02
819-015C	1-1/2	10	0	090	40.02
819-020C	2	10	0	090	52.84
819-025C	2-1/2	5	0	090	100.17
819-030C	3	5	0	090	144.28
819-040C	4	5	0	090	226.94

Special Reinforced 45° EII

SR FiPT - Stainless Steel Collar



819-007CSR	3/4	10	120	096	12.53
------------	-----	----	-----	-----	-------

45° Street EII

Spig x Soc



827-005C	1/2	50	400	090	7.02
827-007C	3/4	50	0	090	10.14
827-010C	1	50	0	090	16.12
827-012C	1-1/4	25	0	090	31.66
827-015C	1-1/2	25	0	090	32.46
827-020C	2	10	0	090	36.46
827-025C	2-1/2	12	0	090	80.69
827-030C	3	10	0	090	95.74
827-040C	4	5	0	090	131.43
827-060C	6	3	0	090	476.34
827-080C	8	2	0	090	991.02
827-100C	10	1	0	091	1880.62
827-120C	12	1	0	091	3308.61
827-140CF	14	1	0	097	4053.51
827-160CF	16	1	0	097	5185.03
827-180CF	18	1	0	097	7565.54

30° EII

Soc



815-005CF	1/2	1	25	097	30.85
815-007CF	3/4	1	25	097	31.80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

30° EII (continued)

Soc

815-010CF	1	1	20	097	43.98
815-012CF	1-1/4	1	15	097	46.90
815-015CF	1-1/2	1	25	097	50.57
815-020CF	2	25	0	097	95.06
815-025CF	2-1/2	18	0	097	106.22
815-030CF	3	1	10	097	118.47
815-040CF	4	1	18	097	154.71
815-060C	6	5	0	090	476.34
815-080CF	8	1	3	097	564.27
815-100CF	10	1	2	097	936.67
815-120CF	12	1	2	097	1233.68
815-140CF	14	1	0	097	2619.50
815-160CF	16	1	0	097	3687.61
815-180CF	18	1	0	097	5346.00

22-1/2° EII

Soc



816-005C	1/2	20	240	090	8.27
816-007C	3/4	20	240	090	11.91
816-010C	1	20	160	090	18.97
816-012C	1-1/4	20	0	090	37.23
816-015C	1-1/2	20	0	090	38.26
816-020C	2	20	0	090	42.90
816-025C	2-1/2	5	0	090	107.67
816-025CF	2-1/2	1	18	097	106.22
816-030C	3	5	0	090	112.64
816-040C	4	4	0	090	154.62
816-060C	6	4	0	090	476.34
816-060CF	6	1	8	097	296.94
816-080C	8	4	0	090	991.02
816-080CF	8	1	4	097	564.27
816-100CF	10	1	2	097	936.67
816-120CF	12	1	2	097	1233.68
816-140CF	14	1	0	097	2619.50
816-160CF	16	1	0	097	3687.61
816-180CF	18	1	0	097	5346.00

22-1/2° Street EII

Spig x Soc



842-005C	1/2	50	400	090	9.41
842-007C	3/4	50	0	090	14.69
842-010C	1	50	0	090	22.98
842-012C	1-1/4	20	0	090	28.78
842-015C	1-1/2	25	0	090	41.37
842-020C	2	20	0	090	52.17
842-025C	2-1/2	5	0	090	95.79
842-030C	3	5	0	090	139.12
842-040C	4	4	0	090	178.40
842-060C	6	1	6	090	588.27
842-080C	8	1	2	090	1233.34
842-100CF	10	1	2	097	951.66
842-120CF	12	1	2	097	1262.22

15° EII

Soc



818-005CF	1/2	1	25	097	30.85
818-007CF	3/4	1	23	097	31.80
818-010CF	1	1	20	097	43.98
818-012CF	1-1/4	1	15	097	46.90
818-015CF	1-1/2	1	25	097	50.57
818-020CF	2	1	25	097	95.06
818-025CF	2-1/2	1	18	097	106.22

Schedule 80 CPVC Industrial Products & Accessories
CPVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

15° Ell (continued)

Soc

818-030CF	3	1	35	097	118.47
818-040CF	4	1	18	097	154.71
818-060CF	6	1	8	097	296.94
818-080CF	8	1	3	097	564.27
818-100CF	10	1	2	097	936.67
818-120CF	12	1	0	097	1233.68
818-140CF	14	1	0	097	2619.50
818-160CF	16	1	0	097	3687.61
818-180CF	18	1	0	097	5346.00

11-1/4° Ell

Soc



811-005CF	1/2	1	52	097	30.85
811-007CF	3/4	1	20	097	31.80
811-010CF	1	1	50	097	43.98
811-012CF	1-1/4	1	26	097	46.90
811-015C	1-1/2	25	0	090	35.07
811-020C	2	10	0	090	42.90
811-025CF	2-1/2	1	25	097	106.22
811-030C	3	10	0	090	112.64
811-040C	4	4	0	090	154.62
811-060CF	6	1	5	097	296.94
811-080CF	8	1	3	097	564.27
811-100CF	10	1	2	097	936.67
811-120CF	12	1	2	097	1233.68
811-140CF	14	1	0	097	2619.50
811-160CF	16	1	0	097	3687.61
811-180CF	18	1	0	097	5346.00

Wye

Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
8" - Larger & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

875-005C	1/2	25	100	090	15.59
875-007C	3/4	25	0	090	16.10
875-010C	1	20	0	090	27.13
875-012C	1-1/4	20	0	090	41.09
875-015C	1-1/2	20	0	090	44.17
875-020C	2	10	0	090	108.16
875-025C ¹	2-1/2	4	0	090	762.43
875-030C	3	5	0	090	533.30
875-040C	4	4	0	090	563.83
875-060C	6	3	0	090	771.70
875-080C	8	1	0	090	1317.89
875-080CF*	8	1	0	097	1152.68
875-100CF*	10	1	0	097	1980.16
875-120CF*	12	1	0	097	2758.09
875-140CF*	14	1	0	097	9589.14
875-160CF*	16	1	0	097	12027.90
875-180CF*	18	1	0	097	17453.89

¹ Sized with Bushing

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Wye

Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
3" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
8" - Larger & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

875-101C ¹	3/4X1/2	25	0	090	23.02
875-130C ¹	1X1/2	20	0	090	37.93
875-131C ¹	1X3/4	20	0	090	37.93
875-166C ¹	1-1/4X1/2	20	0	090	69.14
875-167C ¹	1-1/4X3/4	20	0	090	69.14
875-168C ¹	1-1/4X1	20	0	090	69.14
875-209C ¹	1-1/2X1/2	20	0	090	75.84
875-210C ¹	1-1/2X3/4	20	0	090	75.84
875-211C ¹	1-1/2X1	20	0	090	75.84
875-212C ¹	1-1/2X1-1/4	20	0	090	75.84
875-247C ¹	2X1/2	10	0	090	150.06
875-248C ¹	2X3/4	10	0	090	150.06
875-249C ¹	2X1	10	0	090	150.06
875-250C ¹	2X1-1/4	10	0	090	150.06
875-251C ¹	2X1-1/2	10	0	090	150.06
875-335C ¹	3X1	5	0	090	617.26
875-336C ¹	3X1-1/4	5	0	090	617.26
875-337C ¹	3X1-1/2	5	0	090	617.26
875-338C ¹	3X2	4	0	090	617.26
875-339C ¹	3X2-1/2	5	0	090	617.26
875-420C	4X2	4	0	090	624.18
875-422C ¹	4X3	4	0	090	624.18
875-528C ¹	6X2	5	0	090	790.59
875-528CF*	6X2	1	3	097	620.28
875-530C ¹	6X3	5	0	090	790.44
875-530CF*	6X3	1	2	097	689.64
875-532C	6X4	5	0	090	603.56
875-578C ¹	8X2	1	0	090	2090.67
875-578CF*	8X2	1	2	097	833.82
875-579CF*	8X2-1/2	1	2	097	873.94
875-580C ¹	8X3	1	0	090	2090.67
875-580CF*	8X3	1	2	097	854.56
875-582C ¹	8X4	1	0	090	2090.67
875-582CF*	8X4	1	2	097	877.67
875-585C ¹	8X6	1	0	090	1915.95
875-585CF*	8X6	1	0	097	988.98
875-621CF*	10X2	1	0	097	928.89
875-623CF*	10X3	1	0	097	988.88
875-624CF*	10X4	1	0	097	1208.48
875-626C	10X6	1	0	091	2159.80
875-626CF*	10X6	1	0	097	1372.14
875-628C	10X8	1	0	091	2274.03
875-628CF*	10X8	1	0	097	1615.82
875-661CF*	12X2	1	0	097	1532.59
875-663CF*	12X3	1	0	097	1610.11
875-664CF*	12X4	1	0	097	1836.67
875-666CF*	12X6	1	0	097	1910.63
875-668CF*	12X8	1	0	097	2016.67
875-670CF*	12X10	1	0	097	2482.91
875-694CF*	14X4	1	0	097	4110.98
875-696CF*	14X6	1	0	097	4515.36
875-698CF*	14X8	1	0	097	4884.46
875-702CF*	14X12	1	0	097	5950.41
875-754CF*	16X4	1	0	097	5172.83
875-756CF*	16X6	1	0	097	5446.73
875-758CF*	16X8	1	0	097	6324.47
875-760CF*	16X10	1	0	097	7107.81
875-762CF*	16X12	1	0	097	7708.76



Schedule 80 CPVC Industrial Products & Accessories

CPVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Wye (continued)

Soc

875-764CF*	16X14	1	0	097	9697.37
875-784CF*	18X4	1	0	097	6915.27
875-786CF*	18X6	1	0	097	7421.73
875-788CF*	18X8	1	0	097	8239.13
875-790CF*	18X10	1	0	097	9083.37
875-792CF*	18X12	1	0	097	9989.47
875-794CF*	18X14	1	0	097	12719.47
875-796CF*	18X16	1	0	097	14164.24

* Sized with Bushing

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

Double Wye

Soc



100 psi Maximum internal Pressure Rating @ 73°F (23°C)

876-020CF*	2	1	4	097	448.88
876-030CF*	3	1	4	097	572.56
876-040CF*	4	1	2	097	981.71
876-060CF*	6	1	0	097	1711.61
876-080CF*	8	1	0	097	3069.69
876-100CF*	10	1	0	097	3331.29
876-120CF*	12	1	0	097	4991.11

* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

For larger sizes please contact your Regional Spears® Distribution Center.

Reducing Double Wye

Soc



Size 3" is 150 psi, all Fabricated Sizes- 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)

876-338C	3X2	5	0	090	664.94
876-420CF*	4X2	1	2	097	836.50
876-421CF*	4X2-1/2	1	2	097	885.23
876-422CF*	4X3	1	2	097	953.07
876-528CF*	6X2	1	3	097	1422.64
876-529CF*	6X2-1/2	1	2	097	1440.36
876-530CF*	6X3	1	2	097	1463.80
876-532CF*	6X4	1	0	097	1625.59
876-578CF*	8X2	1	2	097	2431.23
876-579CF*	8X2-1/2	1	2	097	2467.16
876-580CF*	8X3	1	2	097	2486.69
876-582CF*	8X4	1	0	097	2677.09
876-585CF*	8X6	1	0	097	2822.24
876-621CF*	10X2	1	0	097	2931.22
876-622CF*	10X2-1/2	1	0	097	2992.34
876-623CF*	10X3	1	0	097	3045.46
876-624CF*	10X4	1	0	097	3115.88
876-626CF*	10X6	1	0	097	3336.21
876-628CF*	10X8	1	0	097	3504.10
876-661CF*	12X2	1	0	097	3155.82
876-662CF*	12X2-1/2	1	0	097	3307.13
876-663CF*	12X3	1	0	097	3365.48
876-666CF*	12X6	1	0	097	3818.57
876-668CF*	12X8	1	0	097	4332.35
876-664CF*	12X4	1	0	097	3488.72
876-670CF*	12X10	1	0	097	4717.27

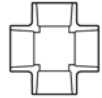
* An asterisk (*) appearing after a fabricated fitting part number indicates the item is fiberglass reinforced.

For larger sizes please contact your Regional Spears® Distribution Center.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Cross

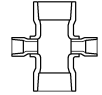
Soc



820-002C	1/4	25	150	090	57.34
820-005C	1/2	50	0	090	57.34
820-007C	3/4	50	0	090	60.35
820-010C	1	50	0	090	66.89
820-012C	1-1/4	25	0	090	71.57
820-015C	1-1/2	25	0	090	77.79
820-020C	2	10	0	090	100.90
820-025C	2-1/2	10	0	090	134.52
820-030C	3	5	0	090	171.31
820-040C	4	3	0	090	306.02
820-060CF	6	1	0	097	804.20
820-080CF	8	1	0	097	1529.69
820-100CF	10	1	0	097	2275.51
820-120CF	12	1	0	097	3233.15
820-140CF	14	1	0	097	8736.96
820-160CF	16	1	0	097	10413.95
820-180CF	18	1	0	097	14001.11

Reducing Cross

Soc



820-101C ¹	3/4X1/2	50	0	090	74.82
820-130C ¹	1X1/2	25	0	090	88.76
820-131C	1X3/4	20	0	090	88.76
820-166C ¹	1-1/4X1/2	25	0	090	79.40
820-167C	1-1/4X3/4	25	0	090	64.41
820-168C ¹	1-1/4X1	25	0	090	127.47
820-209C ¹	1-1/2X1/2	20	0	090	140.86
820-210C ¹	1-1/2X3/4	50	0	090	140.86
820-211C ¹	1-1/2X1	25	0	090	140.86
820-212C ¹	1-1/2X1-1/4	25	0	090	140.86
820-247C ¹	2X1/2	10	0	090	182.37
820-248C ¹	2X3/4	10	0	090	182.37
820-249C ¹	2X1	10	0	090	182.37
820-250C ¹	2X1-1/4	10	0	090	182.37
820-251C ¹	2X1-1/2	10	0	090	182.37
820-289C	2-1/2X1	15	0	090	124.00
820-290C ¹	2-1/2X1-1/4	10	0	090	233.93
820-291C ¹	2-1/2X1-1/2	8	0	090	233.93
820-292C ¹	2-1/2X2	10	0	090	233.93
820-335C ¹	3X1	4	0	090	322.12
820-336C ¹	3X1-1/4	4	0	090	322.12
820-337C ¹	3X1-1/2	4	0	090	322.12
820-338C ¹	3X2	4	0	090	322.12
820-339C ¹	3X2-1/2	4	0	090	322.12
820-420C ¹	4X2	3	0	090	475.10
820-422C ¹	4X3	3	0	090	475.10
820-420CF	4X2	1	3	097	466.86
820-528CF	6X2	1	2	097	732.38
820-530CF	6X3	1	2	097	827.41
820-532CF	6X4	1	2	097	847.44
820-578CF	8X2	1	0	097	954.39
820-580CF	8X3	1	0	097	1001.69
820-582CF	8X4	1	0	097	938.05
820-585CF	8X6	1	0	097	1232.49
820-621CF	10X2	1	0	097	1144.39
820-623CF	10X3	1	0	097	1230.41
820-624CF	10X4	1	0	097	1286.30
820-626CF	10X6	1	0	097	1536.66
820-628CF	10X8	1	0	097	1779.05
820-661CF	12X2	1	0	097	1397.31
820-663CF	12X3	1	0	097	1535.54
820-664CF	12X4	1	0	097	1621.26

Schedule 80 CPVC Industrial Products & Accessories
CPVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Cross (continued)

Soc

820-666CF	12X6	1	0	097	1882.90
820-668CF	12X8	1	0	097	2196.37
820-670CF	12X10	0	0	097	2613.88
820-691CF	14X2	1	0	097	2690.85
820-693CF	14X3	1	0	097	2841.97
820-694CF	14X4	1	0	097	2968.20
820-696CF	14X6	1	0	097	4083.07
820-698CF	14X8	1	0	097	4642.71
820-700CF	14X10	1	0	097	5169.66
820-702CF	14X12	1	0	097	5893.52
820-751CF	16X2	1	0	097	3821.73
820-753CF	16X3	1	0	097	3982.35
820-754CF	16X4	1	0	097	4137.99
820-756CF	16X6	1	0	097	5494.33
820-758CF	16X8	1	0	097	6073.02
820-762CF	16X12	1	0	097	7118.62
820-764CF	16X14	1	0	097	9334.24
820-781CF	18X2	1	0	097	5118.98
820-783CF	18X3	1	0	097	5313.95
820-784CF	18X4	1	0	097	6176.93
820-786CF	18X6	1	0	097	7071.68
820-788CF	18X8	1	0	097	7721.70
820-790CF	18X10	1	0	097	8467.87
820-792CF	18X12	1	0	097	9194.59
820-794CF	18X14	1	0	097	11423.52
820-796CF	18X16	1	0	097	12808.17

¹ Sized with Bushing

Coupling

Soc



829-002C	1/4	25	450	090	15.59
829-003C	3/8	25	150	090	15.59
829-005C	1/2	25	150	090	6.06
829-007C	3/4	15	90	090	8.47
829-010C	1	15	90	090	11.41
829-012C	1-1/4	10	80	090	17.09
829-015C	1-1/2	10	40	090	21.51
829-020C	2	20	0	090	25.00
829-025C	2-1/2	5	0	090	55.64
829-030C	3	5	0	090	60.46
829-040C	4	5	0	090	79.23
829-050C	5	6	0	090	177.28
829-060C	6	4	0	090	186.61
829-080C	8	4	0	090	504.33
829-100C	10	1	0	091	634.38
829-120C	12	1	0	091	743.02
829-140C	14	1	0	091	945.43
829-140CF	14	1	0	097	2085.69
829-160CF	16	1	0	097	3202.70
829-180CF	18	1	0	097	3961.48
829-200CF	20	1	0	097	5548.95
829-240CF	24	1	0	097	6934.51

Grooved Coupling Adapter

Groove x Soc



833-012C	1-1/4	10	60	090	27.27
833-015C	1-1/2	10	80	090	35.96
833-020C	2	5	40	090	46.74
833-025C	2-1/2	5	0	090	76.87
833-030C	3	5	0	090	94.78
833-040C	4	5	0	090	161.29
833-050CF	5	1	7	097	178.48

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Grooved Coupling Adapter (continued)

Groove x Soc

833-060C	6	5	0	090	230.73
833-080CF	8	1	4	097	291.00
833-100CF	10	1	0	097	456.70
833-120CF	12	1	0	097	644.11

Coupling

Fipt



830-002C	1/4	25	450	090	19.59
830-003C	3/8	25	150	090	19.59
830-005C	1/2	25	150	090	16.12
830-007C	3/4	25	150	090	26.04
830-010C	1	15	90	090	29.56
830-012C	1-1/4	10	60	090	31.35
830-015C	1-1/2	10	80	090	33.69
830-020C	2	10	0	090	39.71
830-025C	2-1/2	5	0	090	71.26
830-030C	3	5	0	090	82.95
830-040C	4	5	0	090	169.09
830-060CF	6	1	8	097	230.45

Special Reinforced Coupling

SR Fipt - Stainless Steel Collar



830-005CSR	1/2	25	300	096	8.84
830-007CSR	3/4	25	300	096	14.29
830-010CSR	1	25	200	096	16.23
830-012CSR	1-1/4	10	120	096	17.24
830-015CSR	1-1/2	10	80	096	18.49
830-020CSR	2	10	0	096	21.85

Reducer Coupling

Soc



829-101C	3/4X1/2	50	400	090	15.86
829-130C	1X1/2	25	200	090	22.62
829-131C	1X3/4	25	200	090	22.62
829-166C	1-1/4X1/2	25	0	090	51.79
829-167C	1-1/4X3/4	25	0	090	51.79
829-168C	1-1/4X1	25	0	090	51.79
829-209C	1-1/2X1/2	25	0	090	51.38
829-210C	1-1/2X3/4	25	0	090	51.38
829-211C	1-1/2X1	25	0	090	51.38
829-212C	1-1/2X1-1/4	25	0	090	51.38
829-247C	2X1/2	25	0	090	67.94
829-248C	2X3/4	10	80	090	67.94
829-249C	2X1	10	40	090	67.94
829-250C	2X1-1/4	10	0	090	67.94
829-251C	2X1-1/2	10	40	090	67.94
829-291C	2-1/2X1-1/2	10	0	090	77.36
829-292C	2-1/2X2	10	0	090	77.36
829-335C ¹	3X1	8	0	090	191.34
829-336C ¹	3X1-1/4	6	0	090	197.19
829-337C ¹	3X1-1/2	8	0	090	197.19
829-338C	3X2	8	0	090	156.31
829-339C ¹	3X2-1/2	5	0	090	156.97
829-339CF	3X2-1/2	1	9	097	149.13
829-416C ¹	4X3/4	4	0	090	225.41
829-417C ¹	4X1	4	0	090	225.41
829-419C ¹	4X1-1/2	4	0	090	225.41
829-420C	4X2	6	0	090	186.47
829-421C	4X2-1/2	4	0	090	186.47
829-422C	4X3	4	0	090	186.47
829-488CF	5X3	1	6	097	183.99
829-490CF	5X4	1	6	097	116.05



Schedule 80 CPVC Industrial Products & Accessories

CPVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Coupling (continued)

Soc

829-528C ¹	6X2	6	0	090	493.30
829-529C ¹	6X2-1/2	4	0	090	581.36
829-530C ¹	6X3	12	0	090	503.39
829-532C	6X4	4	0	090	423.57
829-580CF	8X3	1	6	097	448.60
829-582C ¹	8X4	2	0	090	768.61
829-582CF	8X4	1	4	097	397.70
829-585C	8X6	2	0	090	733.90
829-621CF	10X2	1	0	097	831.03
829-623CF	10X3	1	2	097	696.96
829-624CF	10X4	1	2	097	669.90
829-625CF	10X5	1	2	097	722.05
829-626C	10X6	1	0	091	1141.32
829-626CF	10X6	1	2	097	515.81
829-628C	10X8	1	0	091	1141.32
829-628CF	10X8	1	4	097	675.89
829-664CF	12X4	1	2	097	1491.05
829-665CF	12X5	1	0	097	1490.02
829-666CF	12X6	1	0	097	1386.74
829-668C	12X8	1	0	091	1243.52
829-668CF	12X8	1	0	097	1061.20
829-670CF	12X10	1	2	097	565.90
829-694CF	14X4	1	0	097	2164.70
829-696CF	14X6	1	0	097	2044.37
829-698CF	14X8	1	0	097	1702.02
829-700CF	14X10	1	0	097	1456.76
829-702CF	14X12	1	0	097	1274.36
829-754CF	16X4	1	0	097	2666.76
829-756CF	16X6	1	0	097	2744.56
829-758CF	16X8	1	0	097	3137.04
829-760CF	16X10	1	0	097	3004.83
829-762CF	16X12	1	0	097	2847.83
829-764CF	16X14	1	0	097	2530.18
829-783CF	18X3	1	0	097	5495.29
829-784CF	18X4	1	0	097	5452.12
829-786CF	18X6	1	0	097	5411.43
829-788CF	18X8	1	0	097	5293.72
829-790CF	18X10	1	0	097	5261.90
829-792CF	18X12	1	0	097	5171.87
829-794CF	18X14	1	0	097	5090.67
829-796CF	18X16	1	0	097	3716.10
829-818CF	20X8	1	0	097	5251.22
829-826CF	20X16	1	0	097	6002.95
829-828CF	20X18	1	0	097	5562.71
829-906CF	24X6	1	0	097	8787.79
829-918CF	24X18	1	0	097	12333.74
829-920CF	24X20	1	0	097	11100.26

¹ Sized with Bushing

Eccentric Reducer Coupling

Soc



829-101CFE	3/4X1/2	1	15	097	35.17
829-130CFE	1X1/2	1	16	097	38.15
829-131CFE	1X3/4	1	15	097	36.71
829-168CFE	1-1/4X1	1	12	097	39.88
829-209CFE	1-1/2X1/2	1	10	097	63.17
829-210CFE	1-1/2X3/4	1	10	097	75.80
829-212CFE	1-1/2X1-1/4	1	20	097	41.78
829-249CFE	2X1	1	25	097	57.14
829-250CFE	2X1-1/4	1	25	097	52.01
829-251CFE	2X1-1/2	1	10	097	50.79
829-290CFE ²	2-1/2X1-1/4	1	10	097	86.71
829-291CFE ²	2-1/2X1-1/2	1	20	097	86.53
829-292CFE	2-1/2X2	1	10	097	61.45

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Eccentric Reducer Coupling (continued)

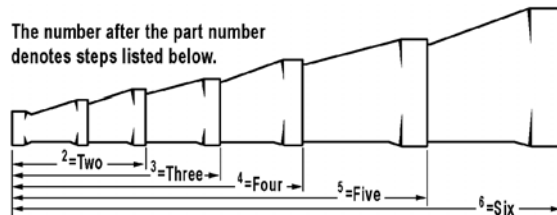
Soc

829-335CFE ²	3X1	1	10	097	135.11
829-336CFE ²	3X1-1/4	1	10	097	129.02
829-337CFE ²	3X1-1/2	1	10	097	126.90
829-338CFE	3X2	1	20	097	82.27
829-339CFE	3X2-1/2	1	10	097	80.84
829-417CFE ³	4X1	1	18	097	208.47
829-418CFE ³	4X1-1/4	1	6	097	212.29
829-419CFE ³	4X1-1/2	1	6	097	200.91
829-420CFE ²	4X2	1	10	097	183.86
829-421CFE ²	4X2-1/2	1	6	097	169.72
829-422CFE	4X3	1	10	097	119.01
829-490CFE	5X4	1	8	097	141.03
829-528CFE ³	6X2	1	6	097	371.57
829-529CFE ³	6X2-1/2	1	4	097	346.13
829-530CFE ²	6X3	1	6	097	296.76
829-532CFE	6X4	1	10	097	252.62
829-578CFE ⁴	8X2	1	0	097	738.34
829-580CFE ³	8X3	1	2	097	666.30
829-582CFE ²	8X4	1	2	097	633.95
829-583CFE ²	8X5	1	2	097	564.99
829-585CFE	8X6	1	4	097	549.78
829-624CFE ³	10X4	1	0	097	1315.94
829-625CFE ³	10X5	1	0	097	1165.23
829-626CFE ²	10X6	1	2	097	1128.24
829-628CFE	10X8	1	2	097	810.57
829-664CFE ⁴	12X4	1	0	097	2370.37
829-666CFE ³	12X6	1	0	097	1548.91
829-668CFE ²	12X8	1	0	097	1477.24
829-670CFE	12X10	1	0	097	1321.99
829-696CFE ³	14X6	1	0	097	2564.21
829-698CFE ²	14X8	1	0	097	2514.14
829-700CFE	14X10	1	0	097	1792.15
829-702CFE	14X12	1	0	097	1636.18
829-756CFE ⁵	16X6	1	0	097	4683.61
829-758CFE ⁴	16X8	1	0	097	4528.44
829-760CFE ³	16X10	1	0	097	4445.33
829-762CFE ²	16X12	1	0	097	4270.57
829-764CFE	16X14	1	0	097	3929.01
829-786CFE ⁶	18X6	1	0	097	9031.24
829-788CFE ⁵	18X8	1	0	097	8905.90
829-790CFE ⁴	18X10	1	0	097	8560.94
829-792CFE ³	18X12	1	0	097	7915.81
829-794CFE ²	18X14	1	0	097	7352.52
829-796CFE	18X16	1	0	097	5636.04

Eccentric Reducer Coupling Footnotes

Multi-Step Configurations

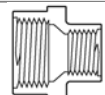
The number after the part number denotes steps listed below.



Example: 829-582CFE² (2 = 2 Step)

Reducer Coupling

Fipt



830-101C	3/4X1/2	50	200	090	26.41
----------	---------	----	-----	-----	-------

Schedule 80 CPVC Industrial Products & Accessories
CPVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Reducer Coupling
SR Fipt - Stainless Steel Collar



830-101CSR	3/4X1/2	50	200	096	15.85
830-130CSR	1X1/2	50	0	096	19.13
830-131CSR	1X3/4	25	200	096	19.13
830-168CSR	1-1/4X1	25	0	096	26.02
830-210CSR	1-1/2X3/4	25	0	096	37.21
830-211CSR	1-1/2X1	10	80	096	37.21
830-212CSR	1-1/2X1-1/4	10	80	096	37.21
830-249CSR	2X1	25	0	096	91.60
830-251CSR	2X1-1/2	15	0	096	91.60

Female Adapter
Soc x Fipt



835-002C	1/4	25	450	090	19.78
835-003C	3/8	25	150	090	19.78
835-005C	1/2	25	150	090	9.80
835-007C	3/4	15	90	090	9.71
835-010C	1	15	90	090	23.91
835-012C	1-1/4	10	120	090	24.48
835-015C	1-1/2	10	80	090	28.52
835-020C	2	10	0	090	49.15
835-025C	2-1/2	5	0	090	94.28
835-030C	3	5	0	090	193.44
835-040C	4	5	0	090	321.97
835-060C	6	6	0	090	457.12
835-060CF	6	1	8	097	289.56
835-080C	8	3	0	090	722.27
835-080CF	8	1	0	097	364.23
835-100CF	10	1	2	097	529.27
835-120CF	12	1	0	097	685.85

Special Reinforced Female Adapter
Soc x SR Fipt - Stainless Steel Collar



835-002CSR	1/4	25	450	096	12.41
835-003CSR	3/8	25	300	096	12.41
835-005CSR	1/2	25	300	096	5.33
835-007CSR	3/4	25	150	096	5.76
835-010CSR	1	25	200	096	13.13
835-012CSR	1-1/4	10	60	096	13.47
835-015CSR	1-1/2	10	80	096	15.64
835-020CSR	2	10	0	096	22.22
835-025CSR	2-1/2	5	0	096	51.67
835-030CSR	3	15	0	096	106.16
835-040CSR	4	5	0	096	176.69
835-060CSR	6	6	0	096	276.02

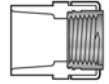
Encapsulated Special Reinforced (SR) Female Adapter
Soc x ESR Fipt



835-002CESR	1/4	25	450	096	15.74
835-003CESR	3/8	25	300	096	15.74
835-005CESR	1/2	25	300	096	8.17
835-007CESR	3/4	25	300	096	8.63
835-010CESR	1	25	200	096	19.01
835-012CESR	1-1/4	10	80	096	19.46
835-015CESR	1-1/2	10	0	096	25.19
835-020CESR	2	10	0	096	39.16

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

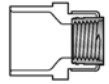
Transition Female Adapter
Soc x Fipt With Brass Thread Insert



835-005CBR	1/2	25	150	096	30.06
835-007CBR	3/4	15	90	096	62.21
835-010CBR	1	15	90	096	109.17
835-012CBR	1-1/4	15	60	096	178.10
835-015CBR	1-1/2	10	80	096	234.82
835-020CBR	2	8	32	096	293.28

Not intended to convey or dispense water for human consumption through drinking or cooking

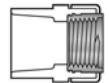
Transition Reducing Female Adapter
Soc x Fipt With Brass Thread Insert



835-101CBR	3/4X1/2	50	0	096	43.52
------------	---------	----	---	-----	-------

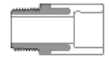
Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Female Adapter
Soc x Fipt With Type 316 Stainless Steel Thread Insert



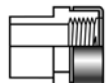
835-005CSS	1/2	25	150	096	59.02
835-007CSS	3/4	15	90	096	82.40
835-010CSS	1	15	90	096	144.22
835-012CSS	1-1/4	15	0	096	234.38
835-015CSS	1-1/2	10	60	096	305.78
835-020CSS	2	8	32	096	357.85

Transition Male Adapter w/Brass Thread
Brass Mipt x Socket



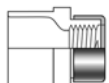
836-005CBR	1/2	40	160	096	66.63
836-007CBR	3/4	40	160	096	93.81
836-010CBR	1	10	60	096	163.39
836-012CBR	1-1/4	10	60	096	265.77
836-015CBR	1-1/2	10	40	096	345.52
836-020CBR	2	8	32	096	404.89

Special Reinforced Spigot Female Adapter
Spig x SR Fipt - Stainless Steel Collar



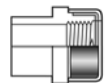
878-005CSR	1/2	50	600	096	5.68
878-007CSR	3/4	25	300	096	5.99
878-010CSR	1	50	0	096	13.48
878-012CSR	1-1/4	25	0	096	13.95
878-015CSR	1-1/2	25	0	096	16.19
878-020CSR	2	15	0	096	29.49
878-030CSR	3	5	0	096	107.49
878-040CSR	4	5	0	096	180.45

Special Reinforced Reducing Female Adapter
Soc x SR Fipt - Stainless Steel Collar



835-074CSR	1/2X3/4	50	400	096	5.76
835-101CSR	3/4X1/2	50	400	096	5.76
835-102CSR	3/4X1	50	0	096	13.13
835-130CSR	1X1/2	50	0	096	13.13
835-131CSR	1X3/4	25	200	096	13.13

Encapsulated Special Reinforced (SR) Female Adapter
Spig x ESR Fipt



878-005CESR	1/2	50	600	096	8.41
878-007CESR	3/4	25	300	096	8.95
878-010CESR	1	50	0	096	19.19



Schedule 80 CPVC Industrial Products & Accessories

CPVC Schedule 80 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Encapsulated Special Reinforced (SR) Female Adapter (continued)

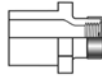
Spig x ESR Fipt

878-012CESR	1-1/4	25	0	096	19.71
878-015CESR	1-1/2	25	0	096	25.70
878-020CESR	2	15	0	096	39.72

Special Reinforced Reducing Spigot Female Adapter

Spig x SR Fipt - Stainless Steel Collar

878-072CSR	1/2X1/4	25	450	096	16.28
878-098CSR	3/4X1/4	50	400	096	18.95
878-128CSR	1X1/4	50	400	096	21.21



Male Adapter

Mipt x Soc

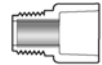
836-005C	1/2	25	150	090	7.83
836-007C	3/4	25	150	090	9.55
836-010C	1	20	240	090	16.09
836-131C	1X3/4	25	0	090	33.39
836-012C	1-1/4	10	60	090	23.72
836-015C	1-1/2	10	120	090	32.05
836-020C	2	10	80	090	43.48
836-025C	2-1/2	5	0	090	118.56
836-030C	3	5	0	090	159.32
836-040C	4	5	0	090	269.34
836-060C	6	5	0	090	386.02
836-060CF	6	1	8	097	273.59
836-080CF	8	1	2	097	349.30
836-100CF	10	1	2	097	647.21
836-120CF	12	1	0	097	753.18



Reinforced Male Adapter

R Mipt x Soc - Stainless Steel Sleeve

836-005CR	1/2	25	150	096	8.19
836-007CR	3/4	25	300	096	9.38
836-010CR	1	10	120	096	11.12



Male Adapter

Spig x Mipt

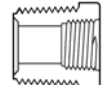
861-005C	1/2	50	300	090	9.54
861-007C	3/4	25	150	090	11.85
861-010C	1	50	0	090	20.10
861-131C	1X3/4	50	200	090	23.48
861-012C	1-1/4	25	200	090	22.80
861-015C	1-1/2	25	0	090	25.17
861-020C	2	25	0	090	29.45



Reducer (T.T.) Bushing Flush Style

Mipt x Fipt

839-041C	1/4X1/8	25	500	090	18.29
839-052C	3/8X1/4	50	450	090	18.29
839-072C	1/2X1/4	50	300	090	18.29
839-073C	1/2X3/8	50	600	090	18.29
839-098C	3/4X1/4	50	300	090	20.16
839-099C	3/4X3/8	50	300	090	20.16
839-101C	3/4X1/2	50	300	090	8.67
839-128C	1X1/4	25	150	090	21.77
839-129C	1X3/8	50	600	090	21.77
839-130C	1X1/2	50	300	090	14.61
839-131C	1X3/4	50	700	090	14.61
839-166C	1-1/4X1/2	25	300	090	29.02



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer (T.T.) Bushing Flush Style (continued)

Mipt x Fipt

839-167C	1-1/4X3/4	25	300	090	29.02
839-168C	1-1/4X1	25	300	090	28.79
839-209C	1-1/2X1/2	25	200	090	34.95
839-210C	1-1/2X3/4	25	200	090	34.95
839-211C	1-1/2X1	25	200	090	34.95
839-212C	1-1/2X1-1/4	25	200	090	34.68
839-247C	2X1/2	10	60	090	38.66
839-248C	2X3/4	10	60	090	38.66
839-249C	2X1	10	60	090	38.66
839-250C	2X1-1/4	10	120	090	38.66
839-251C	2X1-1/2	10	60	090	34.68
839-292C	2-1/2X2	10	40	090	92.93
839-337C	3X1-1/2	10	0	090	125.02
839-338C	3X2	10	0	090	125.02
839-339C	3X2-1/2	10	0	090	125.02
839-420C	4X2	6	0	090	214.82
839-422C	4X3	6	0	090	214.82
839-530C	6X3	5	0	090	775.51
839-532C	6X4	5	0	090	775.51

Special Reinforced Reducing Bushing

Mipt x SR Fipt - Stainless Steel Collar

839-209CSR	1-1/2X1/2	25	200	096	21.00
839-210CSR	1-1/2X3/4	25	100	096	21.00
839-247CSR	2X1/2	10	120	096	23.21
839-248CSR	2X3/4	10	120	096	23.21
839-249CSR	2X1	10	120	096	23.21
839-420CSR	4X2	6	0	096	128.88



Reducer Bushing Flush Style

Spig x Soc

837-052C	3/8X1/4	50	450	090	12.67
837-072C	1/2X1/4	50	600	090	12.67
837-073C	1/2X3/8	50	300	090	12.67
837-101C	3/4X1/2	50	300	090	6.46
837-129C ¹	1X3/8	50	0	090	22.02
837-130C	1X1/2	50	400	090	10.04
837-131C	1X3/4	50	300	090	10.04
837-166C	1-1/4X1/2	25	300	090	26.66
837-167C	1-1/4X3/4	25	150	090	26.66
837-168C	1-1/4X1	25	150	090	26.66
837-209C	1-1/2X1/2	25	200	090	30.14
837-210C	1-1/2X3/4	25	200	090	30.14
837-211C	1-1/2X1	25	200	090	30.14
837-212C	1-1/2X1-1/4	25	200	090	30.14
837-247C	2X1/2	10	120	090	38.90
837-248C	2X3/4	10	60	090	38.90
837-249C	2X1	10	60	090	38.90
837-250C	2X1-1/4	10	60	090	38.90
837-251C	2X1-1/2	10	60	090	38.90
837-289C ¹	2-1/2X1	5	40	090	66.90
837-290C	2-1/2X1-1/4	10	80	090	47.38
837-291C	2-1/2X1-1/2	10	40	090	47.38
837-292C	2-1/2X2	15	0	090	47.38
837-334C ¹	3X3/4	10	0	090	82.52
837-335C	3X1	10	0	090	72.18
837-336C	3X1-1/4	10	0	090	72.18
837-337C	3X1-1/2	10	0	090	72.18
837-338C	3X2	10	0	090	72.18
837-339C	3X2-1/2	15	0	090	72.18
837-420C	4X2	6	0	090	79.81
837-421C ¹	4X2-1/2	6	0	090	79.81
837-422C	4X3	6	0	090	79.81



Schedule 80 CPVC Industrial Products & Accessories
CPVC Schedule 80 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Bushing Flush Style (continued)

Spig x Soc

837-490C	5X4	4	0	090	150.86
837-528C	6X2	5	0	090	171.22
837-529C ¹	6X2-1/2	5	0	090	248.37
837-530C	6X3	5	0	090	171.22
837-532C	6X4	5	0	090	170.02
837-578C ¹	8X2	4	0	090	738.18
837-580C ¹	8X3	4	0	090	738.18
837-582C	8X4	4	0	090	738.18
837-585C	8X6	4	0	090	559.74
837-621C ¹	10X2	2	0	091	1229.73
837-623C ¹	10X3	1	2	091	1229.73
837-624C ¹	10X4	4	0	091	1229.73
837-626C	10X6	4	0	091	990.68
837-628C	10X8	4	0	091	990.68
837-628CF	10X8	1	6	097	857.33
837-663CF	12X3	1	2	097	1388.72
837-664C	12X4	2	0	091	2019.16
837-666CF	12X6	1	2	097	1187.67
837-668C	12X8	2	0	091	1249.00
837-670CF	12X10	1	3	097	894.32
837-696CF	14X6	1	3	097	3135.05
837-698CF	14X8	1	3	097	2185.65
837-700CF	14X10	1	3	097	1774.65
837-702CF	14X12	1	3	097	1286.02
837-756CF	16X6	1	2	097	4942.52
837-758CF	16X8	1	0	097	4619.87
837-760CF	16X10	1	0	097	3693.64
837-762CF	16X12	1	2	097	1879.09
837-764CF	16X14	1	2	097	1789.38
837-788CF	18X8	1	0	097	5474.41
837-796CF	18X16	1	0	097	1997.67

¹ Sized with Bushing

Reducer Bushing Flush Style

Spig x Fipt



838-052C	3/8X1/4	50	450	090	13.62
838-071C	1/2X1/8	50	600	090	13.62
838-072C	1/2X1/4	50	600	090	13.62
838-073C	1/2X3/8	50	300	090	13.62
838-098C	3/4X1/4	50	600	090	15.19
838-099C	3/4X3/8	50	600	090	15.19
838-101C	3/4X1/2	50	600	090	7.05
838-129C	1X3/8	50	400	090	20.17
838-130C	1X1/2	50	400	090	8.94
838-131C	1X3/4	50	400	090	8.94
838-166C	1-1/4X1/2	25	300	090	28.87
838-167C	1-1/4X3/4	25	300	090	28.87
838-168C	1-1/4X1	25	300	090	28.87
838-207C	1-1/2X1/4	25	200	090	35.56
838-209C	1-1/2X1/2	25	200	090	35.56
838-210C	1-1/2X3/4	25	200	090	35.56
838-211C	1-1/2X1	25	200	090	35.56
838-212C	1-1/2X1-1/4	25	200	090	35.56
838-247C	2X1/2	10	120	090	48.89
838-248C	2X3/4	10	60	090	48.89
838-249C	2X1	10	120	090	48.89
838-250C	2X1-1/4	10	120	090	48.89
838-251C	2X1-1/2	10	120	090	48.89
838-287C	2-1/2X1/2	10	0	090	78.21
838-288C	2-1/2X3/4	10	40	090	78.21
838-289C	2-1/2X1	10	40	090	78.21
838-290C	2-1/2X1-1/4	10	0	090	78.21
838-291C	2-1/2X1-1/2	10	40	090	77.68
838-292C	2-1/2X2	10	40	090	77.68

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducer Bushing Flush Style (continued)

Spig x Fipt

838-334C	3X3/4	10	0	090	206.95
838-335C	3X1	10	0	090	206.95
838-336C	3X1-1/4	10	0	090	181.04
838-337C	3X1-1/2	10	0	090	181.04
838-338C	3X2	10	0	090	173.16
838-339C	3X2-1/2	10	0	090	174.56
838-420C	4X2	6	0	090	352.84
838-421C	4X2-1/2	6	0	090	352.84
838-422C	4X3	6	0	090	352.84
838-530C	6X3	5	0	090	711.37
838-532C	6X4	5	0	090	711.37

Special Reinforced Reducer Bushing

Spig x SR Fipt - Stainless Steel Collar



838-128CSR	1X1/4	25	150	096	12.10
838-207CSR	1-1/2X1/4	25	200	096	20.47
838-209CSR	1-1/2X1/2	10	120	096	21.34
838-210CSR	1-1/2X3/4	10	120	096	21.34
838-247CSR	2X1/2	10	80	096	29.32
838-248CSR	2X3/4	10	80	096	29.32
838-249CSR	2X1	10	80	096	29.32
838-334CSR	3X3/4	10	0	096	124.15
838-335CSR	3X1	10	0	096	124.15
838-336CSR	3X1-1/4	10	0	096	124.15
838-337CSR	3X1-1/2	10	0	096	124.15
838-528CSR	6X2	5	0	096	426.81
838-530CSR	6X3	5	0	096	426.81

Cap Soc



847-002C	1/4	25	450	090	10.43
847-003C	3/8	25	450	090	10.43
847-005C	1/2	25	150	090	9.44
847-007C	3/4	25	300	090	13.45
847-010C	1	15	90	090	23.80
847-012C	1-1/4	10	60	090	26.04
847-015C	1-1/2	10	60	090	26.04
847-020C	2	10	80	090	27.46
847-025C	2-1/2	5	40	090	92.45
847-030C	3	5	0	090	101.34
847-040C	4	5	0	090	103.01
847-060C	6	4	0	090	340.86
847-080C	8	3	0	090	1034.39
847-100CF	10	1	5	097	864.18
847-120CF	12	1	4	097	947.13
847-140CF	14	1	2	097	2905.17
847-160CF	16	1	2	097	4272.77

Cap Fipt



848-002C	1/4	25	450	090	12.21
848-003C	3/8	25	450	090	12.21
848-005C	1/2	25	150	090	10.49
848-007C	3/4	25	300	090	17.36
848-010C	1	15	90	090	24.30
848-012C	1-1/4	10	120	090	43.34
848-015C	1-1/2	10	120	090	44.40
848-020C	2	10	80	090	63.96
848-025C	2-1/2	5	40	090	148.00
848-030C	3	5	0	090	194.16
848-040C	4	5	0	090	282.05



Schedule 80 CPVC Industrial Products & Accessories

CPVC Schedule 80 Fittings & Unions

Caps

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Cap

SR Fipt - Stainless Steel Collar



848-002CSR	1/4	25	500	096	6.71
848-003CSR	3/8	25	450	096	6.71
848-007CSR	3/4	25	300	096	10.45
848-030CSR	3	5	0	096	116.66

Plugs

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Plug Spig



849-005C	1/2	50	300	090	12.02
849-007C	3/4	50	300	090	14.83
849-010C	1	50	200	090	16.73
849-012C	1-1/4	25	100	090	21.34
849-015C	1-1/2	10	120	090	23.41
849-020C	2	10	120	090	31.36
849-025CF ⁴	2-1/2	1	4	097	37.20
849-030CF ⁴	3	1	4	097	85.54
849-040CF ⁴	4	1	4	097	105.55
849-060CF ⁴	6	1	6	097	131.05
849-080CF ⁴	8	1	6	097	352.00
849-100CF ⁴	10	1	2	097	700.36
849-120CF ⁴	12	1	0	097	1357.40

⁴ Plug fabricated using Cap and pipe spigot.

Plug Mipt



850-002C	1/4	50	900	090	9.82
850-003C	3/8	50	450	090	9.82
850-005C	1/2	50	500	090	8.53
850-007C	3/4	25	300	090	10.80
850-010C	1	15	180	090	17.77
850-012C	1-1/4	25	150	090	26.85
850-015C	1-1/2	25	150	090	22.27
850-020C	2	10	120	090	30.31
850-025C	2-1/2	5	30	090	51.46
850-030C	3	5	40	090	55.11
850-040C	4	5	0	090	97.78
850-060C	6	6	0	090	137.31

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Plug (continued) Mipt

850-060CF ⁴	6	1	2	097	354.57
850-080CF ⁴	8	1	2	097	680.80
850-100CF ⁴	10	1	3	097	982.63
850-120CF ⁴	12	1	0	097	1498.82

⁴ Plug fabricated using Cap and threaded pipe.

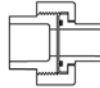
Schedule 80 CPVC Industrial Products & Accessories Unions



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union 2000

Soc x Spig with Viton® O-ring Seal

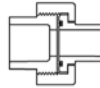


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8056-005C	1/2	20	160	090	26.01
8056-007C	3/4	20	160	090	27.17
8056-010C	1	15	90	090	32.61
8056-012C	1-1/4	10	0	090	65.99
8056-015C	1-1/2	10	0	090	67.19
8056-020C	2	5	0	090	111.38
8056-025C	2-1/2	5	0	090	203.51
8056-030C	3	5	0	090	231.17
8056-040C	4	4	0	090	295.35
8056-060C	6	1	0	090	656.33

Union 2000

Soc x Spig with EPDM O-ring Seal

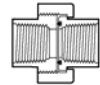


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8096-005C	1/2	20	160	090	25.93
8096-007C	3/4	20	80	090	26.85
8096-010C	1	15	90	090	32.17
8096-012C	1-1/4	10	0	090	65.14
8096-015C	1-1/2	10	0	090	66.38
8096-020C	2	5	0	090	110.01
8096-025C	2-1/2	5	0	090	182.19
8096-030C	3	5	0	090	228.32
8096-040C	4	4	0	090	291.99
8096-060C	6	1	0	090	648.87

Union 2000

Fipt with Viton® O-ring Seal

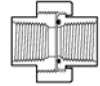


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

858-002C	1/4	25	150	090	43.96
858-003C	3/8	25	100	090	43.96
8058-005C	1/2	20	120	090	27.86
8058-007C	3/4	20	80	090	49.24
8058-010C	1	15	90	090	67.90
8058-012C	1-1/4	10	0	090	129.37
8058-015C	1-1/2	10	0	090	129.37
8058-020C	2	5	0	090	146.23
8058-025C	2-1/2	5	0	090	235.59
8058-030C	3	5	0	090	447.02
8058-040C	4	4	0	090	480.53
8058-060C	6	1	0	090	1067.87

Union 2000

Fipt with EPDM O-ring Seal



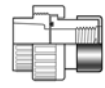
235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

898-002C	1/4	25	150	090	43.43
898-003C	3/8	25	100	090	43.43
8098-005C	1/2	20	120	090	27.51
8098-007C	3/4	20	80	090	48.63
8098-010C	1	15	90	090	67.06
8098-012C	1-1/4	10	0	090	127.87
8098-015C	1-1/2	10	0	090	127.87
8098-020C	2	5	0	090	144.46
8098-025C	2-1/2	5	0	090	203.51
8098-030C	3	5	0	090	404.90
8098-040C	4	4	0	090	471.38
8098-060C	6	1	0	090	1047.50

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Union 2000

Soc x SR Fipt with Viton® O-ring Seal

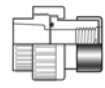


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8059-005CSR	1/2	25	200	096	15.32
8059-007CSR	3/4	20	160	096	27.03
8059-010CSR	1	15	90	096	37.24
8059-012CSR	1-1/4	10	0	096	71.00
8059-015CSR	1-1/2	10	0	096	77.18
8059-020CSR	2	5	0	096	80.35
8059-025CSR	2-1/2	5	0	096	139.13
8059-030CSR	3	5	0	096	226.04
8059-040CSR	4	4	0	096	263.72
8059-060CSR	6	1	0	096	586.10

Special Reinforced Union 2000

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar

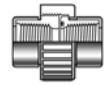


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8099-005CSR	1/2	20	160	096	15.02
8099-007CSR	3/4	20	160	096	26.67
8099-010CSR	1	15	90	096	36.93
8099-012CSR	1-1/4	10	0	096	69.96
8099-015CSR	1-1/2	10	0	096	76.09
8099-020CSR	2	5	0	096	80.12
8099-025CSR	2-1/2	5	0	096	137.43
8099-030CSR	3	5	0	096	223.20
8099-040CSR	4	4	0	096	262.13
8099-060CSR	6	1	0	096	582.54

Special Reinforced Union 2000

SR Fipt with Viton® O-ring Seal - Stainless Steel Collar

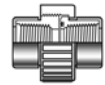


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8058-005CSR	1/2	20	160	096	15.72
8058-007CSR	3/4	20	80	096	27.41
8058-010CSR	1	15	90	096	37.67
8058-012CSR	1-1/4	10	0	096	71.00
8058-015CSR	1-1/2	10	0	096	77.48
8058-020CSR	2	5	0	096	81.64
8058-030CSR	3	5	0	096	230.71
8058-040CSR	4	4	0	096	270.28
8058-060CSR	6	1	0	096	608.69

Special Reinforced Union 2000

SR Fipt with EPDM O-ring Seal - Stainless Steel Collar

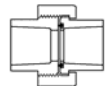


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8098-005CSR	1/2	20	160	096	15.20
8098-007CSR	3/4	20	80	096	27.16
8098-010CSR	1	15	90	096	37.24
8098-012CSR	1-1/4	10	0	096	70.31
8098-015CSR	1-1/2	10	0	096	76.88
8098-020CSR	2	5	0	096	80.84
8098-025CSR	2-1/2	5	0	096	139.70
8098-030CSR	3	5	0	096	227.14
8098-040CSR	4	4	0	096	262.95
8098-060CSR	6	1	0	096	584.34

Union (Old Style)

Soc with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

857-005C	1/2	10	60	090	26.01
857-007C	3/4	10	60	090	27.17



Schedule 80 CPVC Industrial Products & Accessories

Unions

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union (Old Style) (continued)

Soc with Viton® O-ring Seal

857-010C	1	10	40	090	32.61
857-012C	1-1/4	5	20	090	65.99
857-015C	1-1/2	5	0	090	67.19
857-020C	2	5	0	090	111.38
857-025C	2-1/2	5	0	090	182.67
857-030C	3	5	0	090	231.17
857-040C	4	4	0	090	295.35

Union (Old Style)

Soc with EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

897-005C	1/2	10	60	090	25.93
897-007C	3/4	10	60	090	26.85
897-010C	1	10	40	090	32.17
897-012C	1-1/4	5	20	090	65.14
897-015C	1-1/2	5	0	090	66.38
897-020C	2	5	0	090	110.01
897-025C	2-1/2	5	0	090	182.19
897-030C	3	5	0	090	228.32
897-040C	4	4	0	090	291.99

Union (Old Style)

Soc x Fipt with Viton® O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-005C	1/2	10	60	090	29.61
859-007C	3/4	10	40	090	51.67
859-010C	1	10	40	090	71.32
859-012C	1-1/4	5	20	090	135.84
859-015C	1-1/2	5	0	090	135.84
859-020C	2	5	0	090	153.57
859-025C	2-1/2	5	0	090	249.32
859-030C	3	5	0	090	294.89
859-040C	4	4	0	090	341.00

Union (Old Style)

Soc x Fipt with EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-005C	1/2	10	60	090	28.88
899-007C	3/4	10	60	090	51.06
899-010C	1	10	40	090	70.43
899-012C	1-1/4	5	20	090	134.16
899-015C	1-1/2	5	0	090	134.16
899-020C	2	5	0	090	151.67
899-025C	2-1/2	5	0	090	217.26
899-030C	3	5	0	090	291.27
899-040C	4	4	0	090	336.00

Union

Soc x Fipt with Brass Thread Insert & Viton® O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-007CBR	3/4	10	20	096	138.86
859-010CBR	1	10	0	096	154.66
859-012CBR	1-1/4	5	0	096	259.26
859-015CBR	1-1/2	5	0	096	294.62
859-020CBR	2	5	0	096	332.98

Not intended to convey or dispense water for human consumption through drinking or cooking

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union

Soc x Fipt with Brass Thread Insert & EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-007CBR	3/4	10	40	096	136.51
899-010CBR	1	10	0	096	152.76
899-012CBR	1-1/4	5	20	096	255.99
899-015CBR	1-1/2	5	0	096	290.86
899-020CBR	2	5	0	096	328.90

Not intended to convey or dispense water for human consumption through drinking or cooking

Union (Old Style)

Fipt with Viton® O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

858-005C	1/2	10	60	090	27.86
858-007C	3/4	10	60	090	49.24
858-010C	1	10	40	090	67.90
858-012C	1-1/4	5	20	090	129.37
858-015C	1-1/2	5	0	090	129.37
858-020C	2	5	0	090	146.23
858-025C	2-1/2	5	0	090	235.59
858-030C	3	5	0	090	447.02
858-040C	4	4	0	090	480.53

Union (Old Style)

Fipt with EPDM O-ring Seal

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

898-005C	1/2	10	60	090	27.51
898-007C	3/4	10	60	090	48.63
898-010C	1	10	40	090	67.06
898-012C	1-1/4	5	20	090	127.87
898-015C	1-1/2	5	0	090	127.87
898-020C	2	5	0	090	144.46
898-025C	2-1/2	5	0	090	203.51
898-030C	3	5	0	090	404.90
898-040C	4	4	0	090	471.38

Special Reinforced Union (Old Style)

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-002CSR	1/4	25	150	096	24.11
859-003CSR	3/8	25	100	096	24.11
859-005CSR	1/2	10	60	096	15.32
859-007CSR	3/4	10	40	096	27.03
859-010CSR	1	10	40	096	37.24
859-012CSR	1-1/4	5	20	096	71.00
859-015CSR	1-1/2	5	0	096	77.18
859-020CSR	2	5	0	096	80.35
859-030CSR	3	5	0	096	226.04
859-040CSR	4	4	0	096	263.72

Special Reinforced Union (Old Style)

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar

235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-002CSR	1/4	25	150	096	23.95
899-003CSR	3/8	25	100	096	23.95
899-005CSR	1/2	10	60	096	15.02
899-007CSR	3/4	10	40	096	26.67
899-010CSR	1	10	40	096	36.93
899-012CSR	1-1/4	5	20	096	69.96
899-015CSR	1-1/2	5	0	096	76.09

**Schedule 80 CPVC Industrial Products & Accessories
Unions**



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Special Reinforced Union (Old Style) (continued)

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar

899-020CSR	2	5	0	096	80.12
899-030CSR	3	5	0	096	223.20
899-040CSR	4	4	0	096	262.13

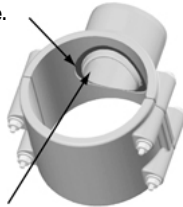


Schedule 80 CPVC Industrial Products & Accessories Clamp-On & Hot-Tap Saddles

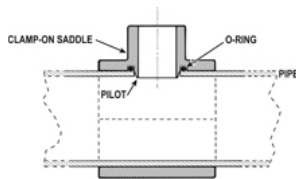
Spears® Two-Piece Clamp-On Saddle Design Clamps onto Pipe for Quick and Easy Installation



O-ring seal provides positive, trouble-free sealing to pipe.

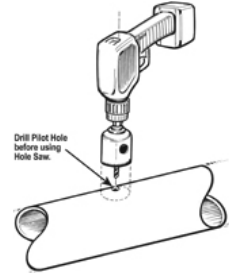


Special pilot engages with hole in pipe to prevent saddle dislocation.



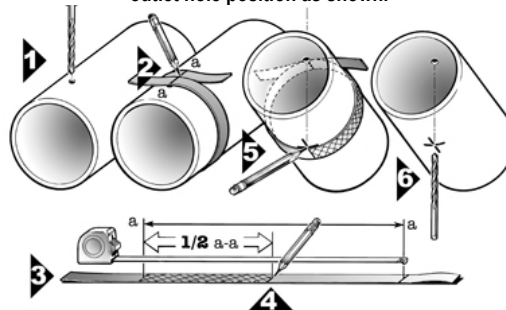
Clamp-On Saddle Installation Instructions

1. Using a standard industrial grade hole-saw, cut specified hole in desired position on pipe according to recommended hole saw size engraved on the saddle. Note: Care must be taken to deburr hole and remove all residue from hole area to assure tight fit and avoid leakage.
2. Fully seat O-ring in groove on underside of saddle outlet component. Position over hole and fully seat saddle onto pipe. Note: Certain saddle outlets are piloted. Be sure pilot lip fully engages with hole in pipe.
3. Place strap component opposite outlet and secure with bolts (4), nuts (4) and washers (8). Important: Washers MUST be placed under each bolt head (1) and under each nut (1) to avoid damage to saddle.
4. Tighten bolts to specified torque.



Saddle Size	2	3	4	6 & up
Recommended Bolt-Torque - ft/lb	8	8	8	10

For Double Outlet Saddle Installation — Determine second outlet hole position as shown.



Spears® Hot-Tap Saddles Designed for Adding Branch Connections to Piping Systems Under Live ("Hot") Pressure

Hot-Tap Saddle branch outlets are either 3/4" socket (with 1" Spigot O.D.) or 1-1/2" socket (with 2" Spigot O.D.) in saddle sizes 2" through 6" to fit IPS pipe using a built-in O-ring seal. Internal cutter is operated using conventional ratchet and drive extension and permanently retains coupon cut from pipe. Maximum operating pressure at 73°F (23°C) is 235 psi for saddle sizes 2" - 4", 200 psi for 6" saddles and 150 psi for 8" saddles. See packaged Installation Instructions for details.

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Single Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866V-247C	2X1/2	3/4	1	10	096	53.86
866V-248C	2X3/4	7/8	1	10	096	53.86
866V-249C	2X1	1-1/8	1	10	096	53.86
866V-250C	2X1-1/4	1-1/2	1	10	096	53.86
866V-251C	2X1-1/2	1-1/2	1	10	096	53.86
866V-291C	2-1/2X1-1/2	1-3/4	1	10	096	74.84
866V-333C ¹	3X1/2	7/8	1	10	096	74.84
866V-334C	3X3/4	7/8	1	10	096	74.84
866V-335C	3X1	1-1/8	1	10	096	74.84
866V-336C ¹	3X1-1/4	2-1/4	1	10	096	74.84
866V-337C ¹	3X1-1/2	2-1/4	1	10	096	74.84
866V-338C	3X2	2-1/4	1	10	096	74.84



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Single Outlet (continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

866V-415C ¹	4X1/2	1-1/8	1	10	096	89.95
866V-416C ¹	4X3/4	1-1/8	1	10	096	89.95
866V-417C	4X1	1-1/8	1	8	096	89.95
866V-418C ¹	4X1-1/4	1-3/4	1	8	096	89.95
866V-419C	4X1-1/2	1-3/4	1	8	096	89.95
866V-420C	4X2	2-1/4	1	8	096	89.95
866V-421C ¹	4X2-1/2	3	1	4	096	96.57
866V-422C	4X3	3	1	4	096	105.29
866V-523C ¹	6X1/2	1-1/8	1	4	096	149.94
866V-524C ¹	6X3/4	1-1/8	1	4	096	149.94
866V-525C	6X1	1-1/8	1	4	096	149.94
866V-526C ¹	6X1-1/4	2-1/4	1	4	096	149.94
866V-527C ¹	6X1-1/2	2-1/4	1	4	096	149.94
866V-528C	6X2	2-1/4	1	4	096	149.94

Schedule 80 CPVC Industrial Products & Accessories
Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Single Outlet

(continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

866V-529C ¹	6X2-1/2	3	1	4	096	162.27
866V-530C	6X3	3	1	4	096	172.74
866V-532C	6X4	4	1	4	096	184.05
866V-573C ¹	8X1/2	4	1	0	096	319.80
866V-574C ¹	8X3/4	4	1	0	096	319.80
866V-575C ¹	8X1	4	1	0	096	319.80
866V-576C ¹	8X1-1/4	4	1	0	096	319.80
866V-577C ¹	8X1-1/2	4	1	0	096	319.80
866V-578C ¹	8X2	4	1	0	096	319.80
866V-579C ¹	8X2-1/2	4	1	0	096	351.83
866V-580C ¹	8X3	4	1	0	096	369.16
866V-582C	8X4	4	1	0	096	402.00
866V-585C	8X6	6	1	0	096	552.71
866V-624C	10X4	4	1	0	096	517.05
866V-626C	10X6	6	1	0	096	594.50
866V-664C	12X4	4	1	0	096	648.11
866V-666C	12X6	6	1	0	096	686.99

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x Soc Single Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866SV-247C	2X1/2	3/4	1	10	096	82.20
866SV-248C	2X3/4	7/8	1	10	096	82.20
866SV-249C	2X1	1-1/8	1	10	096	82.20
866SV-250C	2X1-1/4	1-1/2	1	10	096	82.20
866SV-251C	2X1-1/2	1-1/2	1	10	096	82.20
866SV-291C	2-1/2X1-1/2	1-3/4	1	10	096	110.11
866SV-333C ¹	3X1/2	7/8	1	10	096	110.11
866SV-334C	3X3/4	7/8	1	10	096	110.11
866SV-335C	3X1	1-1/8	1	10	096	110.11
866SV-336C ¹	3X1-1/4	2-1/4	1	10	096	110.11
866SV-337C ¹	3X1-1/2	2-1/4	1	10	096	110.11
866SV-338C	3X2	2-1/4	1	10	096	110.11
866SV-415C ¹	4X1/2	1-1/8	1	10	096	142.23
866SV-416C ¹	4X3/4	1-1/8	1	10	096	142.23
866SV-417C	4X1	1-1/8	1	8	096	142.23
866SV-418C ¹	4X1-1/4	1-3/4	1	8	096	142.23
866SV-419C	4X1-1/2	1-3/4	1	8	096	142.23
866SV-420C	4X2	2-1/4	1	8	096	142.23
866SV-421C ¹	4X2-1/2	3	1	4	096	150.54
866SV-422C	4X3	3	1	4	096	158.20
866SV-523C ¹	6X1/2	1-1/8	1	4	096	226.46
866SV-524C ¹	6X3/4	1-1/8	1	4	096	226.46
866SV-525C	6X1	1-1/8	1	4	096	226.46
866SV-526C ¹	6X1-1/4	2-1/4	1	4	096	226.46
866SV-527C ¹	6X1-1/2	2-1/4	1	4	096	226.46
866SV-528C	6X2	2-1/4	1	4	096	226.46
866SV-529C ¹	6X2-1/2	3	1	4	096	235.45
866SV-530C	6X3	3	1	4	096	243.62
866SV-532C	6X4	4	1	4	096	258.94
866SV-573C ¹	8X1/2	4	1	0	096	417.85
866SV-574C ¹	8X3/4	4	1	0	096	417.85
866SV-575C ¹	8 X 1	4	1	0	096	417.85
866SV-576C ¹	8X1-1/4	4	1	0	096	417.85
866SV-577C ¹	8X1-1/2	4	1	0	096	417.85
866SV-578C ¹	8 X 2	4	1	0	096	417.85
866SV-579C ¹	8X2-1/2	4	1	0	096	442.28
866SV-580C ¹	8X3	4	1	0	096	482.72
866SV-582C	8X4	4	1	0	096	511.66
866SV-585C	8X6	6	1	0	096	567.87
866SV-624C	10X4	4	1	0	096	675.72
866SV-626C	10X6	6	1	0	096	777.19

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Single Outlet

(continued)

with Viton® O-ring Seal & SS Hardware

866SV-664C	12X4	4	1	0	096	846.99
866SV-666C	12X6	6	1	0	096	982.61

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x Soc Single Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866-247C	2X1/2	3/4	1	10	096	51.18
866-248C	2X3/4	7/8	1	10	096	51.18
866-249C	2X1	1-1/8	1	10	096	51.18
866-250C	2X1-1/4	1-1/2	1	10	096	51.18
866-251C	2X1-1/2	1-1/2	1	10	096	51.18
866-291C	2-1/2X1-1/2	1-3/4	1	10	096	68.56
866-333C ¹	3X1/2	7/8	1	10	096	68.56
866-334C	3X3/4	7/8	1	10	096	68.56
866-335C	3X1	1-1/8	1	10	096	68.56
866-336C ¹	3X1-1/4	2-1/4	1	10	096	68.56
866-337C ¹	3X1-1/2	2-1/4	1	10	096	68.56
866-338C	3X2	2-1/4	1	10	096	68.56
866-415C ¹	4X1/2	1-1/8	1	10	096	83.36
866-416C ¹	4X3/4	1-1/8	1	10	096	83.36
866-417C	4X1	1-1/8	1	8	096	83.36
866-418C ¹	4X1-1/4	1-3/4	1	8	096	83.36
866-419C	4X1-1/2	1-3/4	1	8	096	83.36
866-420C	4X2	2-1/4	1	8	096	83.36
866-421C ¹	4X2-1/2	3	1	4	096	91.56
866-422C	4X3	3	1	4	096	102.06
866-523C ¹	6X1/2	1-1/8	1	4	096	139.12
866-524C ¹	6X3/4	1-1/8	1	4	096	139.12
866-525C	6X1	1-1/8	1	4	096	139.12
866-526C ¹	6X1-1/4	2-1/4	1	4	096	139.12
866-527C ¹	6X1-1/2	2-1/4	1	4	096	139.12
866-528C	6X2	2-1/4	1	4	096	139.12
866-529C ¹	6X2-1/2	3	1	4	096	151.23
866-530C	6X3	3	1	4	096	162.22
866-532C	6X4	4	1	4	096	173.37
866-573C ¹	8X1/2	4	1	0	096	305.91
866-574C ¹	8X3/4	4	1	0	096	305.91
866-575C ¹	8X1	4	1	0	096	305.91
866-576C ¹	8X1-1/4	4	1	0	096	305.91
866-577C ¹	8X1-1/2	4	1	0	096	305.91
866-578C ¹	8X2	4	1	0	096	305.91
866-579C ¹	8X2-1/2	4	1	0	096	336.48
866-580C ¹	8X3	4	1	0	096	353.39
866-582C	8X4	4	1	0	096	374.56
866-585C	8X6	6	1	0	096	415.73
866-624C	10X4	4	1	0	096	494.66
866-626C	10X6	4	1	0	096	568.93
866-664C	12X4	4	1	0	096	620.17
866-666C	12X6	6	1	0	096	719.35

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x Soc Single Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

866S-247C	2X1/2	3/4	1	10	096	79.68
866S-248C	2X3/4	7/8	1	10	096	79.68
866S-249C	2X1	1-1/8	1	10	096	79.68
866S-250C	2X1-1/4	1-1/2	1	10	096	79.68
866S-251C	2X1-1/2	1-1/2	1	10	096	79.68
866S-291C	2-1/2X1-1/2	1-3/4	1	10	096	106.22
866S-333C ¹	3X1/2	7/8	1	10	096	106.22





Schedule 80 CPVC Industrial Products & Accessories

Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Single Outlet

(continued)

with EPDM O-ring Seal & SS Hardware

866S-334C	3X3/4	7/8	1	10	096	106.22
866S-335C	3X1	1-1/8	1	10	096	106.22
866S-336C ¹	3X1-1/4	2-1/4	1	10	096	106.22
866S-337C ¹	3X1-1/2	2-1/4	1	10	096	106.22
866S-338C	3X2	2-1/4	1	10	096	106.22
866S-415C ¹	4X1/2	1-1/8	1	10	096	135.89
866S-416C ¹	4X3/4	1-1/8	1	10	096	135.89
866S-417C	4X1	1-1/8	1	8	096	135.89
866S-418C ¹	4X1-1/4	1-3/4	1	8	096	135.89
866S-419C	4X1-1/2	1-3/4	1	8	096	135.89
866S-420C	4X2	2-1/4	1	8	096	135.89
866S-421C ¹	4X2-1/2	3	1	4	096	141.62
866S-422C	4X3	3	1	4	096	148.89
866S-523C ¹	6X1/2	1-1/8	1	4	096	214.13
866S-524C ¹	6X3/4	1-1/8	1	4	096	214.13
866S-525C	6X1	1-1/8	1	4	096	214.13
866S-526C ¹	6X1-1/4	2-1/4	1	4	096	214.13
866S-527C ¹	6X1-1/2	2-1/4	1	4	096	214.13
866S-528C	6X2	2-1/4	1	4	096	214.13
866S-529C ¹	6X2-1/2	3	1	4	096	226.65
866S-530C	6X3	3	1	4	096	240.40
866S-532C	6X4	4	1	4	096	251.48
866S-573C ¹	8X1/2	4	1	0	096	402.15
866S-574C ¹	8X3/4	4	1	0	096	402.15
866S-575C ¹	8X1	4	1	0	096	402.15
866S-576C ¹	8X1-1/4	4	1	0	096	402.15
866S-577C ¹	8X1-1/2	4	1	0	096	402.15
866S-578C ¹	8 X 2	4	1	0	096	402.15
866S-579C ¹	8X2-1/2	4	1	0	096	442.28
866S-580C ¹	8X3	4	1	0	096	464.43
866S-582C	8X4	4	1	0	096	492.30
866S-585C	8X6	6	1	0	096	546.29
866S-624C	10X4	4	1	0	096	650.06
866S-626C	10X6	6	1	0	096	747.62
866S-664C	12X4	4	1	0	096	814.80
866S-666C	12X6	6	1	0	096	945.20

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x SR Thread Single Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867V-247CSR	2X1/2	3/4	1	10	096	61.66
867V-248CSR	2X3/4	7/8	1	10	096	61.66
867V-249CSR	2X1	1-1/8	1	10	096	61.66
867V-250CSR	2X1-1/4	1-1/2	1	10	096	61.66
867V-251CSR	2X1-1/2	1-1/2	1	10	096	61.66
867V-291CSR	2-1/2X1-1/2	1-3/4	1	10	096	86.04
867V-333CSR ¹	3X1/2	7/8	1	10	096	86.04
867V-334CSR	3X3/4	7/8	1	10	096	86.04
867V-335CSR	3X1	1-1/8	1	10	096	86.04
867V-336CSR ¹	3X1-1/4	2-1/4	1	10	096	86.04
867V-337CSR ¹	3X1-1/2	2-1/4	1	10	096	86.04
867V-338CSR	3X2	2-1/4	1	10	096	86.04
867V-415CSR ¹	4X1/2	1-1/8	1	10	096	107.30
867V-416CSR ¹	4X3/4	1-1/8	1	10	096	107.30
867V-417CSR	4X1	1-1/8	1	8	096	107.30
867V-418CSR ¹	4X1-1/4	1-3/4	1	8	096	107.30
867V-419CSR	4X1-1/2	1-3/4	1	8	096	107.30
867V-420CSR	4X2	2-1/4	1	8	096	107.30
867V-421CSR ¹	4X2-1/2	3	1	4	096	115.74
867V-422CSR	4X3	3	1	4	096	127.41
867V-523CSR ¹	6X1/2	1-1/8	1	4	096	179.28
867V-524CSR ¹	6X3/4	1-1/8	1	4	096	179.28



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x SR Thread Single Outlet

(continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

867V-525CSR	6X1	1-1/8	1	4	096	179.28
867V-526CSR ¹	6X1-1/4	2-1/4	1	4	096	179.28
867V-527CSR ¹	6X1-1/2	2-1/4	1	4	096	179.28
867V-528CSR	6X2	2-1/4	1	4	096	179.28
867V-529CSR ¹	6X2-1/2	3	1	4	096	191.98
867V-530CSR	6X3	3	1	4	096	198.89
867V-532CSR	6X4	4	1	4	096	213.04
867V-573CSR ¹	8X1/2	4	1	0	096	357.39
867V-574CSR ¹	8X3/4	4	1	0	096	357.39
867V-575CSR ¹	8X1	4	1	0	096	357.39
867V-576CSR ¹	8X1-1/4	4	1	0	096	357.39
867V-577CSR ¹	8X1-1/2	4	1	0	096	357.39
867V-578CSR ¹	8X2	4	1	0	096	357.39
867V-579CSR ¹	8X2-1/2	4	1	0	096	393.10
867V-580CSR ¹	8X3	4	1	0	096	412.79
867V-582CSR	8X4	4	1	0	096	439.19
867V-585CSR	8X6	6	1	0	096	452.85
867V-624CSR	10X4	4	1	0	096	522.52
867V-626CSR	10X6	6	1	0	096	600.87
867V-664CSR	12X4	4	1	0	096	653.66
867V-666CSR	12X6	6	1	0	096	759.88

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x SR Thread Single Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867SV-245CSR ¹	2X1/4	1-1/8	1	10	096	107.24
867SV-247CSR	2X1/2	3/4	1	10	096	102.33
867SV-248CSR	2X3/4	7/8	1	10	096	102.33
867SV-249CSR	2X1	1-1/8	1	10	096	102.33
867SV-250CSR	2X1-1/4	1-1/2	1	10	096	102.33
867SV-251CSR	2X1-1/2	1-1/2	1	10	096	102.33
867SV-291CSR	2-1/2X1-1/2	1-3/4	1	10	096	137.47
867SV-331CSR ¹	3X1/4	1-1/8	1	10	096	145.33
867SV-333CSR ¹	3X1/2	7/8	1	10	096	137.47
867SV-334CSR	3X3/4	7/8	1	10	096	137.47
867SV-335CSR	3X1	1-1/8	1	10	096	137.47
867SV-336CSR ¹	3X1-1/4	2-1/4	1	10	096	137.47
867SV-337CSR ¹	3X1-1/2	2-1/4	1	10	096	137.47
867SV-338CSR	3X2	2-1/4	1	10	096	137.47
867SV-413CSR ¹	4X1/4	1-1/8	1	8	096	173.69
867SV-415CSR ¹	4X1/2	1-1/8	1	10	096	173.69
867SV-416CSR ¹	4X3/4	1-1/8	1	10	096	173.69
867SV-417CSR	4X1	1-1/8	1	8	096	173.69
867SV-418CSR ¹	4X1-1/4	1-3/4	1	8	096	173.69
867SV-419CSR	4X1-1/2	1-3/4	1	8	096	173.69
867SV-420CSR	4X2	2-1/4	1	8	096	173.69
867SV-421CSR ¹	4X2-1/2	3	1	4	096	180.70
867SV-422CSR	4X3	3	1	4	096	190.49
867SV-521CSR ¹	6X1/4	1-1/8	1	4	096	300.66
867SV-523CSR ¹	6X1/2	1-1/8	1	4	096	289.48
867SV-524CSR ¹	6X3/4	1-1/8	1	4	096	289.48
867SV-525CSR	6X1	1-1/8	1	4	096	289.48
867SV-526CSR ¹	6X1-1/4	2-1/4	1	4	096	289.48
867SV-527CSR ¹	6X1-1/2	2-1/4	1	4	096	289.48
867SV-528CSR	6X2	2-1/4	1	4	096	289.48
867SV-529CSR ¹	6X2-1/2	3	1	4	096	303.27
867SV-530CSR	6X3	3	1	4	096	315.49
867SV-532CSR	6X4	4	1	4	096	337.72
867SV-571CSR ¹	8X1/4	4	1	0	096	511.50
867SV-573CSR ¹	8X1/2	4	1	0	096	498.68
867SV-574CSR ¹	8X3/4	4	1	0	096	498.68
867SV-575CSR ¹	8X1	4	1	0	096	498.68



Schedule 80 CPVC Industrial Products & Accessories
Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x SR Thread Single Outlet
(continued)
with Viton® O-ring Seal & SS Hardware

867SV-576CSR ¹	8X1-1/4	4	1	0	096	498.68
867SV-577CSR ¹	8X1-1/2	4	1	0	096	498.68
867SV-578CSR ¹	8X2	4	1	0	096	498.68
867SV-579CSR ¹	8X2-1/2	4	1	0	096	548.59
867SV-580CSR ¹	8X3	4	1	0	096	576.04
867SV-582CSR	8X4	4	1	0	096	610.67
867SV-585CSR	8X6	6	1	0	096	642.87
867SV-624CSR	10X4	4	1	0	096	726.71
867SV-626CSR	10X6	6	1	0	096	835.70
867SV-664CSR	12X4	4	1	0	096	910.88
867SV-666CSR	12X6	6	1	0	096	1056.63

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x SR Thread Single Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867-247CSR	2X1/2	3/4	1	10	096	53.53
867-248CSR	2X3/4	7/8	1	10	096	53.53
867-249CSR	2X1	1-1/8	1	10	096	53.53
867-250CSR	2X1-1/4	1-1/2	1	10	096	53.53
867-251CSR	2X1-1/2	1-1/2	1	10	096	53.53
867-291CSR	2-1/2X1-1/2	1-3/4	1	10	096	73.16
867-333CSR ¹	3X1/2	7/8	1	10	096	73.16
867-334CSR	3X3/4	7/8	1	10	096	73.16
867-335CSR	3X1	1-1/8	1	10	096	73.16
867-336CSR ¹	3X1-1/4	2-1/4	1	10	096	73.16
867-337CSR ¹	3X1-1/2	2-1/4	1	10	096	73.16
867-338CSR	3X2	2-1/4	1	10	096	73.16
867-415CSR ¹	4X1/2	1-1/8	1	10	096	92.14
867-416CSR ¹	4X3/4	1-1/8	1	10	096	92.14
867-417CSR	4X1	1-1/8	1	8	096	92.14
867-418CSR ¹	4X1-1/4	1-3/4	1	8	096	92.14
867-419CSR	4X1-1/2	1-3/4	1	8	096	92.14
867-420CSR	4X2	2-1/4	1	8	096	92.14
867-421CSR ¹	4X2-1/2	3	1	4	096	102.24
867-422CSR	4X3	3	1	4	096	110.35
867-523CSR ¹	6X1/2	1-1/8	1	4	096	153.54
867-524CSR ¹	6X3/4	1-1/8	1	4	096	153.54
867-525CSR	6X1	1-1/8	1	4	096	153.54
867-526CSR ¹	6X1-1/4	2-1/4	1	4	096	153.54
867-527CSR ¹	6X1-1/2	2-1/4	1	4	096	153.54
867-528CSR	6X2	2-1/4	1	4	096	153.54
867-529CSR ¹	6X2-1/2	3	1	4	096	162.47
867-530CSR	6X3	3	1	4	096	171.80
867-532CSR	6X4	4	1	4	096	186.83
867-573CSR ¹	8X1/2	4	1	0	096	324.46
867-574CSR	8X3/4	4	1	0	096	324.46
867-575CSR ¹	8X1	4	1	0	096	324.46
867-576CSR ¹	8X1-1/4	4	1	0	096	324.46
867-577CSR ¹	8X1-1/2	4	1	0	096	324.46
867-578CSR ¹	8X2	4	1	0	096	324.46
867-579CSR ¹	8X2-1/2	4	1	0	096	356.90
867-580CSR ¹	8X3	4	1	0	096	378.31
867-582CSR	8X4	4	1	0	096	401.10
867-585CSR	8X6	6	1	0	096	417.03
867-624CSR	10X4	4	1	0	096	477.34
867-626CSR	10X6	6	1	0	096	548.90
867-664CSR	12X4	4	1	0	096	598.34
867-666CSR	12X6	6	1	0	096	694.02

¹Outlet-sized with Bushing



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x SR Thread Single Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867S-245CSR ¹	2X1/4	1-1/8	1	10	096	94.39
867S-247CSR	2X1/2	3/4	1	10	096	91.91
867S-248CSR	2X3/4	7/8	1	10	096	91.91
867S-249CSR	2X1	1-1/8	1	10	096	91.91
867S-250CSR	2X1-1/4	1-1/2	1	10	096	91.91
867S-251CSR	2X1-1/2	1-1/2	1	10	096	91.91
867S-291CSR	2-1/2X1-1/2	1-3/4	1	10	096	123.03
867S-331CSR ¹	3X1/4	1-1/8	1	10	096	126.94
867S-333CSR ¹	3X1/2	7/8	1	10	096	123.03
867S-334CSR	3X3/4	7/8	1	10	096	123.03
867S-335CSR	3X1	1-1/8	1	10	096	123.03
867S-336CSR ¹	3X1-1/4	2-1/4	1	10	096	123.03
867S-337CSR ¹	3X1-1/2	2-1/4	1	10	096	123.03
867S-338CSR	3X2	2-1/4	1	10	096	123.03
867S-413CSR ¹	4X1/4	1-1/8	1	8	096	159.56
867S-415CSR ¹	4X1/2	1-1/8	1	10	096	154.84
867S-416CSR ¹	4X3/4	1-1/8	1	10	096	154.84
867S-417CSR	4X1	1-1/8	1	8	096	154.84
867S-418CSR ¹	4X1-1/4	1-3/4	1	8	096	154.84
867S-419CSR	4X1-1/2	1-3/4	1	8	096	154.84
867S-420CSR	4X2	2-1/4	1	8	096	154.84
867S-421CSR ¹	4X2-1/2	3	1	4	096	164.19
867S-422CSR	4X3	3	1	4	096	171.90
867S-521CSR ¹	6X1/4	1-1/8	1	8	096	267.69
867S-523CSR ¹	6X1/2	1-1/8	1	4	096	258.07
867S-524CSR ¹	6X3/4	1-1/8	1	4	096	258.07
867S-525CSR	6X1	1-1/8	1	4	096	258.07
867S-526CSR ¹	6X1-1/4	2-1/4	1	4	096	258.07
867S-527CSR ¹	6X1-1/2	2-1/4	1	4	096	258.07
867S-528CSR	6X2	2-1/4	1	4	096	258.07
867S-529CSR ¹	6X2-1/2	3	1	4	096	268.38
867S-530CSR	6X3	3	1	4	096	277.38
867S-532CSR	6X4	4	1	4	096	289.61
867S-571CSR ¹	8X1/4	4	1	0	096	475.35
867S-573CSR	8X1/2	4	1	0	096	458.47
867S-574CSR ¹	8X3/4	4	1	0	096	458.47
867S-575CSR ¹	8X1	4	1	0	096	458.47
867S-576CSR ¹	8X1-1/4	4	1	0	096	458.47
867S-577CSR ¹	8X1-1/2	4	1	0	096	458.47
867S-578CSR ¹	8X2	4	1	0	096	458.47
867S-579CSR ¹	8X2-1/2	4	1	0	096	504.30
867S-580CSR ¹	8X3	4	1	0	096	529.47
867S-582CSR	8X4	4	1	0	096	561.23
867S-585CSR	8X6	6	1	0	096	588.71
867S-624CSR	10X4	4	1	0	096	667.87
867S-626CSR	10X6	6	0	0	096	768.06
867S-664CSR	12X4	4	1	0	096	837.18
867S-666CSR	12X6	6	1	0	096	971.16

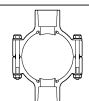
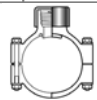
¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x Soc Double Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

868V-247C	2X1/2	3/4	1	10	096	73.26
868V-248C	2X3/4	7/8	1	10	096	73.26
868V-249C	2X1	1-1/8	1	10	096	73.26
868V-250C	2X1-1/4	1-1/2	1	10	096	73.26
868V-251C	2X1-1/2	1-1/2	1	10	096	73.26
868V-291C	2-1/2X1-1/2	1-3/4	1	10	096	89.59
868V-333C ¹	3X1/2	7/8	1	10	096	89.59
868V-334C	3X3/4	7/8	1	10	096	89.59





Schedule 80 CPVC Industrial Products & Accessories

Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Double Outlet (continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

868V-335C	3X1	1-1/8	1	10	096	89.59
868V-336C ¹	3X1-1/4	2-1/4	1	10	096	89.59
868V-337C ¹	3X1-1/2	2-1/4	1	10	096	89.59
868V-338C ¹	3X2	2-1/4	1	10	096	89.59
868V-415C ¹	4X1/2	1-1/8	1	10	096	120.62
868V-416C ¹	4X3/4	1-1/8	1	10	096	120.62
868V-417C	4X1	1-1/8	1	8	096	120.62
868V-418C ¹	4X1-1/4	1-3/4	1	8	096	120.62
868V-419C	4X1-1/2	1-3/4	1	8	096	120.62
868V-420C	4X2	2-1/4	1	8	096	120.62
868V-421C ¹	4X2-1/2	3	1	4	096	126.03
868V-422C	4X3	3	4	0	096	137.54
868V-523C ¹	6X1/2	1-1/8	1	4	096	195.15
868V-524C ¹	6X3/4	1-1/8	1	4	096	195.15
868V-525C	6X1	1-1/8	1	4	096	195.15
868V-526C ¹	6X1-1/4	2-1/4	1	4	096	195.15
868V-527C ¹	6X1-1/2	2-1/4	1	4	096	195.15
868V-528C	6X2	2-1/4	1	4	096	195.15
868V-529C	6X2-1/2	3	1	4	096	226.02
868V-530C	6X3	3	1	4	096	238.31
868V-532C	6X4	4	1	4	096	248.62
868V-573C ¹	8X1/2	4	1	0	096	377.82
868V-574C ¹	8X3/4	4	1	0	096	377.82
868V-575C ¹	8X1	4	1	0	096	377.82
868V-576C ¹	8X1-1/4	4	1	0	096	377.82
868V-577C ¹	8X1-1/2	4	1	0	096	377.82
868V-578C ¹	8X2	4	1	0	096	377.82
868V-579C ¹	8X2-1/2	4	1	0	096	415.57
868V-580C ¹	8X3	4	1	0	096	436.32
868V-582C	8X4	4	1	0	096	462.46
868V-585C	8X6	6	1	0	096	513.37
868V-624C	10X4	4	1	0	096	610.84
868V-626C	10X6	6	1	0	096	702.69
868V-664C	12X4	4	1	0	096	765.77
868V-666C	12X6	6	1	0	096	888.16

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x Soc Double Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

868SV-247C	2X1/2	3/4	1	10	096	111.80
868SV-248C	2X3/4	7/8	1	10	096	111.80
868SV-249C	2X1	1-1/8	1	10	096	111.80
868SV-250C	2X1-1/4	1-1/2	1	10	096	111.80
868SV-251C	2X1-1/2	1-1/2	1	10	096	111.80
868SV-291C	2-1/2X1-1/2	1-3/4	1	10	096	148.73
868SV-333C ¹	3X1/2	7/8	1	10	096	148.73
868SV-334C	3X3/4	7/8	1	10	096	148.73
868SV-335C	3X1	1-1/8	1	10	096	148.73
868SV-336C ¹	3X1-1/4	2-1/4	1	10	096	148.73
868SV-337C ¹	3X1-1/2	2-1/4	1	10	096	148.73
868SV-338C	3X2	2-1/4	1	10	096	148.73
868SV-415C ¹	4X1/2	1-1/8	1	10	096	189.01
868SV-416C ¹	4X3/4	1-1/8	1	10	096	189.01
868SV-417C	4X1	1-1/8	1	8	096	189.01
868SV-418C ¹	4X1-1/4	1-3/4	1	8	096	189.01
868SV-419C	4X1-1/2	1-3/4	1	8	096	189.01
868SV-420C	4X2	2-1/4	1	8	096	189.01
868SV-421C ¹	4X2-1/2	3	1	4	096	196.66
868SV-422C	4X3	3	4	0	096	209.50
868SV-523C ¹	6X1/2	1-1/8	1	4	096	314.39
868SV-524C ¹	6X3/4	1-1/8	1	4	096	314.39
868SV-525C	6X1	1-1/8	1	4	096	314.39

Page 276

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Double Outlet (continued)

with Viton® O-ring Seal & SS Hardware

868SV-526C ¹	6X1-1/4	2-1/4	1	4	096	314.39
868SV-527C ¹	6X1-1/2	2-1/4	1	4	096	314.39
868SV-528C	6X2	2-1/4	1	4	096	314.39
868SV-529C ¹	6X2-1/2	3	1	4	096	324.06
868SV-530C	6X3	3	1	4	096	339.03
868SV-532C	6X4	4	1	4	096	347.09
868SV-573C ¹	8X1/2	4	1	0	096	530.68
868SV-574C ¹	8X3/4	4	1	0	096	530.68
868SV-575C ¹	8X1	4	1	0	096	530.68
868SV-576C ¹	8X1-1/4	4	1	0	096	530.68
868SV-577C ¹	8X1-1/2	4	1	0	096	530.68
868SV-578C ¹	8X2	4	1	0	096	530.68
868SV-579C ¹	8X2-1/2	4	1	0	096	583.55
868SV-580C ¹	8X3	4	1	0	096	612.88
868SV-582C	8X4	4	1	0	096	649.60
868SV-585C	8X6	6	1	0	096	721.15
868SV-624C	10X4	4	1	0	096	858.18
868SV-626C	10X6	6	1	0	096	987.02
868SV-664C	12X4	4	1	0	096	1075.60
868SV-666C	12X6	6	1	0	096	1247.83

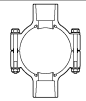
¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x Soc Double Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

868-247C	2X1/2	3/4	1	10	096	61.46
868-248C	2X3/4	7/8	1	10	096	61.46
868-249C	2X1	1-1/8	1	10	096	61.46
868-250C	2X1-1/4	1-1/2	1	10	096	61.46
868-251C	2X1-1/2	1-1/2	1	10	096	61.46
868-291C	2-1/2X1-1/2	1-3/4	1	10	096	84.38
868-333C ¹	3X1/2	7/8	1	10	096	84.38
868-334C	3X3/4	7/8	1	10	096	84.38
868-335C	3X1	1-1/8	1	10	096	84.38
868-336C ¹	3X1-1/4	2-1/4	1	10	096	84.38
868-337C ¹	3X1-1/2	2-1/4	1	10	096	84.38
868-338C	3X2	2-1/4	1	10	096	84.38
868-415C ¹	4X1/2	1-1/8	1	10	096	105.90
868-416C ¹	4X3/4	1-1/8	1	10	096	105.90
868-417C	4X1	1-1/8	1	8	096	105.90
868-418C ¹	4X1-1/4	1-3/4	1	8	096	105.90
868-419C	4X1-1/2	1-3/4	1	8	096	105.90
868-420C	4X2	2-1/4	1	8	096	105.90
868-421C ¹	4X2-1/2	3	1	4	096	111.51
868-422C	4X3	3	1	4	096	121.21
868-523C ¹	6X1/2	1-1/8	1	4	096	176.80
868-524C ¹	6X3/4	1-1/8	1	4	096	176.80
868-525C	6X1	1-1/8	1	4	096	176.80
868-526C ¹	6X1-1/4	2-1/4	1	4	096	176.80
868-527C ¹	6X1-1/2	2-1/4	1	4	096	176.80
868-528C	6X2	2-1/4	1	4	096	176.80
868-529C ¹	6X2-1/2	3	1	4	096	187.96
868-530C	6X3	3	1	4	096	198.70
868-532C	6X4	4	1	4	096	205.11
868-573C ¹	8X1/2	4	1	0	096	354.28
868-574C ¹	8X3/4	4	1	0	096	354.28
868-575C ¹	8X1	4	1	0	096	354.28
868-576C ¹	8X1-1/4	4	1	0	096	354.28
868-577C ¹	8X1-1/2	4	1	0	096	354.28
868-578C ¹	8X2	4	1	0	096	354.28
868-579C ¹	8X2-1/2	4	1	0	096	389.66
868-580C ¹	8X3	4	1	0	096	409.19
868-582C	8X4	4	1	0	096	433.70



Schedule 80 CPVC Industrial Products & Accessories
Clamp-On & Hot-Tap Saddles



Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x Soc Double Outlet
(continued)

with EPDM O-ring Seal & Zinc-Plated Hardware

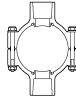
868-585C	8X6	6	1	0	096	481.41
868-624C	10X4	4	1	0	096	572.93
868-626C	10X6	6	1	0	096	658.81
868-664C	12X4	4	1	0	096	718.05
868-666C	12X6	6	1	0	096	833.09

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x Soc Double Outlet

with EPDM O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



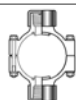
868S-247C	2X1/2	3/4	1	10	096	97.19
868S-248C	2X3/4	7/8	1	10	096	97.19
868S-249C	2X1	1-1/8	1	10	096	97.19
868S-250C	2X1-1/4	1-1/2	1	10	096	97.19
868S-251C	2X1-1/2	1-1/2	1	10	096	97.19
868S-291C	2-1/2X1-1/2	1-3/4	1	10	096	129.27
868S-333C ¹	3X1/2	7/8	1	10	096	129.27
868S-334C	3X3/4	7/8	1	10	096	129.27
868S-335C	3X1	1-1/8	1	10	096	129.27
868S-336C ¹	3X1-1/4	2-1/4	1	10	096	129.27
868S-337C ¹	3X1-1/2	2-1/4	1	10	096	129.27
868S-338C	3X2	2-1/4	1	10	096	129.27
868S-415C ¹	4X1/2	1-1/8	1	10	096	165.65
868S-416C ¹	4X3/4	1-1/8	1	10	096	165.65
868S-417C	4X1	1-1/8	1	8	096	165.65
868S-418C ¹	4X1-1/4	1-3/4	1	8	096	165.65
868S-419C	4X1-1/2	1-3/4	1	8	096	165.65
868S-420C	4X2	2-1/4	1	8	096	165.65
868S-421C ¹	4X2-1/2	3	1	4	096	173.37
868S-422C	4X3	3	4	0	096	181.31
868S-523C ¹	6X1/2	1-1/8	1	4	096	276.64
868S-524C ¹	6X3/4	1-1/8	1	4	096	276.64
868S-525C	6X1	1-1/8	1	4	096	276.64
868S-526C ¹	6X1-1/4	2-1/4	1	4	096	276.64
868S-527C ¹	6X1-1/2	2-1/4	1	4	096	276.64
868S-528C	6X2	2-1/4	1	4	096	276.64
868S-529C ¹	6X2-1/2	3	1	4	096	290.36
868S-530C	6X3	3	1	4	096	297.37
868S-532C	6X4	4	1	4	096	308.20
868S-573C ¹	8X1/2	4	1	0	096	482.24
868S-574C ¹	8X3/4	4	1	0	096	482.24
868S-575C ¹	8X1	4	1	0	096	482.24
868S-576C ¹	8X1-1/4	4	1	0	096	482.24
868S-577C ¹	8X1-1/2	4	1	0	096	482.24
868S-578C ¹	8X2	4	1	0	096	482.24
868S-579C ¹	8X2-1/2	4	1	0	096	530.45
868S-580C ¹	8X3	4	1	0	096	556.99
868S-582C	8X4	4	1	0	096	590.41
868S-585C	8X6	6	1	0	096	655.48
868S-624C	10X4	4	1	0	096	779.98
868S-626C	10X6	6	1	0	096	896.99
868S-664C	12X4	4	1	0	096	977.71
868S-666C	12X6	6	1	0	096	1134.10

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x SR Thread Double Outlet

with Viton® O-ring Seal & Zinc-Plated Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



869V-247CSR	2X1/2	3/4	1	10	096	81.96
869V-248CSR	2X3/4	7/8	1	10	096	81.96
869V-249CSR	2X1	1-1/8	1	10	096	81.96
869V-250CSR	2X1-1/4	1-1/2	1	10	096	81.96

Made in the U.S.A.

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x SR Thread Double Outlet (continued)

with Viton® O-ring Seal & Zinc-Plated Hardware

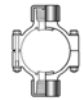
869V-251CSR	2X1-1/2	1-1/2	1	10	096	81.96
869V-291CSR	2-1/2X1-1/2	1-3/4	1	10	096	112.38
869V-333CSR ¹	3X1/2	7/8	1	10	096	112.38
869V-334CSR	3X3/4	7/8	1	10	096	112.38
869V-335CSR	3X1	1-1/8	1	10	096	112.38
869V-336CSR ¹	3X1-1/4	2-1/4	1	10	096	112.38
869V-337CSR ¹	3X1-1/2	2-1/4	1	10	096	112.38
869V-338CSR	3X2	2-1/4	1	10	096	112.38
869V-415CSR ¹	4X1/2	1-1/8	1	10	096	137.53
869V-416CSR ¹	4X3/4	1-1/8	1	10	096	137.53
869V-417CSR	4X1	1-1/8	1	8	096	137.53
869V-418CSR ¹	4X1-1/4	1-3/4	1	8	096	137.53
869V-419CSR	4X1-1/2	1-3/4	1	8	096	137.53
869V-420CSR	4X2	2-1/4	1	8	096	137.53
869V-421CSR ¹	4X2-1/2	3	1	4	096	147.71
869V-422CSR	4X3	3	4	0	096	155.56
869V-523CSR ¹	6X1/2	1-1/8	1	4	096	228.05
869V-524CSR ¹	6X3/4	1-1/8	1	4	096	228.05
869V-525CSR	6X1	1-1/8	1	4	096	228.05
869V-526CSR ¹	6X1-1/4	2-1/4	1	4	096	228.05
869V-527CSR ¹	6X1-1/2	2-1/4	1	4	096	228.05
869V-528CSR	6X2	2-1/4	1	4	096	228.05
869V-529CSR ¹	6X2-1/2	3	1	4	096	239.52
869V-530CSR	6X3	3	1	4	096	249.41
869V-532CSR	6X4	4	1	4	096	264.19
869V-573CSR ¹	8X1/2	4	1	0	096	419.99
869V-574CSR ¹	8X3/4	4	1	0	096	419.99
869V-575CSR ¹	8X1	4	1	0	096	419.99
869V-576CSR ¹	8X1-1/4	4	1	0	096	419.99
869V-577CSR ¹	8X1-1/2	4	1	0	096	419.99
869V-578CSR ¹	8X2	4	1	0	096	419.99
869V-579CSR ¹	8X2-1/2	4	1	0	096	461.98
869V-580CSR ¹	8X3	4	1	0	096	485.03
869V-582CSR	8X4	4	1	0	096	514.12
869V-585CSR	8X6	6	1	0	096	568.67
869V-624CSR	10X4	4	1	0	096	611.67
869V-626CSR	10X6	6	1	0	096	703.51
869V-664CSR	12X4	4	1	0	096	766.89
869V-666CSR	12X6	6	1	0	096	889.47

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x SR Thread Double Outlet

with Viton® O-ring Seal & SS Hardware

2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)



869SV-247CSR	2X1/2	3/4	1	10	096	120.62
869SV-248CSR	2X3/4	7/8	1	10	096	120.62
869SV-249CSR	2X1	1-1/8	1	10	096	120.62
869SV-250CSR	2X1-1/4	1-1/2	1	10	096	120.62
869SV-251CSR	2X1-1/2	1-1/2	1	10	096	120.62
869SV-291CSR	2-1/2X1-1/2	1-1/2	1	10	096	152.86
869SV-333CSR ¹	3X1/2	7/8	1	10	096	152.86
869SV-334CSR	3X3/4	7/8	1	10	096	152.86
869SV-335CSR	3X1	1-1/8	1	10	096	152.86
869SV-336CSR ¹	3X1-1/4	2-1/4	1	10	096	152.86
869SV-337CSR ¹	3X1-1/2	2-1/4	1	10	096	152.86
869SV-338CSR	3X2	2-1/4	1	10	096	152.86
869SV-415CSR ¹	4X1/2	1-1/8	1	10	096	200.73
869SV-416CSR ¹	4X3/4	1-1/8	1	10	096	200.73
869SV-417CSR	4X1	1-1/8	1	8	096	200.73
869SV-418CSR ¹	4X1-1/4	1-3/4	1	8	096	200.73
869SV-419CSR	4X1-1/2	1-3/4	1	8	096	200.73
869SV-420CSR	4X2	2-1/4	1	8	096	200.73
869SV-421CSR ¹	4X2-1/2	3	1	4	096	210.74



Schedule 80 CPVC Industrial Products & Accessories

Clamp-On & Hot-Tap Saddles

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x SR Thread Double Outlet (continued)

with Viton® O-ring Seal & SS Hardware

869SV-422CSR	4X3	3	4	0	096	225.77
869SV-523CSR ¹	6X1/2	1-1/8	1	4	096	358.67
869SV-524CSR ¹	6X3/4	1-1/8	1	4	096	358.67
869SV-525CSR	6X1	1-1/8	1	4	096	358.67
869SV-526CSR ¹	6X1-1/4	2-1/4	1	4	096	358.67
869SV-527CSR ¹	6X1-1/2	2-1/4	1	4	096	358.67
869SV-528CSR	6X2	2-1/4	1	4	096	358.67
869SV-529CSR ¹	6X2-1/2	3	1	4	096	372.46
869SV-530CSR	6X3	3	1	4	096	384.27
869SV-532CSR	6X4	4	1	4	096	393.07
869SV-573CSR ¹	8X1/2	4	1	0	096	587.47
869SV-574CSR ¹	8X3/4	4	1	0	096	587.47
869SV-575CSR ¹	8X1	4	1	0	096	587.47
869SV-576CSR ¹	8X1-1/4	4	1	0	096	587.47
869SV-577CSR ¹	8X1-1/2	4	1	0	096	587.47
869SV-578CSR ¹	8X2	4	1	0	096	587.47
869SV-579CSR ¹	8X2-1/2	4	1	0	096	646.13
869SV-580CSR ¹	8X3	4	1	0	096	666.59
869SV-582CSR	8X4	4	1	0	096	719.19
869SV-585CSR	8X6	6	1	0	096	768.37
869SV-624CSR	10X4	4	1	0	096	855.82
869SV-626CSR	10X6	6	1	0	096	984.24
869SV-664CSR	12X4	4	1	0	096	1072.81
869SV-666CSR	12X6	6	1	0	096	1244.56

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x SR Thread Double Outlet

with EPDM O-ring Seal & Zinc-Plated Hardware

2" - 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

869-247CSR	2X1/2	3/4	1	10	096	71.21
869-248CSR	2X3/4	7/8	1	10	096	71.21
869-249CSR	2X1	1-1/8	1	10	096	71.21
869-250CSR	2X1-1/4	1-1/2	1	10	096	71.21
869-251CSR	2X1-1/2	1-1/2	1	10	096	71.21
869-291CSR	2-1/2X1-1/2	1-3/4	1	10	096	96.16
869-333CSR ¹	3X1/2	7/8	1	10	096	96.16
869-334CSR	3X3/4	7/8	1	10	096	96.16
869-335CSR	3X1	1-1/8	1	10	096	96.16
869-336CSR ¹	3X1-1/4	1-1/8	1	10	096	96.16
869-337CSR ¹	3X1-1/2	2-1/4	1	10	096	96.16
869-338CSR	3X2	2-1/4	1	10	096	96.16
869-415CSR ¹	4X1/2	1-1/8	1	10	096	119.37
869-416CSR ¹	4X3/4	1-1/8	1	10	096	119.37
869-417CSR	4X1	1-1/8	1	8	096	119.37
869-418CSR ¹	4X1-1/4	1-3/4	1	8	096	119.37
869-419CSR	4X1-1/2	1-3/4	1	8	096	119.37
869-420CSR	4X2	2-1/4	1	8	096	119.37
869-421CSR ¹	4X2-1/2	3	1	4	096	132.01
869-422CSR	4X3	3	1	4	096	142.86
869-523CSR ¹	6X1/2	1-1/8	1	4	096	194.99
869-524CSR ¹	6X3/4	1-1/8	1	4	096	194.99
869-525CSR	6X1	1-1/8	1	4	096	194.99
869-526CSR ¹	6X1-1/4	2-1/4	1	4	096	194.99
869-527CSR ¹	6X1-1/2	2-1/4	1	4	096	194.99
869-528CSR	6X2	2-1/4	1	4	096	194.99
869-529CSR ¹	6X2-1/2	3	1	4	096	208.71
869-530CSR	6X3	3	1	4	096	225.81
869-532CSR	6X4	4	1	4	096	239.47
869-573CSR ¹	8X1/2	4	1	0	096	377.50
869-574CSR ¹	8X3/4	4	1	0	096	377.50
869-575CSR ¹	8X1	4	1	0	096	377.50
869-576CSR ¹	8X1-1/4	4	1	0	096	377.50
869-577CSR ¹	8X1-1/2	4	1	0	096	377.50

Page 278

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Spears® Manufacturing Company

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

CPVC Gray Clamp-On Saddle x SR Thread Double Outlet (continued)

with EPDM O-ring Seal & Zinc-Plated Hardware

869-578CSR ¹	8X2	4	1	0	096	377.50
869-579CSR ¹	8X2-1/2	4	1	0	096	415.32
869-580CSR ¹	8X3	4	1	0	096	436.17
869-582CSR	8X4	4	1	0	096	462.29
869-585CSR	8X6	6	1	0	096	499.52
869-624CSR	10X4	4	1	0	096	550.04
869-626CSR	10X6	6	1	0	096	632.66
869-664CSR	12X4	4	1	0	096	689.61
869-666CSR	12X6	6	1	0	096	799.93

¹Outlet-sized with Bushing

CPVC Gray Clamp-On Saddle x SR Thread Double Outlet

with EPDM O-ring Seal & SS Hardware

2" - 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

869S-247CSR	2X1/2	3/4	1	10	096	114.46
869S-248CSR	2X3/4	7/8	1	10	096	114.46
869S-249CSR	2X1	1-1/8	1	10	096	114.46
869S-250CSR	2X1-1/4	1-1/2	1	10	096	114.46
869S-251CSR	2X1-1/2	1-1/2	1	10	096	114.46
869S-291CSR	2-1/2X1-1/2	1-3/4	1	10	096	150.95
869S-333CSR ¹	3X1/2	7/8	1	10	096	150.95
869S-334CSR	3X3/4	7/8	1	10	096	150.95
869S-335CSR	3X1	1-1/8	1	10	096	150.95
869S-336CSR ¹	3X1-1/4	2-1/4	1	10	096	150.95
869S-337CSR ¹	3X1-1/2	2-1/4	1	10	096	150.95
869S-338CSR	3X2	2-1/4	1	10	096	150.95
869S-415CSR ¹	4X1/2	1-1/8	1	10	096	189.00
869S-416CSR ¹	4X3/4	1-1/8	1	10	096	189.00
869S-417CSR	4X1	1-1/8	1	8	096	189.00
869S-418CSR ¹	4X1-1/4	1-3/4	1	8	096	189.00
869S-419CSR	4X1-1/2	1-3/4	1	8	096	189.00
869S-420CSR	4X2	2-1/4	1	8	096	189.00
869S-421CSR ¹	4X2-1/2	3	1	4	096	203.03
869S-422CSR	4X3	3	4	0	096	217.63
869S-523CSR ¹	6X1/2	1-1/8	1	4	096	318.32
869S-524CSR ¹	6X3/4	1-1/8	1	4	096	318.32
869S-525CSR	6X1	1-1/8	1	4	096	318.32
869S-526CSR ¹	6X1-1/4	2-1/4	1	4	096	318.32
869S-527CSR ¹	6X1-1/2	2-1/4	1	4	096	318.32
869S-528CSR	6X2	2-1/4	1	4	096	318.32
869S-529CSR ¹	6X2-1/2	3	1	4	096	325.47
869S-530CSR	6X3	3	1	4	096	339.85
869S-532CSR	6X4	4	1	4	096	349.34
869S-573CSR ¹	8X1/2	4	1	0	096	535.77
869S-574CSR ¹	8X3/4	4	1	0	096	535.77
869S-575CSR ¹	8X1	4	1	0	096	535.77
869S-576CSR ¹	8X1-1/4	4	1	0	096	535.77
869S-577CSR ¹	8X1-1/2	4	1	0	096	535.77
869S-578CSR ¹	8X2	4	1	0	096	535.77
869S-579CSR ¹	8X2-1/2	4	1	0	096	589.29
869S-580CSR ¹	8X3	4	1	0	096	618.69
869S-582CSR	8X4	4	1	0	096	655.86
869S-585CSR	8X6	6	1	0	096	688.76
869S-624CSR	10X4	4	1	0	096	780.48
869S-626CSR	10X6	6	1	0	096	897.48
869S-664CSR	12X4	4	1	0	096	978.36
869S-666CSR	12X6	6	1	0	096	1134.77

¹Outlet-sized with Bushing



Schedule 80 CPVC Industrial Products & Accessories
Clamp-On & Hot-Tap Saddles



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC Gray Hot-Tap Saddle

EPDM Saddle x Soc (Spigot) Zinc Plated Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT2-248C	2X3/4 (1)	1	5	050	80.89
HT2-251C	2X1-1/2 (2)	1	5	050	166.97
HT2-288C	2-1/2X3/4 (1)	1	5	050	86.35
HT2-291C	2-1/2X1-1/2 (2)	1	5	050	172.55
HT2-334C	3X3/4 (1)	1	5	050	98.93
HT2-337C	3X1-1/2 (2)	1	5	050	190.29
HT2-416C	4X3/4 (1)	1	5	050	114.30
HT2-419C	4X1-1/2 (2)	1	0	050	201.20
HT2-524C	6X3/4 (1)	1	5	050	128.54
HT2-527C	6X1-1/2 (2)	1	0	050	214.19
HT2-574C	8X3/4 (1)	1	5	050	118.39
HT2-577C	8X1-1/2 (2)	1	0	050	221.17

CPVC Gray Hot-Tap Saddle

EPDM Saddle x Soc (Spigot) SS316 Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT2S-248C	2X3/4 (1)	1	5	050	125.74
HT2S-251C	2X1-1/2 (2)	1	5	050	259.88
HT2S-288C	2-1/2X3/4 (1)	1	5	050	134.41
HT2S-291C	2-1/2X1-1/2 (2)	1	5	050	268.68
HT2S-334C	3X3/4 (1)	1	5	050	154.12
HT2S-337C	3X1-1/2 (2)	1	5	050	296.21
HT2S-416C	4X3/4 (1)	1	5	050	178.01
HT2S-419C	4X1-1/2 (2)	1	0	050	313.26
HT2S-524C	6X3/4 (1)	1	5	050	199.80
HT2S-527C	6X1-1/2 (2)	1	0	050	333.37
HT2S-574C	8X3/4 (1)	1	0	050	216.01
HT2S-577C	8X1-1/2 (2)	1	0	050	360.48

CPVC Gray Hot-Tap Saddle

Viton® Saddle x Soc (Spigot) Zinc Plated Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT3-248C	2X3/4 (1)	1	5	050	87.89
HT3-251C	2X1-1/2 (2)	1	5	050	181.21
HT3-288C	2-1/2X3/4 (1)	1	5	050	93.90
HT3-291C	2-1/2X1-1/2 (2)	1	5	050	187.22
HT3-334C	3X3/4 (1)	1	5	050	107.30
HT3-337C	3X1-1/2 (2)	1	5	050	206.78
HT3-416C	4X3/4 (1)	1	5	050	193.10
HT3-419C	4X1-1/2 (2)	1	0	050	218.52
HT3-524C	6X3/4 (1)	1	5	050	139.57
HT3-527C	6X1-1/2 (2)	1	0	050	231.93
HT3-574C	8X3/4 (1)	1	0	050	150.89
HT3-577C	8X1-1/2 (2)	1	0	050	281.13

CPVC Gray Hot-Tap Saddle

Viton® Saddle x Soc (Spigot) SS316 Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HT3S-248C	2X3/4 (1)	1	5	050	136.93
HT3S-251C	2X1-1/2 (2)	1	5	050	282.23
HT3S-288C	2-1/2X3/4 (1)	1	5	050	146.14
HT3S-291C	2-1/2X1-1/2 (2)	1	5	050	291.32
HT3S-334C	3X3/4 (1)	1	5	050	166.83
HT3S-337C	3X1-1/2 (2)	1	5	050	327.79
HT3S-416C	4X3/4 (1)	1	5	050	193.10
HT3S-419C	4X1-1/2 (2)	1	0	050	340.22
HT3S-524C	6X3/4 (1)	1	5	050	217.27
HT3S-527C	6X1-1/2 (2)	1	0	050	361.03
HT3S-574C	8X3/4 (1)	1	0	050	234.87

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC Gray Hot-Tap Saddle (continued)

Viton® Saddle x Soc (Spigot) SS316 Bolts

HT3S-577C	8X1-1/2 (2)	1	5	050	390.31
-----------	-------------	---	---	-----	--------

CPVC Gray Hot-Tap Saddle

EPDM with Stainless Steel Cutter & Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HTS2S-248C	2X3/4 (1)	1	5	050	386.89
HTS2S-251C	2X1-1/2 (2)	1	5	050	573.37
HTS2S-288C	2-1/2X3/4 (1)	1	5	050	413.97
HTS2S-291C	2-1/2X1-1/2 (2)	1	5	050	574.29
HTS2S-334C	3X3/4 (1)	1	5	050	394.84
HTS2S-337C	3X1-1/2 (2)	1	5	050	590.31
HTS2S-416C	4X3/4 (1)	1	5	050	420.41
HTS2S-419C	4X1-1/2 (2)	1	0	050	604.99
HTS2S-524C	6X3/4 (1)	1	5	050	490.06
HTS2S-527C	6X1-1/2 (2)	1	0	050	683.89
HTS2S-574C	8X3/4 (1)	1	0	050	679.82
HTS2S-577C	8X1-1/2 (2)	1	0	050	809.71

CPVC Gray Hot-Tap Saddle

Viton® with Stainless Steel Cutter & Bolts



2"- 4" 235, 6" 200, 8" 150 psi @ 73°F (23°C)

HTS3S-248C	2X3/4 (1)	1	5	050	392.95
HTS3S-251C	2X1-1/2 (2)	1	5	050	582.10
HTS3S-288C	2-1/2X3/4 (1)	1	5	050	420.55
HTS3S-291C	2-1/2X1-1/2 (2)	1	5	050	584.39
HTS3S-334C	3X3/4 (1)	1	5	050	361.61
HTS3S-337C	3X1-1/2 (2)	1	5	050	600.56
HTS3S-416C	4X3/4 (1)	1	5	050	428.34
HTS3S-419C	4X1-1/2 (2)	1	0	050	620.17
HTS3S-524C	6X3/4 (1)	1	5	050	497.72
HTS3S-527C	6X1-1/2 (2)	1	0	050	699.05
HTS3S-574C	8X3/4 (1)	1	0	050	694.86
HTS3S-577C	8X1-1/2 (2)	1	0	050	816.96



Schedule 80 CPVC Industrial Products & Accessories Tank Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Self Aligning Tank Adapter with Neoprene Gasket

Fipt

75 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172SA-010C	1	5	0	101	200.74
8172SA-020C	2	4	0	101	302.97
8172SA-030C	3	2	0	101	472.10



CPVC Self Aligning Tank Adapter with EPDM Gasket

Fipt

75 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172ESA-010C	1	5	0	101	211.04
8172ESA-020C	2	4	0	101	319.61
8172ESA-030C	3	2	0	101	497.11



CPVC Self Aligning Tank Adapter with Viton® Gasket

Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172VSA-010C	1	5	0	101	417.12
8172VSA-020C	2	4	0	101	631.38
8172VSA-030C	3	2	0	101	980.99



CPVC New Style Standard Tank Adapters with Neoprene Gaskets

Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8170-002C	1/4	25	150	101	45.91
8170-003C	3/8	25	150	101	45.91
8170-005C	1/2	25	0	101	45.91
8170-007C	3/4	25	0	101	54.62
8170-010C	1	25	0	101	61.30
8170-012C	1-1/4	20	0	101	78.19
8170-015C	1-1/2	20	0	101	85.14
8170-020C	2	15	0	101	120.19
8170-025C	2-1/2	4	0	101	176.65
8170-030C	3	4	0	101	210.27
8170-040C	4	2	0	101	350.43
8170-060C	6	1	0	101	963.69
8170-080C	8	1	0	101	2141.38



CPVC New Style Standard Tank Adapters with EPDM Gaskets

Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8170E-002C	1/4	25	150	101	52.22
8170E-003C	3/8	25	150	101	52.22
8170E-005C	1/2	25	0	101	52.22
8170E-007C	3/4	25	0	101	58.61
8170E-010C	1	25	0	101	68.06
8170E-012C	1-1/4	20	0	101	86.13
8170E-015C	1-1/2	20	0	101	90.36
8170E-020C	2	15	0	101	130.28
8170E-025C	2-1/2	4	0	101	185.06
8170E-030C	3	4	0	101	220.32
8170E-040C	4	2	0	101	365.73
8170E-060C	6	1	0	101	1003.85
8170E-080C	8	1	0	101	2203.98



CPVC New Style Standard Tank Adapters with Viton® Gaskets

Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8170V-002C	1/4	25	150	101	68.48
------------	-----	----	-----	-----	-------



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC New Style Standard Tank Adapters with Viton® Gaskets (continued)

Soc

8170V-003C	3/8	25	150	101	68.48
8170V-005C	1/2	25	0	101	68.48
8170V-007C	3/4	25	0	101	78.77
8170V-010C	1	25	0	101	91.18
8170V-012C	1-1/4	20	0	101	112.03
8170V-015C	1-1/2	20	0	101	116.79
8170V-020C	2	15	0	101	176.81
8170V-025C	2-1/2	4	0	101	254.50
8170V-030C	3	4	0	101	302.97
8170V-040C	4	2	0	101	671.07
8170V-060C	6	1	0	101	1686.51
8170V-080C	8	1	0	101	3945.18

CPVC New Style Standard Tank Adapters with Neoprene Gaskets

Soc x Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171-002C	1/4	25	150	101	45.91
8171-003C	3/8	25	200	101	45.91
8171-005C	1/2	25	0	101	45.91
8171-007C	3/4	25	0	101	54.62
8171-010C	1	25	0	101	61.30
8171-012C	1-1/4	20	0	101	78.19
8171-015C	1-1/2	20	0	101	85.14
8171-020C	2	15	0	101	120.19
8171-025C	2-1/2	4	0	101	176.65
8171-030C	3	4	0	101	210.27
8171-040C	4	2	0	101	350.43
8171-060C	6	1	0	101	963.69



CPVC New Style Standard Tank Adapters with EPDM Gaskets

Soc x Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171E-002C	1/4	25	150	101	52.22
8171E-003C	3/8	25	200	101	52.22
8171E-005C	1/2	25	0	101	52.22
8171E-007C	3/4	25	0	101	58.61
8171E-010C	1	25	0	101	68.06
8171E-012C	1-1/4	20	0	101	86.13
8171E-015C	1-1/2	20	0	101	90.36
8171E-020C	2	15	0	101	130.28
8171E-025C	2-1/2	4	0	101	185.06
8171E-030C	3	4	0	101	220.32
8171E-040C	4	2	0	101	365.73
8171E-060C	6	1	0	101	1003.84



CPVC New Style Standard Tank Adapters with Viton® Gaskets

Soc x Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171V-002C	1/4	25	150	101	68.48
8171V-003C	3/8	25	200	101	68.48
8171V-005C	1/2	25	0	101	68.48
8171V-007C	3/4	25	0	101	78.77
8171V-010C	1	25	0	101	91.18
8171V-012C	1-1/4	20	0	101	112.03
8171V-015C	1-1/2	20	0	101	116.79
8171V-020C	2	15	0	101	176.81
8171V-025C	2-1/2	4	0	101	254.53
8171V-030C	3	4	0	101	302.97
8171V-040C	4	2	0	101	671.07
8171V-060C	6	1	0	101	1686.51



Schedule 80 CPVC Industrial Products & Accessories
Tank Adapters



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

**CPVC New Style Special Reinforced (SR)
Threaded Tank Adapters with Neoprene
Gaskets**



Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171-002CSR	1/4	25	150	101	47.31
8171-003CSR	3/8	25	200	101	47.31
8171-005CSR	1/2	25	0	101	47.31
8171-007CSR	3/4	25	0	101	56.62
8171-010CSR	1	25	0	101	64.05
8171-012CSR	1-1/4	20	0	101	82.62
8171-015CSR	1-1/2	20	0	101	92.76
8171-020CSR	2	15	0	101	128.27
8171-025CSR	2-1/2	4	0	101	195.12
8171-030CSR	3	4	0	101	232.24
8171-040CSR	4	2	0	101	373.24
8171-060CSR	6	1	0	101	985.77

**CPVC New Style Special Reinforced (SR)
Threaded Tank Adapters with EPDM Gaskets**



Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171E-002CSR	1/4	25	150	101	53.62
8171E-003CSR	3/8	25	200	101	53.62
8171E-005CSR	1/2	25	0	101	53.62
8171E-007CSR	3/4	25	0	101	60.60
8171E-010CSR	1	25	0	101	72.46
8171E-012CSR	1-1/4	20	0	101	90.55
8171E-015CSR	1-1/2	20	0	101	97.97
8171E-020CSR	2	15	0	101	138.50
8171E-025CSR	2-1/2	4	0	101	203.53
8171E-030CSR	3	4	0	101	242.30
8171E-040CSR	4	2	0	101	388.48
8171E-060CSR	6	2	0	101	1025.93

**CPVC New Style Special Reinforced (SR)
Threaded Tank Adapters with Viton® Gaskets**



Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171V-002CSR	1/4	25	150	101	69.86
8171V-003CSR	3/8	25	200	101	69.86
8171V-005CSR	1/2	25	0	101	69.86
8171V-007CSR	3/4	25	0	101	80.76
8171V-010CSR	1	25	0	101	93.95
8171V-012CSR	1-1/4	20	0	101	116.46
8171V-015CSR	1-1/2	20	0	101	124.36
8171V-020CSR	2	15	0	101	185.18
8171V-025CSR	2-1/2	4	0	101	272.90
8171V-030CSR	3	4	0	101	324.95
8171V-040CSR	4	2	0	101	693.84
8171V-060CSR	6	2	0	101	1713.06

**CPVC New Style Standard Tank Adapters with
Neoprene Gaskets**



Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172-002C	1/4	25	150	101	61.30
8172-003C	3/8	25	200	101	61.30
8172-005C	1/2	25	0	101	61.30
8172-007C	3/4	25	0	101	70.78
8172-010C	1	25	0	101	77.43
8172-012C	1-1/4	20	0	101	109.32
8172-015C	1-1/2	20	0	101	119.49
8172-020C	2	15	0	101	148.93
8172-025C	2-1/2	4	0	101	209.59

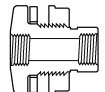
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

**CPVC New Style Standard Tank Adapters with
Neoprene Gaskets (continued)**

Fipt

8172-030C	3	4	0	101	249.50
8172-040C	4	2	0	101	394.21
8172-060C	6	1	0	101	1095.10

**CPVC New Style Standard Tank Adapters with
EPDM Gaskets**

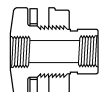


Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172E-002C	1/4	25	150	101	63.72
8172E-003C	3/8	25	200	101	63.72
8172E-005C	1/2	25	0	101	63.72
8172E-007C	3/4	25	0	101	75.13
8172E-010C	1	25	0	101	80.95
8172E-012C	1-1/4	20	0	101	113.72
8172E-015C	1-1/2	20	0	101	129.78
8172E-020C	2	15	0	101	160.40
8172E-025C	2-1/2	4	0	101	235.81
8172E-030C	3	4	0	101	280.76
8172E-040C	4	2	0	101	467.43
8172E-060C	6	1	0	101	1111.63

**CPVC New Style Standard Tank Adapters with
Viton® Gaskets**

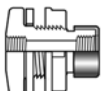


Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172V-002C	1/4	25	150	101	98.60
8172V-003C	3/8	25	200	101	98.60
8172V-005C	1/2	25	0	101	98.60
8172V-007C	3/4	25	0	101	111.14
8172V-010C	1	25	0	101	127.89
8172V-012C	1-1/4	20	0	101	156.88
8172V-015C	1-1/2	20	0	101	162.33
8172V-020C	2	15	0	101	252.87
8172V-025C	2-1/2	4	0	101	358.84
8172V-030C	3	4	0	101	427.16
8172V-040C	4	2	0	101	1123.33
8172V-060C	6	1	0	101	2058.91

**CPVC New Style Special Reinforced (SR)
Threaded Tank Adapters with Neoprene
Gaskets**

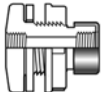


Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172-002CSR	1/4	25	150	101	62.67
8172-003CSR	3/8	25	200	101	62.67
8172-005CSR	1/2	25	0	101	62.67
8172-007CSR	3/4	25	0	101	72.78
8172-010CSR	1	25	0	101	80.19
8172-012CSR	1-1/4	20	0	101	113.76
8172-015CSR	1-1/2	20	0	101	127.09
8172-020CSR	2	15	0	101	157.13
8172-025CSR	2-1/2	4	0	101	228.05
8172-030CSR	3	4	0	101	271.49
8172-040CSR	4	2	0	101	416.98
8172-060CSR	6	2	0	101	1117.17

**CPVC New Style Special Reinforced (SR)
Threaded Tank Adapters with EPDM Gaskets**



Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172E-002CSR	1/4	25	150	101	65.12
8172E-003CSR	3/8	25	200	101	65.12
8172E-005CSR	1/2	25	0	101	65.12



Schedule 80 CPVC Industrial Products & Accessories Tank Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC New Style Special Reinforced (SR) Threaded Tank Adapters with EPDM Gaskets (continued)

Fipt x SR Fipt - Stainless Steel Collar

8172E-007CSR	3/4	25	0	101	77.11
8172E-010CSR	1	25	0	101	83.71
8172E-012CSR	1-1/4	20	0	101	118.16
8172E-015CSR	1-1/2	20	0	101	137.37
8172E-020CSR	2	15	0	101	168.61
8172E-025CSR	2-1/2	4	0	101	254.35
8172E-030CSR	3	4	0	101	302.79
8172E-040CSR	4	2	0	101	490.19
8172E-060CSR	6	2	0	101	1133.70

CPVC New Style Special Reinforced (SR) Threaded Tank Adapters with Viton® Gaskets

Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172V-002CSR	1/4	25	150	101	100.00
8172V-003CSR	3/8	25	200	101	100.00
8172V-005CSR	1/2	25	0	101	100.00
8172V-007CSR	3/4	25	0	101	113.13
8172V-010CSR	1	25	0	101	130.65
8172V-012CSR	1-1/4	20	0	101	161.31
8172V-015CSR	1-1/2	20	0	101	169.89
8172V-020CSR	2	15	0	101	261.10
8172V-025CSR	2-1/2	4	0	101	377.28
8172V-030CSR	3	4	0	101	449.15
8172V-040CSR	4	2	0	101	1146.09
8172V-060CSR	6	2	0	101	2081.00

Tank Adapter with Neoprene Gasket (Old Style)

Soc x Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

871-005C	1/2	25	0	101	45.91
871-007C	3/4	25	0	101	54.62
871-010C	1	25	0	101	61.30
871-012C	1-1/4	20	0	101	78.19
871-015C	1-1/2	20	0	101	85.14
871-020C	2	15	0	101	120.19
871-030C	3	4	0	101	210.27
871-040C	4	2	0	101	350.43

Tank Adapter with Neoprene Gasket (Old Style)

Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

872-005C	1/2	25	0	101	61.30
872-007C	3/4	25	0	101	70.78
872-010C	1	25	0	101	77.43
872-012C	1-1/4	20	0	101	109.32
872-015C	1-1/2	20	0	101	119.49
872-020C	2	15	0	101	148.93
872-030C	3	4	0	101	249.50
872-040C	4	2	0	101	394.21

Neoprene Tank Adapter Gasket Only (New Style)

3N-002	1/4	100	0	901	2.57
3N-003	3/8	50	0	901	2.57
3N-005	1/2	10	0	901	2.57
3N-007	3/4	10	0	901	2.76
3N-010	1	10	0	901	2.94
3N-012	1-1/4	10	0	901	4.06

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Neoprene Tank Adapter Gasket Only (New Style) (continued)

3N-015	1-1/2	10	0	901	4.76
3N-020	2	10	0	901	6.23
3N-025	2-1/2	10	0	901	6.50
3N-030	3	10	0	901	6.78
3N-040	4	10	0	901	18.76
2N-060	6	10	0	901	23.44
3N-080	8	10	0	901	107.48

EPDM Tank Adapter Gasket Only (New Style)

3E-002	1/4	10	0	901	2.99
3E-003	3/8	10	0	901	2.99
3E-005	1/2	10	0	901	2.99
3E-007	3/4	10	0	901	3.09
3E-010	1	10	0	901	5.36
3E-012	1-1/4	10	0	901	7.85
3E-015	1-1/2	10	0	901	8.06
3E-020	2	10	0	901	9.22
3E-025	2-1/2	10	0	901	13.07
3E-030	3	10	0	901	14.05
3E-040	4	10	0	901	21.17
2E-060	6	10	0	901	38.21
3E-080	8	10	0	901	138.69

Viton® Tank Adapter Gasket Only (New Style)

3V-002	1/4	10	0	901	10.95
3V-003	3/8	10	0	901	12.91
3V-005	1/2	10	0	901	19.27
3V-007	3/4	10	0	901	23.86
3V-010	1	10	0	901	32.62
3V-012	1-1/4	10	0	901	51.88
3V-015	1-1/2	10	0	901	56.04
3V-020	2	10	0	901	89.76
3V-025	2-1/2	10	0	901	99.16
3V-030	3	10	0	901	103.32
3V-040	4	10	0	901	233.79
2V-060	6	10	0	901	585.23
3V-080	8	10	0	901	981.52

Neoprene Tank Adapter Gasket Only (Old Style)

2N-005	1/2	10	0	901	2.57
2N-007	3/4	10	0	901	2.76
2N-010	1	10	0	901	2.94
2N-015	1-1/4 OR 1-1/2	10	0	901	4.76
2N-020	2	10	0	901	6.23
2N-030	3	10	0	901	6.78
2N-040	4	10	0	901	18.76

EPDM Tank Adapter Gasket Only (Old Style)

2E-005	1/2	10	0	901	2.99
2E-007	3/4	10	0	901	3.09
2E-010	1	10	0	901	5.36
2E-015	1-1/4 OR 1-1/2	10	0	901	8.06
2E-020	2	10	0	901	9.22
2E-030	3	10	0	901	14.05
2E-040	4	10	0	901	21.17

Schedule 80 CPVC Industrial Products & Accessories
Tank Adapters & Expansion Joints



Tank Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Wrench Sets (New Style)

Body Wrench & Nut Wrench



TAW-002	1/4	1	25	299	20.80
TAW-003	3/8	1	25	299	20.80
TAW-005	1/2	1	25	299	20.80
TAW-007	3/4	1	25	299	21.20
TAW-010	1	1	25	299	22.05
TAW-012	1-1/4	1	20	299	24.87
TAW-015	1-1/2	1	20	299	26.98
TAW-020	2	1	10	299	30.73
TAW-025	2-1/2	1	10	299	34.00
TAW-030	3	1	10	299	37.47
TAW-040	4	1	10	299	40.15

Individual Body Wrench (New Style)



TAW1-002	1/4	500	0	299	11.67
TAW1-003	3/8	400	0	299	11.67
TAW1-005	1/2	250	0	299	11.67
TAW1-007	3/4	220	0	299	11.89
TAW1-010	1	200	0	299	12.38
TAW1-012	1-1/4	300	0	299	14.02

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Individual Body Wrench (New Style) (continued)

TAW1-015	1-1/2	150	0	299	15.10
TAW1-020	2	100	0	299	16.39
TAW1-025	2-1/2	80	0	299	17.13
TAW1-030	3	74	0	299	21.48
TAW1-040	4	35	0	299	22.10

Individual Nut Wrench (New Style)



TAW2-002	1/4	300	0	299	11.67
TAW2-003	3/8	250	0	299	11.67
TAW2-005	1/2	200	0	299	11.67
TAW2-007	3/4	160	0	299	11.89
TAW2-010	1	110	0	299	12.38
TAW2-012	1-1/4	200	0	299	14.02
TAW2-015	1-1/2	120	0	299	15.10
TAW2-020	2	100	0	299	16.39
TAW2-025	2-1/2	50	0	299	17.13
TAW2-030	3	40	0	299	21.48
TAW2-040	4	35	0	299	22.10

Expansion Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Fabricated Expansion Joints

6" Travel with Viton® O-rings



1/2" - 2" 235 psi @ 73°F (23°C)
 2-1/2" - 12" 150 psi @ 73°F (23°C)

826-005X6C	1/2	10	0	085	367.70
826-007X6C	3/4	6	0	085	402.36
826-010X6C	1	5	0	085	434.91
826-012X6C	1-1/4	4	0	085	456.80
826-015X6C	1-1/2	4	0	085	497.86
826-020X6C	2	2	0	085	630.85
826-025X6C	2-1/2	1	0	085	748.60
826-030X6C	3	1	0	085	869.66
826-040X6C	4	1	0	085	1282.63
826-060X6C	6	1	0	085	1378.79
826-080X6C	8	1	0	085	2615.53
826-100X6C	10	1	0	085	3339.03
826-120X6C	12	1	0	085	4429.50

EPDM O-rings available on special order. Add an "E" preceding the dash (-) separator, e.g. 826E-005X6C

CPVC Fabricated Expansion Joints

12" Travel with Viton® O-rings



1/2" - 2" 235 psi @ 73°F (23°C)
 2-1/2" - 12" 150 psi @ 73°F (23°C)

826-005X12C	1/2	10	0	085	374.49
826-007X12C	3/4	6	0	085	429.46
826-010X12C	1	5	0	085	458.13
826-012X12C	1-1/4	4	0	085	726.24
826-015X12C	1-1/2	4	0	085	575.05
826-020X12C	2	2	0	085	734.02
826-025X12C	2-1/2	1	0	085	1111.23
826-030X12C	3	1	0	085	893.04
826-040X12C	4	1	0	085	1479.32
826-060X12C	6	1	0	085	1629.67

Made in the U.S.A.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Fabricated Expansion Joints (continued)

12" Travel with Viton® O-rings

826-080X12C	8	1	0	085	3120.15
826-100X12C	10	1	0	085	3655.37

EPDM O-rings available on special order. Add an "E" preceding the dash (-) separator, e.g. 826E-005X12C

CPVC Elastomer Expansion Joint

with EPDM Bellows Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ22-007C	3/4	10	0	085	195.59
EJ22-010C	1	10	0	085	223.17
EJ22-012C	1-1/4	15	0	085	243.85
EJ22-015C	1-1/2	10	0	085	298.73
EJ22-020C	2	8	0	085	372.84
EJ22-025C	2-1/2	4	0	085	544.83
EJ22-030C	3	2	0	085	740.05

CPVC Elastomer Expansion Joint

with EPDM Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007CSR	3/4	10	0	085	197.81
EJ21-010CSR	1	10	0	085	227.48
EJ21-012CSR	1-1/4	15	0	085	251.37
EJ21-015CSR	1-1/2	10	0	085	320.41
EJ21-020CSR	2	8	0	085	423.52
EJ21-025CSR	2-1/2	4	0	085	588.17
EJ21-030CSR	3	2	0	085	783.37



Schedule 80 CPVC Industrial Products & Accessories

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange One Piece Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

851-005C	1/2	25	0	090	25.53
851-007C	3/4	25	0	090	26.12
851-010C	1	15	0	090	28.52
851-012C	1-1/4	15	0	090	34.81
851-015C	1-1/2	20	0	090	38.64
851-020C	2	10	0	090	46.77
851-025C	2-1/2	10	0	090	96.91
851-030C	3	10	0	090	101.34
851-040C	4	5	0	090	136.91
851-050C	5	5	0	090	250.91
851-060C	6	5	0	090	233.23
851-080C	8	2	0	090	532.81

Flange One Piece Fipt

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

852-005C	1/2	25	0	090	35.69
852-007C	3/4	25	0	090	43.27
852-010C	1	15	0	090	47.22
852-012C	1-1/4	15	0	090	65.54
852-015C	1-1/2	20	0	090	69.38
852-020C	2	10	0	090	70.65
852-025C	2-1/2	10	0	090	114.68
852-030C	3	10	0	090	113.79
852-040C	4	5	0	090	176.90

Blind Flange

1/2" - 12" Molded - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
14" - 24" Fabricated - 50 psi Maximum Internal Pressure Rating @ 73°F (23°C)

853-005C	1/2	25	100	090	38.27
853-007C	3/4	25	0	090	41.49
853-010C	1	20	0	090	51.72
853-012C	1-1/4	20	0	090	58.52
853-015C	1-1/2	15	0	090	81.90
853-020C	2	10	0	090	86.04
853-025C	2-1/2	10	0	090	130.16
853-030C	3	10	0	090	161.81
853-040C	4	8	0	090	219.18
853-060C	6	5	0	090	367.66
853-080C	8	5	0	090	681.96
853-100C	10	3	0	091	1229.64
853-120C	12	2	0	091	2065.79
853-140CF	14	1	0	097	2400.73
853-160CF	16	1	0	097	3722.30
853-180CF	18	1	0	097	4588.64
853-200CF	20	1	0	097	4916.88
853-240CF	24	1	0	097	5982.82

Flange Van Stone Style with Plastic Ring Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

854-005C	1/2	25	0	090	25.70
854-007C	3/4	25	0	090	26.28
854-010C	1	15	0	090	28.70
854-012C	1-1/4	15	0	090	35.04
854-015C	1-1/2	20	0	090	38.90

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with Plastic Ring (continued) Soc

854-020C	2	10	0	090	47.11
854-025C	2-1/2	10	0	090	97.59
854-030C	3	10	0	090	102.18
854-040C	4	5	0	090	137.99
854-050C	5	5	0	090	235.13
854-060C	6	5	0	090	235.13
854-080C	8	2	0	090	707.48
854-100C	10	2	0	091	1703.17
854-120C	12	2	0	091	2555.67
854-140C	14	1	0	091	2879.81
854-160C	16	1	0	091	3599.78
854-180C	18	1	0	091	5843.81

Flange Van Stone Style with Plastic Ring Spig

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

856-005C	1/2	25	0	090	29.72
856-007C	3/4	25	0	090	31.90
856-010C	1	15	0	090	36.22
856-012C	1-1/4	15	0	090	44.82
856-015C	1-1/2	15	0	090	49.56
856-020C	2	10	0	090	69.37
856-025C	2-1/2	10	0	090	108.65
856-030C	3	10	0	090	118.98
856-040C	4	5	0	090	122.44
856-060C	6	4	0	090	267.33
856-080C	8	2	0	090	544.91
856-100C	10	2	0	091	1829.76
856-120C	12	2	0	091	2748.57
856-140CF	14	1	0	097	2924.49
856-160CF	16	1	0	097	3622.66

Flange Van Stone Style with Plastic Solid Ring Soc

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

S854-030C	3	10	0	090	145.95
S854-040C	4	5	0	090	197.17
S854-060C	6	4	0	090	335.89
S854-080C	8	2	0	090	1010.67
S854-100C	10	2	0	091	2433.11
S854-120C	12	2	0	091	3650.95

Flange Van Stone Style Class 300 Bolt Pattern Fabricated with Plastic Ring Soc

Molded with fabricated ring - 150 psi = maximum internal pressure rating @ 73°F (23°C)

854-005CL300C	1/2	1	25	097	195.55
854-007CL300C	3/4	1	25	097	261.99
854-010CL300C	1	1	15	097	319.46
854-012CL300C	1-1/4	1	15	097	339.39
854-015CL300C	1-1/2	1	20	097	352.40
854-020CL300C	2	1	10	097	391.46
854-025CL300C	2-1/2	1	10	097	465.81
854-030CL300C	3	1	10	097	506.23
854-040CL300C	4	1	5	097	798.35
854-060CL300C	6	1	4	097	1507.56
854-080CL300C	8	1	3	097	1734.73
854-100CL300C	10	1	2	097	1961.37
854-120CL300C	12	1	0	097	2450.34
854-140CL300C	14	1	0	097	2721.45

Schedule 80 CPVC Industrial Products & Accessories
Pipe Flanges & Van Stone Style Flange Replacement Split Rings



Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style Class 300 Bolt Pattern

Fabricated with Plastic Ring (continued)

Soc

854-160CL300C	16	1	0	097	2863.52
---------------	----	---	---	-----	---------

Flange Van Stone Style with Plastic Ring

Fipt



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

855-005C	1/2	25	0	090	35.93
855-007C	3/4	25	0	090	43.55
855-010C	1	15	0	090	47.55
855-012C	1-1/4	15	0	090	65.44
855-015C	1-1/2	20	0	090	69.87
855-020C	2	10	0	090	71.18
855-025C	2-1/2	10	0	090	114.60
855-030C	3	10	0	090	114.60
855-040C	4	5	0	090	178.16
855-060C ¹	6	1	0	090	301.61
855-080C ¹	8	1	2	090	463.57
855-080CF	8	1	2	097	412.05

¹ - Flange assembled with molded Female Adapter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Van Stone Style with Plastic Ring ASTM

Soc x Multi-bolt Pattern Ring



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M854-020C	2	10	0	090	46.20
M854-060C	6	4	0	090	235.13
M854-080C	8	2	0	090	707.48

Special Reinforced Flange One Piece

Threaded

SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

852-005CSR	1/2	25	0	096	19.62
852-007CSR	3/4	25	0	096	23.80
852-010CSR	1	15	0	096	26.04
852-012CSR	1-1/4	15	0	096	36.03
852-015CSR	1-1/2	15	0	096	38.20
852-020CSR	2	10	0	096	39.13
852-025CSR	2-1/2	10	0	090	62.96
852-030CSR	3	10	0	096	62.47
852-040CSR	4	5	0	096	117.06

Van Stone Style Flange Replacement Split Rings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Application & Use of Van Stone Style Flange Replacement Split Rings



Designed for easy Van Stone style flange ring replacement in the event of system modification, repair, or improper assembly without having to remove existing flange hub. Split rings are made as a direct replacement of existing one-piece rings used on Spears® brand only of Van Stone style flanges with ANSI Class 150 bolt pattern plastic rings. Remove old ring to be replaced then simply place the split ring sections around hub and install flange bolts (not included) through special designed section overlap to hold in position. Install appropriate user supplied bolts, washers and gasket (see Flange Gasket and Bolt Hardware Kits in this catalog); torque to specifications according to normal flange assembly. Split rings are a set of either 2-pieces or 4-pieces (illustrated) sections depending on size, in regular PVC, Glass Filled PVC, or CPVC for flange type and sizes listed.

CPVC Flange Replacement Split Rings

For Spears® Flanges with CPVC Rings



854-005-1SC	1/2	10	0	090	74.62
854-007-1SC	3/4	10	0	090	79.21
854-010-1SC	1	10	0	090	88.59
854-012-1SC	1-1/4	10	0	090	90.31
854-015-1SC	1-1/2	20	0	090	92.53
854-020-1SC	2	40	0	090	122.81
854-025-1SC	2-1/2	10	0	090	142.06
854-030-1SC	3	10	0	090	157.50
854-040-1SC	4	10	0	090	166.80
854-050-1SC	5	5	0	090	228.68
854-060-1SC	6	5	0	090	270.60
854-080-1SC	8	4	0	090	309.16
854-100-1SC	10	4	0	091	390.27
854-120-1SC	12	2	0	091	483.71
854-140-1SC	14	1	0	091	662.55

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Flange Replacement Split Rings (continued)

For Spears® Flanges with CPVC Rings

854-160-1SC	16	1	0	091	823.07
854-180-1SC	18	1	0	091	893.95
854-200-1SC	20	1	0	097	5699.04
854-240-1SC	24	1	0	097	5813.39

Fits 854-xxxC Socket, 855-xxxC Threaded, and 856-xxxC Spigot hub configurations



Schedule 80 CPVC Industrial Products & Accessories Flange Insulating Joints & Flange Bolt Kits

Flange Insulating Joints

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Insulating Joints - Class 150 Bolt Pattern

PP Flange Spacer with PVC Bolt Isolators

Size = Nominal Flange Diameter x Thickness (in.)

For Dielectric Insulation Between Dissimilar Metal Flanges

300 psi Maximum Internal Pressure Rating @ 73°F (23°C)

IJ-030-010P	3X1	1	0	016	437.66
IJ-040-010P	4X1	1	0	016	489.00
IJ-060-010P	6X1	1	0	016	581.23
IJ-080-010P	8X1	1	0	016	674.56
IJ-100-010P	10X1	1	0	016	1371.04
IJ-120-010P	12X1	1	0	016	1484.97
IJ-140-010P	14X1	1	0	016	1924.19
IJ-160-010P	16X1	1	0	016	2445.09
IJ-180-010P	18X1	1	0	016	3272.97
IJ-200-010P	20X1	1	0	016	4225.35
IJ-240-010P	24X1	1	0	016	5868.24



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flange Insulating Joints - Class 300 Bolt Pattern

PP Flange Spacer with PVC Bolt Isolators

Size = Nominal Flange Diameter x Thickness (in.)

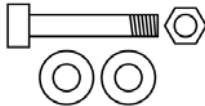
For Dielectric Insulation Between Dissimilar Metal Flanges

300 psi Maximum Internal Pressure Rating @ 73°F (23°C)

IJ300-030-010P	3X1	1	0	016	644.74
IJ300-040-010P	4X1	1	0	016	717.09
IJ300-060-010P	6X1	1	0	016	1098.37
IJ300-080-010P	8X1	1	0	016	1370.26
IJ300-100-010P	10X1	1	0	016	2273.20
IJ300-120-010P	12X1	1	0	016	2987.23
IJ300-140-010P	14X1	1	0	016	3763.17
IJ300-160-010P	16X1	1	0	016	4012.77
IJ300-180-010P	18X1	1	0	016	5015.00
IJ300-200-010P	20X1	1	0	016	5810.30
IJ300-240-010P	24X1	1	0	016	7134.02



Flange Bolt Kits Bolt Kit Selection Guide



Order Gaskets & Bolt Kits Separately

- Kit Contains All Bolts, Nuts, & Flat Washers for Specified Flange Size
- For Connecting Two (2) Mating Spears® Flanges
- Pre-coated, Anti-seize Lubricated Bolts
- Available in Zinc Coated Steel, Type 304 Stainless Steel or Type 316 Stainless Steel

Flange Size	Bolts ¹ Per Kit	Diameter (in.-TPI)	Length (in.)	Hardware Kit Part Number		
				Zinc	316 SS	304 SS
1/2 & 3/4	4	1/2-13	2	HK-005	HK1-005	HK2-005
1 & 1-1/4	4	1/2-13	2-1/4	HK-010	HK1-010	HK2-010
1-1/2	4	1/2-13	2-1/2	HK-015	HK1-015	HK2-015
2	4	5/8-11	3	HK-020	HK1-020	HK2-020
2-1/2	4	5/8-11	3-1/4	HK-025	HK1-025	HK2-025
3	4	5/8-11	3-1/2	HK-030	HK1-030	HK2-030
4	8	5/8-11	3-1/2	HK-040	HK1-040	HK2-040
5 & 6	8	3/4-10	4	HK-060	HK1-060	HK2-060
8	8	3/4-10	4-1/2	HK-080	HK1-080	HK2-080
10 & 12	12	7/8-9	5	HK-120	HK1-120	HK2-120

1 - Each Bolt includes Nut & two (2) Flat Washers

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Zinc Plated Steel Flange Bolt Hardware Kits

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK-005	1/2	1	10	017	9.53
HK-010	3/4 & 1	1	10	017	11.91
HK-015	1-1/4 & 1-1/2	1	10	017	17.91
HK-020	2	1	10	017	23.97
HK-025	2-1/2	1	10	017	28.74
HK-030	3	1	10	017	33.07
HK-040	4	1	5	017	68.51
HK-060	5 & 6	1	5	017	76.20
HK-080	8	1	0	017	89.30
HK-120	10 & 12	1	0	017	120.82



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Type 316 Stainless Steel Flange Bolt Hardware Kits (continued)

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK1-015	1-1/4 & 1-1/2	1	10	017	45.39
HK1-020	2	1	10	017	54.59
HK1-025	2-1/2	1	10	017	58.51
HK1-030	3	1	10	017	77.20
HK1-040	4	1	5	017	154.81
HK1-060	5 & 6	1	5	017	201.91
HK1-080	8	1	0	017	253.36
HK1-120	10 & 12	1	0	017	515.45

Type 304 Stainless Steel Flange Bolt Hardware Kits

For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

HK2-005	1/2	1	10	017	25.02
HK2-010	3/4 & 1	1	10	017	35.69
HK2-015	1-1/4 & 1-1/2	1	10	017	42.05
HK2-020	2	1	10	017	49.46
HK2-025	2-1/2	1	10	017	52.44



Schedule 80 CPVC Industrial Products & Accessories
Flange Bolt Kits & Full-Faced Flange Gaskets

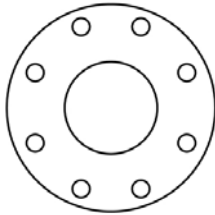


Flange Bolt Kits

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Type 304 Stainless Steel Flange Bolt Hardware Kits (continued) For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers					
HK2-030	3	1	10	017	65.12
HK2-040	4	1	5	017	130.24
HK2-060	5 & 6	1	5	017	137.28

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Type 304 Stainless Steel Flange Bolt Hardware Kits (continued) For Connection of 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers					
HK2-080	8	1	0	017	180.52
HK2-120	10 & 12	1	0	017	319.94

Full-Faced Flange Gaskets
Gasket Selection Guide



Order Gaskets & Bolt Kits Separately

- 1/8" Full-Face design with ANSI Class 150 Bolt Patterns
- Pressure rated to 150 psi @ 73°F
- Available in Buna-N, EPDM, or Viton® (FKM)

Flange Size	Bolt Holes	Gasket Part Number		
		Buna-N	EPDM	FKM
1/2	4	GK1-005	GK2-005	GK3-005
3/4	4	GK1-007	GK2-007	GK3-007
1	4	GK1-010	GK2-010	GK3-010
1-1/4	4	GK1-012	GK2-012	GK3-012
1-1/2	4	GK1-015	GK2-015	GK3-015
2	4	GK1-020	GK2-020	GK3-020
2-1/2	4	GK1-025	GK2-025	GK3-025
3	4	GK1-030	GK2-030	GK3-030
4	8	GK1-040	GK2-040	GK3-040
5	8	GK1-050	GK2-050	GK3-050
6	8	GK1-060	GK2-060	GK3-060
8	8	GK1-080	GK2-080	GK3-080
10	12	GK1-100	GK2-100	GK3-100
12	12	GK1-120	GK2-120	GK3-120

Buna-N Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK1-005	1/2	1	25	017	3.06
GK1-007	3/4	1	25	017	3.51
GK1-010	1	1	25	017	3.61
GK1-012	1-1/4	1	25	017	3.70
GK1-015	1-1/2	1	25	017	3.97
GK1-020	2	1	25	017	4.44
GK1-025	2-1/2	1	25	017	4.88
GK1-030	3	1	25	017	7.51
GK1-040	4	1	25	017	8.40
GK1-050	5	1	25	017	9.96
GK1-060	6	1	25	017	10.23
GK1-080	8	1	25	017	13.49
GK1-100	10	1	25	017	17.12
GK1-120	12	1	25	017	23.09

Viton® (FKM) Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK3-005	1/2	1	25	017	14.49
GK3-007	3/4	1	25	017	17.20
GK3-010	1	1	25	017	19.01
GK3-012	1-1/4	1	5	017	21.46
GK3-015	1-1/2	1	25	017	27.07
GK3-020	2	1	25	017	37.84
GK3-025	2-1/2	1	25	017	50.61
GK3-030	3	1	25	017	113.09
GK3-040	4	1	25	017	130.55
GK3-050	5	1	25	017	152.19
GK3-060	6	1	25	017	172.66
GK3-080	8	1	25	017	245.99
GK3-100	10	1	25	017	327.20
GK3-120	12	1	25	017	461.02

EPDM Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK2-005	1/2	1	25	017	4.06
GK2-007	3/4	1	25	017	4.32
GK2-010	1	1	25	017	4.51
GK2-012	1-1/4	1	25	017	4.74
GK2-015	1-1/2	1	25	017	5.09
GK2-020	2	1	25	017	6.21
GK2-025	2-1/2	1	25	017	7.46
GK2-030	3	1	25	017	10.96
GK2-040	4	1	25	017	12.48
GK2-050	5	1	25	017	15.61
GK2-060	6	1	25	017	16.38
GK2-080	8	1	25	017	21.82
GK2-100	10	1	25	017	28.43
GK2-120	12	1	25	017	39.12



Schedule 80 CPVC Industrial Products & Accessories Gauge Guards



Connections use Spears® Patented Special Reinforced (SR)
Female Threads on Pressure Inlet (1/4" or 1/2")

Pressure Rating
235 psi @ 73°F
16 BAR @ 22°C
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Full Vacuum Service

Gauge Guards are pre-filled with glycerin-water
on units with Factory Installed Gauges.
"No Gauge" units are to be filled by end user.

CPVC GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
No Gauge	G0004-002C 128.23	G0004-005C 128.23	1	18	625
0-30 in-Hg	G30V4-002C 216.49	G30V4-005C 216.49	1	18	625
0-15 psi	G0154-002C 204.66	G0154-005C 204.66	1	18	625
0-30 psi	G0304-002C 204.66	G0304-005C 204.66	1	18	625
0-60 psi	G0604-002C 204.66	G0604-005C 204.66	1	18	625
0-100 psi	G1004-002C 204.66	G1004-005C 204.66	1	18	625
0-160 psi	G1604-002C 204.66	G1604-005C 204.66	1	18	625
0-200 psi	G2004-002C 204.66	G2004-005C 204.66	1	18	625
0-300 psi	G3004-002C 204.66	G3004-005C 204.66	1	18	625

PTFE Diaphragm

No Gauge	G0003-002C 128.23	G0003-005C 128.23	1	18	625
0-30 in-Hg	G30V3-002C 216.49	G30V3-005C 216.49	1	18	625
0-15 psi	G0153-002C 204.66	G0153-005C 204.66	1	18	625
0-30 psi	G0303-002C 204.66	G0303-005C 204.66	1	18	625
0-60 psi	G0603-002C 204.66	G0603-005C 204.66	1	18	625
0-100 psi	G1003-002C 204.66	G1003-005C 204.66	1	18	625
0-160 psi	G1603-002C 204.66	G1603-005C 204.66	1	18	625
0-200 psi	G2003-002C 204.66	G2003-005C 204.66	1	18	625
0-300 psi	G3003-002C 204.66	G3003-005C 204.66	1	18	625

EPDM Diaphragm

No Gauge	G0002-002C 123.12	G0002-005C 123.12	1	18	625
0-30 in-Hg	G30V2-002C 207.80	G30V2-005C 207.80	1	18	625
0-15 psi	G0152-002C 196.56	G0152-005C 196.56	1	18	625
0-30 psi	G0302-002C 196.56	G0302-005C 196.56	1	18	625
0-60 psi	G0602-002C 196.56	G0602-005C 196.56	1	18	625
0-100 psi	G1002-002C 196.56	G1002-005C 196.56	1	18	625
0-160 psi	G1602-002C 196.56	G1602-005C 196.56	1	18	625
0-200 psi	G2002-002C 196.56	G2002-005C 196.56	1	18	625

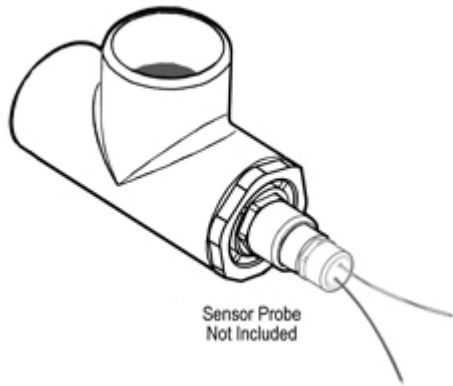
CPVC GAUGE GUARDS (continued)

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
0-300 psi	G3002-002C 196.56	G3002-005C 196.56	1	18	625

EPDM Diaphragm

0-300 psi	G3002-002C 196.56	G3002-005C 196.56	1	18	625
------------------	-----------------------------	-----------------------------	---	----	-----

Schedule 80 CPVC Industrial Products & Accessories
Gauge & Instrument Fittings Schedule 80 Specialty Fittings for Sensor Probes



Use with a wide variety of commercial sensor probes including pressure, temperature, pH, ORP (REDOX), Conductivity, Dissolved Oxygen and other specialty electrodes that are used in industrial, municipal water, wastewater treatment, solid landfills, chemical manufacturing, electroplating, boilers and cooling towers, pulp and paper, DI water skids, pool & spa and other OEM applications. Features Spears® patented Special Reinforced (SR) female plastic thread connection that eliminates splitting from inadvertent over tightening.

- Centers Probe in Fluid Stream
- Suitable for Horizontal or Vertical Installations
- Available in 1/2" Through 8" Tee Configuration with 1/2", 3/4" or 1" NPT Connection

CPVC Instrument Probe Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Special Reinforced

803-005CSR	1/2	25	0	096	10.39
803-095CSR	3/4X1/2X3/4	15	0	096	15.39
803-007CSR	3/4	15	0	096	16.49
803-113CSR	1X1/4X1	15	0	096	46.65
803-122CSR	1X1/2X1	15	0	096	17.69
803-126CSR	1X3/4X1	15	0	096	24.77
803-010CSR	1	15	0	096	19.32
803-142CSR	1-1/4X1/2X1-1/4	10	0	096	30.56
803-149CSR	1-1/4X3/4X1-1/4	10	0	096	30.90
803-159CSR	1-1/4X1X1-1/4	10	0	096	33.91
803-177CSR	1-1/2X1/2X1-1/2	10	0	096	34.85
803-188CSR	1-1/2X3/4X1-1/2	10	0	096	37.33
803-197CSR	1-1/2X1X1-1/2	10	0	096	37.04
803-221CSR	2X1/2X2	10	0	096	46.32
803-227CSR	2X3/4X2	10	0	096	52.05
803-233CSR	2X1X2	10	0	096	52.62
803-333CSR	3X1/2X3	5	0	096	74.33
803-334CSR	3X3/4X3	5	0	096	77.62
803-335CSR	3X1X3	5	0	096	78.73
803-415CSR	4X1/2X4	4	0	096	113.09
803-416CSR	4X3/4X4	4	0	096	120.45
803-417CSR	4X1X4	4	0	096	122.65
803-523CSR	6X1/2X6	2	0	096	237.88
803-524CSR	6X3/4X6	2	0	096	245.22
803-525CSR	6X1X6	2	0	096	252.35
803-573CSR	8X1/2X8	1	0	096	501.20
803-574CSR	8X3/4X8	1	0	096	507.38
803-575CSR	8X1X8	1	0	096	521.05



Schedule 80 CPVC Industrial Products & Accessories True Union 2000 Industrial Ball Valves



Socket Style



SR Threaded Style



6" Lever Handle Style

All Valves Assembled with Silicone-Free, Water Soluble Lubricant
Contact Spears® for Pricing on Custom Elastomer Seals

See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

Pressure Rating @ 73°F (23°C), Water
1/2" - 4" 235 psi
6" - 8" 150 psi
All Flanged 150 psi

Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

Note: Standard 6" Valve uses lockout type Lever-Style Handle for proper leverage.

Non-locking T-Handle is more compact, but will increase difficulty of operation.

True Union 2000 Industrial Ball Valves have Built-in Handle Lockouts (except 6" T-Handle Option)

CPVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded & Socket Ends					
1/2	1829-005C 62.35	1839-005C 69.28	1	18	602
3/4	1829-007C 78.52	1839-007C 87.27	1	18	602
1	1829-010C 93.48	1839-010C 103.86	1	12	602
1-1/4	1829-012C 148.61	1839-012C 165.17	1	8	602
1-1/2	1829-015C 156.95	1839-015C 174.39	1	8	602
2	1829-020C 209.90	1839-020C 241.30	1	4	602

Socket Ends

2-1/2	1822-025C 470.62	1832-025C 522.88	1	0	603
3	1822-030C 550.26	1832-030C 611.45	1	0	603
4	1822-040C 997.11	1832-040C 1107.88	1	0	603
6	1822-060C 2122.69	1832-060C 2358.38	1	0	613
8	1822-080C 2823.20	1832-080C 3136.67	1	0	613

8" Venturi valves are 6" ball valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	1821-025C 470.62	1831-025C 522.88	1	0	603
3	1821-030C 550.26	1831-030C 611.45	1	0	603
4	1821-040C 997.11	1831-040C 1107.88	1	0	603
6	1821-060C 2122.69	1831-060C 2358.38	1	0	613

SR Threaded Ends

1/2	1821-005CSR 63.35	1831-005CSR 70.29	1	18	602
3/4	1821-007CSR 80.97	1831-007CSR 89.71	1	18	602
1	1821-010CSR 95.93	1831-010CSR 106.29	1	12	602
1-1/4	1821-012CSR 155.96	1831-012CSR 172.52	1	8	602
1-1/2	1821-015CSR 164.85	1831-015CSR 182.26	1	8	602
2	1821-020CSR 218.45	1831-020CSR 249.85	1	4	602
2-1/2	1821-025CSR 493.60	1831-025CSR 545.85	1	0	603
3	1821-030CSR 573.23	1831-030CSR 634.41	1	0	603
4	1821-040CSR 1023.91	1831-040CSR 1134.72	1	0	603
6	1821-060CSR 2180.86	1831-060CSR 2416.54	1	0	613

CPVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Spigot Ends					
1/2	1827-005C 62.35	1837-005C 69.28	1	18	602
3/4	1827-007C 78.52	1837-007C 87.27	1	18	602
1	1827-010C 93.48	1837-010C 103.86	1	12	602
1-1/4	1827-012C 148.61	1837-012C 165.17	1	8	602
1-1/2	1827-015C 156.95	1837-015C 174.39	1	8	602
2	1827-020C 209.90	1837-020C 241.30	1	4	602
2-1/2	1827-025C 470.62	1837-025C 522.88	1	0	603
3	1827-030C 550.26	1837-030C 611.45	1	0	603
4	1827-040C 997.11	1837-040C 1107.88	1	0	603
6	1827-060C 2122.69	1837-060C 2358.38	1	0	613

Flanged Ends

1/2	1823-005C 105.79	1833-005C 108.07	1	8	602
3/4	1823-007C 129.68	1833-007C 135.06	1	8	602
1	1823-010C 148.45	1833-010C 157.59	1	8	602
1-1/4	1823-012C 221.81	1833-012C 229.60	1	8	602
1-1/2	1823-015C 243.98	1833-015C 252.11	1	4	602
2	1823-020C 339.51	1833-020C 404.35	1	0	602
2-1/2	1823-025C 633.67	1833-025C 760.61	1	0	603
3	1823-030C 926.70	1833-030C 947.83	1	0	603
4	1823-040C 1625.28	1833-040C 1690.28	1	0	603
6	1823-060C 3461.83	1833-060C 3599.57	1	0	613
8	1823-080C 4604.22	1833-080C 4787.41	1	0	613

8" Venturi valves are 6" ball valves fitted with 6x8 end connector adapters.

CPVC 6" Industrial T-Handle Valve Option (Non-Locking) NOTICE: T-Handle is more compact, but will greatly increase difficulty of operation.

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
6	18226-060C 2122.69	18326-060C 2358.38	1	0	613



True Union 2000 Industrial Ball Valves

CPVC 6" Industrial T-Handle Valve Option (Non-Locking) NOTICE: T-Handle is more compact, but will greatly increase difficulty of operation.

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends					
6	18216-060C 2122.69	18316-060C 2358.38	1	0	613
SR Threaded Ends					
6	18216-060CSR 2180.86	18316-060CSR 2416.54	1	0	613
Flanged Ends					
6	18236-060C 3461.83	18336-060C 3599.57	1	0	613

True Union 2000 Industrial Vented/Bleach Ball Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" 235 psi
 6" 150 psi
 Flanged 150 psi

Same True Union 2000 Industrial Ball Valve with Special Ball Vent Design for Sodium Hypochlorite (Bleach) and other Chemical Applications where entrapped fluids may form caustic crystalline residues and pressure build up from gases developed. Valve has a 1/8" vent hole in ball to equalize internal fluid pressures. Install valve with ball vent on the pressure (upstream) side when in closed position.

All Valves assembled with Silicone-Free, Water Soluble Lubricant

Contact Spears® for Pricing & Availability on Custom Elastomer Seals. See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

CPVC True Union 2000 Industrial Vented/Bleach Ball Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded & Socket Ends					
Threaded End Connectors available on request					
1/2	1829V-005C 73.34	1839V-005C 81.50	1	18	602
3/4	1829V-007C 92.37	1839V-007C 102.67	1	18	602
1	1829V-010C 109.98	1839V-010C 122.19	1	12	602
1-1/4	1829V-012C 174.84	1839V-012C 194.34	1	8	602
1-1/2	1829V-015C 184.65	1839V-015C 205.16	1	8	602
2	1829V-020C 246.96	1839V-020C 283.87	1	4	602

Socket Ends

2-1/2	1822V-025C 553.67	1832V-025C 615.13	1	0	603
3	1822V-030C 647.37	1832V-030C 719.33	1	0	603
4	1822V-040C 1173.05	1832V-040C 1303.40	1	0	603
6	1822V-060C 2497.30	1832V-060C 2774.57	1	0	613

SR Threaded Ends

1/2	1821V-005CSR 74.51	1831V-005CSR 82.70	1	18	602
3/4	1821V-007CSR 95.27	1831V-007CSR 105.52	1	18	602
1	1821V-010CSR 112.83	1831V-010CSR 125.04	1	12	602
1-1/4	1821V-012CSR 183.46	1831V-012CSR 202.97	1	8	602
1-1/2	1821V-015CSR 193.94	1831V-015CSR 214.44	1	8	602

CPVC True Union 2000 Industrial Vented/Bleach Ball Valves (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
SR Threaded Ends					
2	1821V-020CSR 257.01	1831V-020CSR 293.94	1	4	602
2-1/2	1821V-025CSR 580.70	1831V-025CSR 642.17	1	0	603
3	1821V-030CSR 674.40	1831V-030CSR 746.37	1	0	603
4	1821V-040CSR 1204.61	1831V-040CSR 1334.97	1	0	603

Flanged Ends

1/2	1823V-005C 124.45	1833V-005C 127.13	1	8	602
3/4	1823V-007C 152.56	1833V-007C 158.93	1	8	602
1	1823V-010C 174.65	1833V-010C 185.40	1	8	602
1-1/4	1823V-012C 260.96	1833V-012C 270.11	1	8	602
1-1/2	1823V-015C 287.03	1833V-015C 296.61	1	4	602
2	1823V-020C 399.43	1833V-020C 475.69	1	0	602
2-1/2	1823V-025C 745.50	1833V-025C 894.83	1	0	603
3	1823V-030C 1090.23	1833V-030C 1115.07	1	0	603
4	1823V-040C 1988.55	1833V-040C 1988.57	1	0	603
6	1823V-060C 4234.79	1833V-060C 4234.79	1	0	613



Schedule 80 CPVC Industrial Products & Accessories True Union 2000 Industrial 3-Way Ball Valves

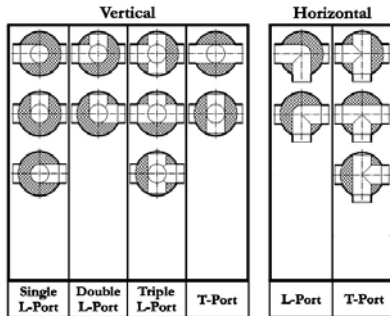
Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 4" 150 psi
Flanged 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
Vertical 3-Way or Horizontal Diverter Design
(No Branch Shut-off)

All Standard Carton Quantities are one
All Valves assembled with Silicone-Free,
Water Soluble Lubricant

See Ball Valve Accessories & Repair Kits Section
for Additional Options and Features

Ball Port Options



Ball port options viewed from top of valve



Horizontal Diverter Valve



Vertical 3-Way Valve

CPVC Horizontal Diverter Ball Valves

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	L-Port	5022L1-005C 149.93	5021L1-005CSR 154.69	5027L1-005C 149.93	5023L1-005C 306.09	5032L1-005C 162.43	5031L1-005CSR 169.83	5037L1-005C 162.43	5033L1-005C 319.73	617
	T-Port	5022T1-005C 149.93	5021T1-005CSR 154.69	5027T1-005C 149.93	5023T1-005C 306.09	5032T1-005C 162.43	5031T1-005CSR 169.83	5037T1-005C 162.43	5033T1-005C 319.73	617
3/4	L-Port	5022L1-007C 178.71	5021L1-007CSR 184.65	5027L1-007C 178.71	5023L1-007C 320.24	5032L1-007C 192.37	5031L1-007CSR 198.29	5037L1-007C 192.37	5033L1-007C 338.01	617
	T-Port	5022T1-007C 178.71	5021T1-007CSR 184.65	5027T1-007C 178.71	5023T1-007C 320.24	5032T1-007C 192.37	5031T1-007CSR 198.29	5037T1-007C 192.37	5033T1-007C 338.01	617
1	L-Port	5022L1-010C 216.71	5021L1-010CSR 222.50	5027L1-010C 216.71	5023L1-010C 456.32	5032L1-010C 238.78	5031L1-010CSR 244.53	5037L1-010C 238.78	5033L1-010C 498.95	617
	T-Port	5022T1-010C 216.71	5021T1-010CSR 222.50	5027T1-010C 216.71	5023T1-010C 456.32	5032T1-010C 238.78	5031T1-010CSR 244.53	5037T1-010C 238.78	5033T1-010C 498.95	617
1-1/4	L-Port	5022L1-012C 251.13	5021L1-012CSR 262.48	5027L1-012C 251.13	5023L1-012C 863.30	5032L1-012C 281.56	5031L1-012CSR 294.40	5037L1-012C 281.56	5033L1-012C 914.49	617
	T-Port	5022T1-012C 251.13	5021T1-012CSR 262.48	5027T1-012C 251.13	5023T1-012C 863.30	5032T1-012C 281.56	5031T1-012CSR 294.40	5037T1-012C 281.56	5033T1-012C 914.49	617
1-1/2	L-Port	5022L1-015C 293.76	5021L1-015CSR 312.67	5027L1-015C 293.76	5023L1-015C 889.44	5032L1-015C 321.52	5031L1-015CSR 340.47	5037L1-015C 321.52	5033L1-015C 930.10	617
	T-Port	5022T1-015C 293.76	5021T1-015CSR 312.67	5027T1-015C 293.76	5023T1-015C 889.44	5032T1-015C 321.52	5031T1-015CSR 340.47	5037T1-015C 321.52	5033T1-015C 930.10	617
2	L-Port	5022L1-020C 360.38	5021L1-020CSR 379.24	5027L1-020C 360.38	5023L1-020C 1154.90	5032L1-020C 420.01	5031L1-020CSR 440.54	5037L1-020C 420.01	5033L1-020C 1212.98	617
	T-Port	5022T1-020C 360.38	5021T1-020CSR 379.24	5027T1-020C 360.38	5023T1-020C 1154.90	5032T1-020C 420.01	5031T1-020CSR 440.54	5037T1-020C 420.01	5033T1-020C 1212.98	617
2-1/2	L-Port	5022L1-025C 1214.79	5021L1-025CSR 1267.78	5027L1-025C 1214.79	5023L1-025C 2027.88	5032L1-025C 1291.65	5031L1-025CSR 1344.84	5037L1-025C 1291.65	5033L1-025C 2376.52	617
	T-Port	5022T1-025C 1214.79	5021T1-025CSR 1267.78	5027T1-025C 1214.79	5023T1-025C 2027.88	5032T1-025C 1291.65	5031T1-025CSR 1344.84	5037T1-025C 1291.65	5033T1-025C 2376.52	617
3	L-Port	5022L1-030C 1239.48	5021L1-030CSR 1295.26	5027L1-030C 1239.48	5023L1-030C 2055.21	5032L1-030C 1311.88	5031L1-030CSR 1365.06	5037L1-030C 1311.88	5033L1-030C 2387.47	617
	T-Port	5022T1-030C 1239.48	5021T1-030CSR 1295.26	5027T1-030C 1239.48	5023T1-030C 2055.21	5032T1-030C 1311.88	5031T1-030CSR 1365.06	5037T1-030C 1311.88	5033T1-030C 2387.47	617
4	L-Port	5022L1-040C 2244.79	5021L1-040CSR 2305.50	5027L1-040C 2244.79	5023L1-040C 2984.98	5032L1-040C 2270.14	5031L1-040CSR 2330.97	5037L1-040C 2270.14	5033L1-040C 3262.61	617
	T-Port	5022T1-040C 2244.79	5021T1-040CSR 2305.50	5027T1-040C 2244.79	5023T1-040C 2984.98	5032T1-040C 2270.14	5031T1-040CSR 2330.97	5037T1-040C 2270.14	5033T1-040C 3262.61	617

Schedule 80 CPVC Industrial Products & Accessories
True Union 2000 Industrial 3-Way Ball Valves



CPVC Vertical 3-Way Ball Valves

Material		EPDM					Viton®					Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged			
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each		
1/2	L-Port	4722L1-005C 149.09	4721L1-005CSR 151.55	4727L1-005C 149.09	4723L1-005C 308.05	4732L1-005C 161.43	4731L1-005CSR 163.89	4737L1-005C 161.43	4733L1-005C 319.26	617		
	Double L-Port	4722L2-005C 297.04	4721L2-005CSR 299.33	4727L2-005C 297.04	4723L2-005C 456.00	4732L2-005C 309.38	4731L2-005CSR 311.69	4737L2-005C 309.38	4733L2-005C 467.03	617		
	Triple L-Port	4722L3-005C 297.04	4721L3-005CSR 299.33	4727L3-005C 297.04	4723L3-005C 456.00	4732L3-005C 309.38	4731L3-005CSR 311.69	4737L3-005C 309.38	4733L3-005C 467.03	617		
	T-Port	4722T1-005C 149.09	4721T1-005CSR 151.55	4727T1-005C 149.09	4723T1-005C 308.05	4732T1-005C 161.43	4731T1-005CSR 163.89	4737T1-005C 161.43	4733T1-005C 319.26	617		
3/4	L-Port	4722L1-007C 174.94	4721L1-007CSR 181.01	4727L1-007C 174.94	4723L1-007C 323.53	4732L1-007C 190.57	4731L1-007CSR 196.65	4737L1-007C 190.57	4733L1-007C 337.18	617		
	Double L-Port	4722L2-007C 322.87	4721L2-007CSR 328.62	4727L2-007C 322.87	4723L2-007C 471.32	4732L2-007C 338.50	4731L2-007CSR 344.43	4737L2-007C 338.50	4733L2-007C 484.96	617		
	Triple L-Port	4722L3-007C 322.87	4721L3-007CSR 328.62	4727L3-007C 322.87	4723L3-007C 471.32	4732L3-007C 338.50	4731L3-007CSR 344.43	4737L3-007C 338.50	4733L3-007C 484.96	617		
	T-Port	4722T1-007C 174.94	4721T1-007CSR 181.01	4727T1-007C 174.50	4723T1-007C 323.53	4732T1-007C 190.57	4731T1-007CSR 196.65	4737T1-007C 190.57	4733T1-007C 337.18	617		
1	L-Port	4722L1-010C 212.62	4721L1-010CSR 218.55	4727L1-010C 212.62	4723L1-010C 461.43	4732L1-010C 236.81	4731L1-010CSR 242.73	4737L1-010C 236.81	4733L1-010C 499.44	617		
	Double L-Port	4722L2-010C 360.54	4721L2-010CSR 366.47	4727L2-010C 360.54	4723L2-010C 609.36	4732L2-010C 384.57	4731L2-010CSR 390.52	4737L2-010C 384.57	4733L2-010C 647.38	617		
	Triple L-Port	4722L3-010C 360.54	4721L3-010CSR 366.47	4727L3-010C 360.54	4723L3-010C 609.36	4732L3-010C 384.57	4731L3-010CSR 390.52	4737L3-010C 384.57	4733L3-010C 647.38	617		
	T-Port	4722T1-010C 212.62	4721T1-010CSR 218.55	4727T1-010C 212.62	4723T1-010C 461.43	4732T1-010C 236.81	4731T1-010CSR 242.73	4737T1-010C 236.81	4733T1-010C 499.44	617		
1-1/4	L-Port	4722L1-012C 257.21	4721L1-012CSR 269.05	4727L1-012C 257.21	4723L1-012C 869.87	4732L1-012C 303.12	4731L1-012CSR 314.97	4737L1-012C 303.12	4733L1-012C 920.06	617		
	Double L-Port	4722L2-012C 404.98	4721L2-012CSR 416.83	4727L2-012C 404.98	4723L2-012C 1017.66	4732L2-012C 450.89	4731L2-012CSR 463.57	4737L2-012C 450.89	4733L2-012C 694.13	617		
	Triple L-Port	4722L3-012C 404.98	4721L3-012CSR 416.83	4727L3-012C 404.98	4723L3-012C 1017.66	4732L3-012C 450.89	4731L3-012CSR 463.57	4737L3-012C 450.89	4733L3-012C 1067.84	617		
	T-Port	4722T1-012C 257.21	4721T1-012CSR 269.05	4727T1-012C 257.21	4723T1-012C 869.87	4732T1-012C 303.12	4731T1-012CSR 314.97	4737T1-012C 303.12	4733T1-012C 920.06	617		
1-1/2	L-Port	4722L1-015C 297.35	4721L1-015CSR 316.45	4727L1-015C 297.35	4723L1-015C 902.31	4732L1-015C 325.99	4731L1-015CSR 345.07	4737L1-015C 325.99	4733L1-015C 930.10	617		
	Double L-Port	4722L2-015C 445.32	4721L2-015CSR 464.22	4727L2-015C 445.32	4723L2-015C 1050.05	4732L2-015C 473.95	4731L2-015CSR 530.69	4737L2-015C 473.95	4733L2-015C 1078.04	617		
	Triple L-Port	4722L3-015C 445.32	4721L3-015CSR 464.22	4727L3-015C 445.32	4723L3-015C 1050.05	4732L3-015C 473.95	4731L3-015CSR 530.69	4737L3-015C 473.95	4733L3-015C 1078.04	617		
	T-Port	4722T1-015C 297.35	4721T1-015CSR 316.45	4727T1-015C 297.35	4723T1-015C 902.31	4732T1-015C 325.99	4731T1-015CSR 345.07	4737T1-015C 325.99	4733T1-015C 930.10	617		
2	L-Port	4722L1-020C 364.84	4721L1-020CSR 385.39	4727L1-020C 364.84	4723L1-020C 1162.79	4732L1-020C 423.57	4731L1-020CSR 444.14	4737L1-020C 423.57	4733L1-020C 1214.14	617		
	Double L-Port	4722L2-020C 512.63	4721L2-020CSR 533.34	4727L2-020C 512.63	4723L2-020C 1266.31	4732L2-020C 571.37	4731L2-020CSR 591.91	4737L2-020C 571.37	4733L2-020C 1362.07	617		
	Triple L-Port	4722L3-020C 512.63	4721L3-020CSR 533.34	4727L3-020C 512.63	4723L3-020C 1266.31	4732L3-020C 571.37	4731L3-020CSR 591.91	4737L3-020C 571.37	4733L3-020C 1362.07	617		
	T-Port	4722T1-020C 364.84	4721T1-020CSR 385.39	4727T1-020C 364.84	4723T1-020C 1162.79	4732T1-020C 423.57	4731T1-020CSR 444.14	4737T1-020C 423.57	4733T1-020C 1214.14	617		
2-1/2	L-Port	4722L1-025C 1283.10	4721L1-025CSR 1336.23	4727L1-025C 1283.10	4723L1-025C 2036.60	4732L1-025C 1297.56	4731L1-025CSR 1350.72	4737L1-025C 1297.56	4733L1-025C 2373.81	617		
	Double L-Port	4722L2-025C 1430.86	4721L2-025CSR 1466.88	4727L2-025C 1430.86	4723L2-025C 2184.56	4732L2-025C 1445.35	4731L2-025CSR 1498.51	4737L2-025C 1445.35	4733L2-025C 2521.59	617		
	Triple L-Port	4722L3-025C 1430.86	4721L3-025CSR 1466.88	4727L3-025C 1430.86	4723L3-025C 2184.56	4732L3-025C 1445.35	4731L3-025CSR 1498.51	4737L3-025C 1445.35	4733L3-025C 2521.59	617		
	T-Port	4722T1-025C 1283.10	4721T1-025CSR 1336.23	4727T1-025C 1283.10	4723T1-025C 2036.60	4732T1-025C 1297.56	4731T1-025CSR 1350.72	4737T1-025C 1297.56	4733T1-025C 2373.81	617		
3	L-Port	4722L1-030C 1309.41	4721L1-030CSR 1362.57	4727L1-030C 1309.41	4723L1-030C 2064.94	4732L1-030C 1320.95	4731L1-030CSR 1374.27	4737L1-030C 1320.95	4733L1-030C 2389.44	617		
	Double L-Port	4722L2-030C 1457.21	4721L2-030CSR 1493.23	4727L2-030C 1457.21	4723L2-030C 2212.69	4732L2-030C 1468.87	4731L2-030CSR 1522.04	4737L2-030C 1468.87	4733L2-030C 2537.21	617		
	Triple L-Port	4722L3-030C 1457.21	4721L3-030CSR 1493.23	4727L3-030C 1457.21	4723L3-030C 2212.69	4732L3-030C 1468.87	4731L3-030CSR 1522.04	4737L3-030C 1468.87	4733L3-030C 2537.21	617		
	T-Port	4722T1-030C 1309.41	4721T1-030CSR 1362.57	4727T1-030C 1309.41	4723T1-030C 2064.94	4732T1-030C 1320.95	4731T1-030CSR 1374.27	4737T1-030C 1320.95	4733T1-030C 2389.44	617		
4	L-Port	4722L1-040C 2263.39	4721L1-040CSR 2324.11	4727L1-040C 2263.39	4723L1-040C 3031.56	4732L1-040C 2285.43	4731L1-040CSR 2346.16	4737L1-040C 2285.43	4733L1-040C 3144.12	617		
	Double L-Port	4722L2-040C 2411.15	4721L2-040CSR 2471.88	4727L2-040C 2411.15	4723L2-040C 3149.70	4732L2-040C 2433.21	4731L2-040CSR 2493.94	4737L2-040C 2433.21	4733L2-040C 3291.89	617		
	Triple L-Port	4722L3-040C 2411.15	4721L3-040CSR 2471.88	4727L3-040C 2411.15	4723L3-040C 3149.70	4732L3-040C 2433.21	4731L3-040CSR 2493.94	4737L3-040C 2433.21	4733L3-040C 3291.89	617		
	T-Port	4722T1-040C 2263.39	4721T1-040CSR 2324.11	4727T1-040C 2263.39	4723T1-040C 3031.56	4732T1-040C 2285.43	4731T1-040CSR 2346.16	4737T1-040C 2285.43	4733T1-040C 3144.12	617		



Schedule 80 CPVC Industrial Products & Accessories Tee-Style "Zero Dead-Leg" Ball Valves



Valves are produced to order in Ball Valve sizes 1/2" – 2". Tee Valves can be custom produced in any standard Tee and Valve size combination.

Pressure Rating @ 73°F (23°C), Water
Valve Sizes 1/2" - 2" (20mm - 63mm) = 235 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply

Additional Notes

The Tee Valve is assembled with socket end connector. Tee Valves are a non-stock configuration. All orders are non-cancelable, non-returnable.

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
1/2	182901-005C 238.90	183901-005C 250.18	1	12	264
3/4	182901-007C 261.06	183901-007C 273.98	1	8	264
1	182901-010C 265.99	183901-010C 285.39	1	8	264
2	182901-020C 290.62	183901-020C 335.69	1	4	264
3/4X1/2	182901-101C 242.85	183901-101C 254.11	1	12	264
1X1/2	182901-130C 220.24	183901-130C 263.22	1	8	264
1X3/4	182901-131C 265.99	183901-131C 278.93	1	8	264
1-1/4X1/2	182901-166C 269.51	183901-166C 280.80	1	8	264
1-1/4X3/4	182901-167C 270.93	183901-167C 283.84	1	8	264
1-1/4X1	182901-168C 310.54	183901-168C 329.93	1	8	264
1-1/2X1/2	182901-209C 302.72	183901-209C 313.39	1	8	264
1-1/2X3/4	182901-210C 311.49	183901-210C 319.15	1	8	264
1-1/2X1	182901-211C 322.24	183901-211C 329.93	1	8	264
2X1/2	182901-247C 345.70	183901-247C 356.96	1	8	264
2X3/4	182901-248C 373.01	183901-248C 385.93	1	8	264
2X1	182901-249C 392.56	183901-249C 411.95	1	8	264
2X1-1/2	182901-251C 460.94	183901-251C 485.11	1	8	264
3X1/2	182901-333C 455.07	183901-333C 466.34	1	0	264
3X1	182901-335C 476.55	183901-335C 495.94	1	0	264
3X1-1/2	182901-337C 542.96	183901-337C 567.14	1	0	264
3X2	182901-338C 595.70	183901-338C 640.77	1	0	264
4X1	182901-417C 585.93	183901-417C 605.32	1	0	264
4X1-1/2	182901-419C 652.32	183901-419C 676.52	1	0	264
4X2	182901-420C 777.32	183901-420C 822.39	1	0	264
6X2	182901-528C 1015.30	183901-528C 1060.36	1	0	264
8X2	182901-578C 1498.01	183901-578C 1543.09	1	0	264

CPVC Metric

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
20	182901M-020C 238.90	183901M-020C 250.18	1	8	264

CPVC Metric (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
25	182901M-025C 277.72	183901M-025C 273.98	1	8	263
32	182901M-032C 265.99	183901M-032C 285.39	1	8	264
40	182901M-040C 269.68	183901M-040C 287.83	1	8	264
50	182901M-050C 274.48	183901M-050C 323.41	1	8	264
63	182901M-063C 290.62	183901M-063C 335.69	1	8	004

Schedule 80 CPVC Industrial Products & Accessories
True Union 2000 Standard Ball Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" = 235 psi
 2-1/2" - 4" = 150 psi
 Flanged = 150 psi

Maximum Service Temperature
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
 All Valves Assembled with Silicone-Free, Water Soluble Lubricant
 See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

CPVC Standard

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket & Threaded Ends					
1/2	3629-005C 49.86	3639-005C 55.44	1	18	610
3/4	3629-007C 62.82	3639-007C 69.82	1	18	610
1	3629-010C 74.79	3639-010C 83.10	1	12	610
1-1/4	3629-012C 118.90	3639-012C 132.15	1	8	610
1-1/2	3629-015C 125.55	3639-015C 139.51	1	8	610
2	3629-020C 167.94	3639-020C 193.05	1	4	610

Socket Ends

2-1/2	3622-025C 376.49	3632-025C 418.30	1	0	611
3	3622-030C 440.22	3632-030C 489.16	1	0	611
4	3622-040C 797.68	3632-040C 886.31	1	0	611

Threaded Ends

2-1/2	3621-025C 376.49	3631-025C 418.30	1	0	611
3	3621-030C 440.22	3631-030C 489.16	1	0	611
4	3621-040C 797.68	3631-040C 886.31	1	0	611

SR Threaded Ends

1/2	3621-005CSR 50.67	3631-005CSR 56.23	1	18	610
3/4	3621-007CSR 64.80	3631-007CSR 71.78	1	18	610
1	3621-010CSR 76.73	3631-010CSR 85.01	1	18	610
1-1/4	3621-012CSR 124.77	3631-012CSR 138.00	1	12	610
1-1/2	3621-015CSR 131.26	3631-015CSR 145.80	1	8	610
2	3621-020CSR 174.74	3631-020CSR 199.87	1	8	610
2-1/2	3621-025CSR 394.87	3631-025CSR 436.69	1	0	611
3	3621-030CSR 458.59	3631-030CSR 507.54	1	0	611
4	3621-040CSR 819.15	3631-040CSR 908.47	1	0	611

Spigot Ends

1/2	3627-005C 49.86	3637-005C 55.44	1	18	610
3/4	3627-007C 62.82	3637-007C 69.82	1	18	610
1	3627-010C 74.79	3637-010C 83.10	1	12	610
1-1/4	3627-012C 118.90	3637-012C 132.15	1	12	610
1-1/2	3627-015C 125.55	3637-015C 139.51	1	8	610
2	3627-020C 167.94	3637-020C 193.05	1	8	610

CPVC Standard (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Spigot Ends					
2-1/2	3627-025C 376.49	3637-025C 418.30	1	0	611
3	3627-030C 440.22	3637-030C 489.16	1	0	611
4	3627-040C 797.68	3637-040C 886.31	1	0	611

Flanged Ends

1/2	3623-005C 84.63	3633-005C 86.46	1	8	610
3/4	3623-007C 103.73	3633-007C 108.11	1	8	610
1	3623-010C 118.76	3633-010C 126.07	1	8	610
1-1/4	3623-012C 177.45	3633-012C 183.67	1	4	610
1-1/2	3623-015C 195.20	3633-015C 201.69	1	4	610
2	3623-020C 271.61	3633-020C 323.47	1	0	610
2-1/2	3623-025C 506.94	3633-025C 608.49	1	0	611
3	3623-030C 695.02	3633-030C 758.27	1	0	611
4	3623-040C 1300.23	3633-040C 1352.23	1	0	611



Schedule 80 CPVC Industrial Products & Accessories

True Union 2000 Industrial Retrofit Ball Valves - Replaces Other Brand Valves



Industrial Valve

Complete universal replacement valve for domestic and import CPVC valve. See separate catalog listing for retrofit replacement of older Spears® valves.

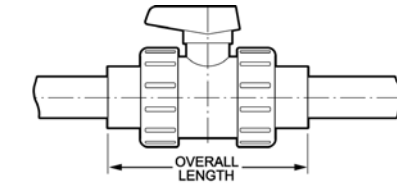
Retrofit valve consists of Spears® Industrial True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 4" = 235 psi

All Valves Assembled with Silicone-Free,
Water Soluble Lubricant

Suitable for Vacuum Service

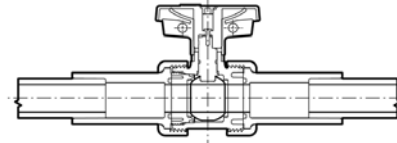
Retrofit End Connector Sets without
valve are also available - See
Ball Valve Accessories & Repair Kits



BALL VALVE FOR
REPLACEMENT



PIPE LAYING LENGTH
AFTER CUTTING



TRUE UNION 2000
INDUSTRIAL BALL
VALVE INSTALLED
WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	4-29/32	5-7/16	6-3/32	7-1/4	7-1/2	8-17/32	10-3/4	11-7/16	14-15/16

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822R-005C 62.35	1832R-005C 69.28	1	18	602
3/4	1822R-007C 78.52	1832R-007C 87.27	1	18	602
1	1822R-010C 93.48	1832R-010C 103.86	1	12	602
1-1/4	1822R-012C 148.61	1832R-012C 165.17	1	8	602
1-1/2	1822R-015C 156.95	1832R-015C 174.39	1	8	602
2	1822R-020C 209.90	1832R-020C 241.30	1	4	602
2-1/2	1822R-025C 470.62	1832R-025C 522.88	1	0	603
3	1822R-030C 550.26	1832R-030C 611.45	1	0	603
4	1822R-040C 997.11	1832R-040C 1107.88	1	0	603

Schedule 80 CPVC Industrial Products & Accessories
True Union 2000 Industrial Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves



Industrial Valve

Complete replacement valve for older Spears® 2300 Series Regular True Union Ball Valves. See separate catalog listing for replacement of other brand valves.

Retrofit valve consists of Spears® Industrial True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

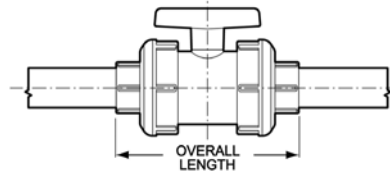
Pressure Rating @ 73°F (23°C),
Water

1/2" - 4" 235 psi

All Valves Assembled with Silicone-Free,
Water Soluble Lubricant

Suitable for Vacuum Service

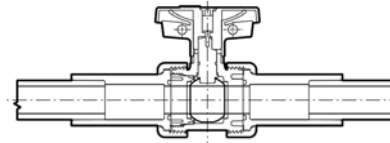
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 INDUSTRIAL BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	5-5/16	6-1/4	6-11/16	7-1/8	8-3/16	8-15/16	12	12-1/16	13-3/16

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822RS-005C 62.35	1832RS-005C 69.28	1	18	602
3/4	1822RS-007C 78.52	1832RS-007C 87.27	1	18	602
1	1822RS-010C 93.48	1832RS-010C 103.86	1	12	602
1-1/4	1822RS-012C 148.61	1832RS-012C 165.17	1	8	602
1-1/2	1822RS-015C 156.95	1832RS-015C 174.39	1	8	602
2	1822RS-020C 209.90	1832RS-020C 241.30	1	4	602
2-1/2	1822RS-025C 470.62	1832RS-025C 522.88	1	0	603
3	1822RS-030C 550.26	1832RS-030C 611.45	1	0	603
4	1822RS-040C 997.11	1832RS-040C 1107.88	1	0	603



Schedule 80 CPVC Industrial Products & Accessories
True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves & True Union 2000 Standard Retrofit Ball Valves -
Replaces Spears® "Regular Style" Valves

True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves



Standard Valve

Complete universal replacement valve for domestic and import CPVC valve. See separate catalog listing for retrofit replacement of older Spears® valves.

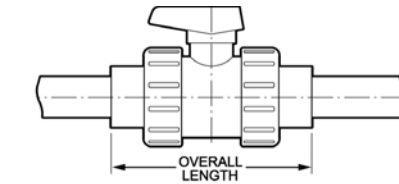
Retrofit valve consists of Spears® Standard True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 2-1/2" - 4" 150 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant.

Suitable for Vacuum Service.

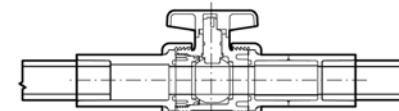
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 STANDARD BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	4-29/32	5-7/16	6-3/32	7-1/4	7-1/2	8-17/32	10-3/4	11-7/16	14-15/16

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622R-005C 49.86	3632R-005C 55.44	1	18	610
3/4	3622R-007C 62.82	3632R-007C 69.82	1	12	610
1	3622R-010C 74.79	3632R-010C 83.10	1	8	610
1-1/4	3622R-012C 118.90	3632R-012C 132.15	1	8	610
1-1/2	3622R-015C 125.55	3632R-015C 139.51	1	8	610

CPVC - Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	3622R-020C 167.94	3632R-020C 193.05	1	4	610
2-1/2	3622R-025C 376.49	3632R-025C 418.30	1	0	611
3	3622R-030C 440.22	3632R-030C 489.16	1	0	611
4	3622R-040C 797.68	3632R-040C 886.31	1	0	611

True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves



Standard Valve

Complete replacement valve for older Spears® 2300 Series Regular True Union Ball Valves. See separate catalog listing for replacement of other brand valves.

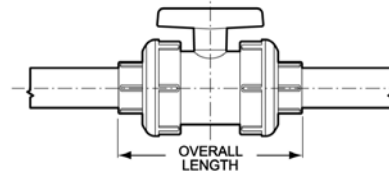
Retrofit valve consists of Spears® Standard True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 2-1/2" - 4" 150 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Suitable for Vacuum Service

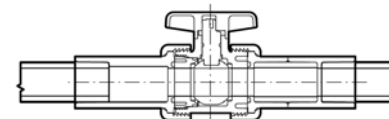
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 STANDARD BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	5-5/16	6-1/4	6-11/16	7-1/8	8-3/16	8-15/16	12	12-1/16	13-3/16

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622RS-005C 49.86	3632RS-005C 55.44	1	18	610
3/4	3622RS-007C 62.82	3632RS-007C 69.82	1	18	610
1	3622RS-010C 74.79	3632RS-010C 83.10	1	12	610
1-1/4	3622RS-012C 118.90	3632RS-012C 132.15	1	8	610

CPVC - Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	3622RS-015C 125.55	3632RS-015C 139.51	1	8	610
2	3622RS-020C 167.94	3632RS-020C 193.05	1	4	610
2-1/2	3622RS-025C 376.49	3632RS-025C 418.30	1	0	611
3	3622RS-030C 440.22	3632RS-030C 489.16	1	0	611



True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves

CPVC - Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
4	3622RS-040C 797.68	3632RS-040C 886.31	1	0	611

True Union Ball Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 6" 150 psi
Flanged 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service
All Valves assembled with Silicone-Free, Water Soluble Lubricant.

6" Venturied Valves are 4" Ball Valves equipped with 4x6 End Connectors.

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

Threaded End Connectors available on request

1/2	2329-005C 71.79	2339-005C 79.80	1	18	232
3/4	2329-007C 90.45	2339-007C 100.51	1	12	232
1	2329-010C 107.65	2339-010C 119.62	1	8	232
1-1/4	2329-012C 171.15	2339-012C 190.23	1	8	232
1-1/2	2329-015C 180.76	2339-015C 200.85	1	8	232
2	2329-020C 241.77	2339-020C 277.90	1	4	232

Socket Ends

2-1/2	2322-025C 514.91	2332-025C 572.10	1	0	232
3	2322-030C 602.06	2332-030C 668.98	1	0	232
4	2322-040C 1090.95	2332-040C 1212.17	1	0	232

Socket Venturied Ends

6 VENTURIED	2322-060C 1814.86	2332-060C 1883.05	1	0	233
--------------------	-----------------------------	-----------------------------	---	---	-----

Threaded Ends

2-1/2	2321-025C 514.91	2331-025C 572.10	1	0	232
3	2321-030C 602.06	2331-030C 668.98	1	0	232
4	2321-040C 1090.95	2331-040C 1212.17	1	0	232

Flanged Ends

1/2	2323-005C 121.82	2333-005C 124.45	6	0	232
3/4	2323-007C 149.34	2333-007C 155.56	5	0	232
1	2323-010C 170.99	2333-010C 181.50	5	0	232
1-1/4	2323-012C 255.45	2333-012C 264.41	2	0	232
1-1/2	2323-015C 281.00	2333-015C 290.33	3	0	232
2	2323-020C 391.02	2333-020C 465.68	2	0	232
2-1/2	2323-025C 693.31	2333-025C 832.19	1	0	232

CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Flanged Ends

3	2323-030C 1013.93	2333-030C 1037.03	1	0	232
4	2323-040C 1778.24	2333-040C 1849.36	1	0	232

Flanged Venturied Ends

6 VENTURIED	2323-060C 2756.35	2333-060C 2851.87	1	0	233
--------------------	-----------------------------	-----------------------------	---	---	-----



Schedule 80 CPVC Industrial Products & Accessories

Compact 2000 Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi

Maximum Service Temperature

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free, Water Soluble Lubricants.

Rated for Vacuum Service

Compact 2000 Ball Valves are a Maintenance-Free, Sealed Unit (non-repairable).
See Ball Valve Accessories & Repair Kits Section for Additional Options and Features.

CPVC 2000 Compact Ball Valve

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	-----------	------------	--------------

Socket Ends

1/2	6622-005C 23.68	6632-005C 26.35	10	120	212
3/4	6622-007C 31.24	6632-007C 35.10	10	80	212
1	6622-010C 39.04	6632-010C 43.90	10	0	212
1-1/4	6622-012C 63.89	6632-012C 78.96	6	0	212
1-1/2	6622-015C 79.02	6632-015C 87.80	5	0	212
2	6622-020C 103.52	6632-020C 116.31	8	0	212

Threaded Ends

1/2	6621-005C 23.68	6631-005C 26.35	10	120	212
3/4	6621-007C 31.24	6631-007C 35.10	10	80	212
1	6621-010C 39.04	6631-010C 43.90	10	0	212
1-1/4	6621-012C 63.89	6631-012C 78.96	6	0	212
1-1/2	6621-015C 79.02	6631-015C 87.80	5	0	212
2	6621-020C 103.52	6631-020C 116.31	8	0	212

Flanged Ends

1/2	6623-005C 64.80	6633-005C 66.80	1	0	212
3/4	6623-007C 76.60	6633-007C 79.98	1	0	212
1	6623-010C 100.80	6633-010C 106.75	1	0	212
1-1/4	6623-012C 126.80	6633-012C 133.60	1	0	212
1-1/2	6623-015C 160.20	6633-015C 169.79	1	0	212
2	6623-020C 223.20	6633-020C 229.80	1	0	212

Schedule 80 CPVC Industrial Products & Accessories Compact Ball Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 3" - 6" 150 psi
 Flanged 150 psi
 Maximum Service Temperature
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves Assembled with Silicone-Free, Water Soluble Lubricants.
 See Ball Valve Accessories & Repair Kits Section for Additional
 Options & Features

Note: Standard 6" Valve uses Lever-Style Handle for proper leverage.
 T-Handle option is more compact but will increase difficulty of
 operation.

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
1/2	2122-005C 24.93	2132-005C 27.72	10	80	212
3/4	2122-007C 32.88	2132-007C 36.96	10	0	212
1	2122-010C 41.11	2132-010C 46.21	10	0	212
1-1/4	2122-012C 83.18	2132-012C 92.39	6	0	212
1-1/2	2122-015C 102.77	2132-015C 108.04	5	0	212
2	2122-020C 108.98	2132-020C 122.45	6	0	212
3	2122-030C 331.59	2132-030C 369.84	1	4	213
4	2122-040C 612.98	2132-040C 688.69	1	0	213
6 (Lever Handle)	2122-060C 1001.78	2132-060C 1067.44	1	0	213
6 (Tee Handle)	21226-060C 1001.78	21326-060C 1067.44	1	0	213

Threaded Ends

1/2	2121-005C 24.93	2131-005C 27.72	10	80	212
3/4	2121-007C 32.88	2131-007C 36.96	10	0	212
1	2121-010C 41.11	2131-010C 46.21	10	0	212
1-1/4	2121-012C 83.18	2131-012C 92.39	6	0	212
1-1/2	2121-015C 102.77	2131-015C 108.04	5	0	212
2	2121-020C 108.98	2131-020C 122.45	6	0	212
3	2121-030C 331.59	2131-030C 369.84	1	4	213
4	2121-040C 612.98	2131-040C 688.69	1	0	213

Flanged Ends

1/2	2123-005C 69.49	2133-005C 72.30	1	8	212
3/4	2123-007C 80.68	2133-007C 84.76	1	8	212
1	2123-010C 95.40	2133-010C 100.52	1	8	212
1-1/4	2123-012C 150.33	2133-012C 159.56	1	8	212
1-1/2	2123-015C 188.00	2133-015C 193.81	1	4	212
2	2123-020C 212.90	2133-020C 226.37	1	0	212
3	2123-030C 509.85	2133-030C 548.10	1	0	213
4	2123-040C 796.45	2133-040C 872.15	1	0	213
6 (Lever Handle)	2123-060C 1512.80	2133-060C 1622.91	1	0	213

CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
6 (Tee Handle)	21236-060C 1512.80	21336-060C 1622.91	1	0	213



Schedule 80 CPVC Industrial Products & Accessories Utility Ball Valves & Lab Ball Valves

Utility Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free,
Water Soluble Lubricant

See Ball Valve Accessories & Repair Kits
Section for Additional Options and Features

CPVC w/EPDM O-ring Seal

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
CPVC					
1/2	2621-005C 11.73	2622-005C 11.73	50	0	216
3/4	2621-007C 14.91	2622-007C 14.91	25	0	216
1	2621-010C 16.20	2622-010C 16.20	25	0	216

CPVC w/EPDM O-ring Seal (continued)

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
CPVC					
1-1/4	2621-012C 22.83	2622-012C 22.83	20	0	216
1-1/2	2621-015C 35.40	2622-015C 35.40	20	0	216
2	2621-020C 44.03	2622-020C 44.03	8	0	216

Lab Ball Valves



Socket/Threaded Valve Only

Pressure Rating @ 73°F (23°C),
Water
1/4" - 3/8" 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings
Apply
Rated for Vacuum Service

Valve & Adapters includes:

- 1 - Threaded 1/4" Valve
- 2 - O-ring Sealed 1/4" MPT x Mipt Adapters
- 2 - EPDM or Viton® O-rings (AS568-013 size)
- 1 - End Connector Wrench
- 2 - O-ring Sealed 1/4" MPT x 3/8" I.D. Tubing Barb Adapters
- OR -
- 2 - O-ring Sealed 1/4" MPT x 1/4" I.D. Tubing Barb Adapters



Valve & Adapters

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Valve & Adapters Threaded Ends

1/4X3/8T	1529-002C 29.36	1539-002C 29.93	1	25	219
1/4X1/4T	1529-002CA 29.36	1539-002CA 29.93	1	25	219

Valve only Threaded Ends

1/4	1521-002C 23.51	1531-002C 25.85	50	200	219
3/8	1521-003C 32.97	1531-003C 30.90	50	200	219

Valve only Socket Ends

1/4	1522-002C 23.51	1532-002C 27.98	50	200	219
3/8	1522-003C 32.97	1532-003C 36.60	50	200	219

Schedule 80 CPVC Industrial Products & Accessories True Union 2000 Industrial Ball Check Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" 235 psi
 6" - 8" 150 psi
 All Flanged 150 psi
 Maximum Service Temperature
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves assembled with Silicone-Free,
 Water Soluble Lubricant
 Contact Spears® for Pricing & Availability
 on Custom Elastomer Seals
 See Ball Valve Accessories & Repair Kits Section
 for Additional Options and Features

Socket Style

General Installation Information: Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

CPVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	4529-005C 79.14	4539-005C 88.10	1	18	606
3/4	4529-007C 94.72	4539-007C 105.27	1	18	606
1	4529-010C 111.77	4539-010C 124.17	1	18	606
1-1/4	4529-012C 192.50	4539-012C 213.69	1	12	606
1-1/2	4529-015C 192.50	4539-015C 213.69	1	8	606
2	4529-020C 257.12	4539-020C 286.48	1	8	606

Socket Ends

2-1/2	4522-025C 538.78	4532-025C 598.62	1	0	607
3	4522-030C 715.80	4532-030C 779.63	1	0	607
4	4522-040C 1182.31	4532-040C 1314.51	1	0	607
6	4522-060C 2441.02	4532-060C 2711.90	1	0	559
8	4522-080C 2871.80	4532-080C 3614.85	1	0	559

8" Venturi valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025C 538.78	4531-025C 598.62	1	0	607
3	4521-030C 713.67	4531-030C 799.69	1	0	607
4	4521-040C 1182.31	4531-040C 1314.51	1	0	607
6	4521-060C 2441.02	4531-060C 2711.90	1	0	559

SR Threaded Ends

1/2	4521-005CSR 80.20	4531-005CSR 89.18	1	18	606
3/4	4521-007CSR 97.32	4531-007CSR 107.83	1	18	606
1	4521-010CSR 114.33	4531-010CSR 126.76	1	18	606
1-1/4	4521-012CSR 197.63	4531-012CSR 222.00	1	12	606
1-1/2	4521-015CSR 197.63	4531-015CSR 222.00	1	8	606
2	4521-020CSR 266.10	4531-020CSR 295.47	1	8	606
2-1/2	4521-025CSR 562.06	4531-025CSR 621.60	1	0	607
3	4521-030CSR 562.06	4531-030CSR 837.65	1	0	607
4	4521-040CSR 1209.12	4531-040CSR 1341.34	1	0	607
6	4521-060CSR 2506.84	4531-060CSR 2777.72	1	0	559

CPVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Spigot Ends

1/2	4527-005C 79.14	4537-005C 88.10	1	18	606
3/4	4527-007C 94.72	4537-007C 105.27	1	18	606
1	4527-010C 111.77	4537-010C 124.17	1	12	606
1-1/4	4527-012C 192.50	4537-012C 213.69	1	12	606
1-1/2	4527-015C 218.59	4537-015C 213.69	1	8	606
2	4527-020C 257.12	4537-020C 286.48	1	8	606
2-1/2	4527-025C 538.78	4537-025C 598.62	1	0	607
3	4527-030C 700.15	4537-030C 775.16	1	0	607
4	4527-040C 1182.31	4537-040C 1314.51	1	0	607
6	4527-060C 2441.02	4537-060C 2711.90	1	0	559

Flanged Ends

1/2	4523-005C 98.27	4533-005C 122.80	1	8	606
3/4	4523-007C 117.24	4533-007C 148.41	1	8	606
1	4523-010C 139.99	4533-010C 172.59	1	8	606
1-1/4	4523-012C 236.12	4533-012C 292.78	1	8	606
1-1/2	4523-015C 252.26	4533-015C 315.22	1	4	606
2	4523-020C 446.04	4533-020C 478.20	1	0	606
2-1/2	4523-025C 808.13	4533-025C 874.29	1	0	607
3	4523-030C 902.35	4533-030C 989.94	1	0	607
4	4523-040C 1492.90	4533-040C 1603.10	1	0	607
6	4523-060C 3980.64	4533-060C 4138.28	1	0	559
8	4523-080C 4582.09	4533-080C 4985.86	1	0	559

8" Venturi valves are 6" ball check valves fitted with 6x8 end connector adapters.



Schedule 80 CPVC Industrial Products & Accessories True Union Ball Check Valves (Regular Style) & Foot Valve Screens

True Union Ball Check Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 6" 150 psi
Flanged 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

All Valves assembled with Silicone-Free,
Water Soluble Lubricant

6" Venturied Valves are 4" Ball Check Valves equipped with
4x6 End Connectors.

General Installation Information: Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	2229-005C 86.59	2239-005C 96.40	1	18	222
3/4	2229-007C 103.65	2239-007C 115.18	1	12	222
1	2229-010C 122.30	2239-010C 135.87	1	8	222
1-1/4	2229-012C 210.61	2239-012C 233.81	1	8	222
1-1/2	2229-015C 254.68	2239-015C 269.20	1	8	222
2	2229-020C 282.03	2239-020C 313.45	1	4	222

Socket Ends

2-1/2	2222-025C 589.49	2232-025C 654.97	1	0	222
3	2222-030C 960.18	2232-030C 1050.76	1	0	222
4	2222-040C 1293.59	2232-040C 1438.23	1	0	222

Socket Venturied Ends

6 VENTURIED	2222-060C 1668.73	2232-060C 1869.67	1	0	223
-------------	----------------------	----------------------	---	---	-----

Threaded Ends

2-1/2	2221-025C 589.49	2231-025C 654.97	1	0	222
3	2221-030C 960.18	2231-030C 1050.76	1	0	222
4	2221-040C 1293.59	2231-040C 1438.23	1	0	222

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Flanged Ends

1/2	2223-005C 107.52	2233-005C 134.35	6	0	222
3/4	2223-007C 128.27	2233-007C 162.39	5	0	222
1	2223-010C 153.16	2233-010C 188.82	5	0	222
1-1/4	2223-012C 258.35	2233-012C 320.33	2	0	222
1-1/2	2223-015C 276.00	2233-015C 344.88	3	0	222
2	2223-020C 488.01	2233-020C 523.21	2	0	222
2-1/2	2223-025C 776.52	2233-025C 884.18	1	0	222
3	2223-030C 987.29	2233-030C 1083.11	1	0	222
4	2223-040C 1633.40	2233-040C 1753.98	1	0	222

Flanged Venturied Ends

6 VENTURIED	2223-060C 1969.11	2233-060C 2131.44	1	0	223
-------------	----------------------	----------------------	---	---	-----

Foot Valve Screens

Convert to Foot Valve using adapter - Fits all Socket Ball Check Valves
or any IPS fitting socket



CPVC Foot Valve Screen

Foot Valve Screens

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC

FVS-005C	1/2	10	60	299	59.71
FVS-007C	3/4	10	60	299	64.41
FVS-010C	1	10	40	299	73.12
FVS-012C	1-1/4	5	30	299	112.93
FVS-015C	1-1/2	5	0	299	117.26
FVS-020C	2	5	0	299	129.45
FVS-025C	2-1/2	5	0	299	188.60

Foot Valve Screens (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC

FVS-030C	3	5	0	299	210.03
FVS-040C	4	5	0	299	300.18
FVS-060C	6	5	0	299	428.95

Schedule 80 CPVC Industrial Products & Accessories Y-Check Valves



True Union Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi
 Maximum Service Temperature
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1622-005C 120.90	1632-005C 133.14	1	18	629
3/4	1622-007C 130.09	1632-007C 143.86	1	18	629
1	1622-010C 142.33	1632-010C 157.63	1	12	629
1-1/4	1622-012C 223.44	1632-012C 247.93	1	8	629
1-1/2	1622-015C 243.34	1632-015C 269.35	1	8	629
2	1622-020C 301.49	1632-020C 335.15	1	4	629
3	1622-030C 862.84	1632-030C 965.46	1	0	629
4	1622-040C 1040.67	1632-040C 1156.99	1	0	629

CPVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1621-005CSR 123.96	1631-005CSR 137.73	1	18	629
3/4	1621-007CSR 134.68	1631-007CSR 149.99	1	12	629
1	1621-010CSR 149.99	1631-010CSR 165.28	1	8	629
1-1/4	1621-012CSR 235.69	1631-012CSR 258.64	1	8	629
1-1/2	1621-015CSR 263.23	1631-015CSR 289.26	1	4	629
2	1621-020CSR 322.91	1631-020CSR 356.60	1	0	629
3	1621-030CSR 656.55	1631-030CSR 722.36	1	0	629
4	1621-040CSR 1100.37	1631-040CSR 1216.69	1	0	629

CPVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1623-005C 157.63	1633-005C 162.26	1	8	629
3/4	1623-007C 172.95	1633-007C 192.83	1	8	629
1	1623-010C 208.15	1633-010C 231.71	1	8	629
1-1/4	1623-012C 321.39	1633-012C 356.60	1	4	629
1-1/2	1623-015C 339.74	1633-015C 378.01	1	4	629
2	1623-020C 456.06	1633-020C 506.56	1	0	629
3	1623-030C 893.77	1633-030C 993.24	1	0	629
4	1623-040C 1426.35	1633-040C 1585.52	1	0	629

CPVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162A-005C 131.62	163A-005C 145.39	1	12	629

CPVC - True Union Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3/4	162A-007C 140.80	163A-007C 157.63	1	8	629
1	162A-010C 154.57	163A-010C 171.41	1	8	629
1-1/4	162A-012C 241.81	163A-012C 269.35	1	4	629
1-1/2	162A-015C 263.23	163A-015C 292.32	1	0	629
2	162A-020C 327.51	163A-020C 364.23	2	0	629
3	162A-030C 648.90	163A-030C 708.57	1	0	629
4	162A-040C 1130.98	163A-040C 1256.48	1	0	629

CPVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005C 131.62	163B-005C 145.39	1	12	629
3/4	162B-007C 140.80	163B-007C 157.63	1	8	629
1	162B-010C 154.57	163B-010C 171.41	1	8	629
1-1/4	162B-012C 241.81	163B-012C 269.35	1	4	629
1-1/2	162B-015C 263.23	163B-015C 292.32	1	0	629
2	162B-020C 327.51	163B-020C 364.23	2	0	629
3	162B-030C 648.90	163B-030C 708.57	1	0	629
4	162B-040C 1130.98	163B-040C 1256.48	1	0	629

CPVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005CSR 134.68	163B-005CSR 148.45	1	12	629
3/4	162B-007CSR 146.93	163B-007CSR 162.22	1	8	629
1	162B-010CSR 162.22	163B-010CSR 179.06	1	8	629
1-1/4	162B-012CSR 255.57	163B-012CSR 281.60	1	4	629
1-1/2	162B-015CSR 286.19	163B-015CSR 313.72	1	0	629
2	162B-020CSR 351.99	163B-020CSR 387.19	1	0	629
3	162B-030CSR 713.18	163B-030CSR 783.59	1	0	629
4	162B-040CSR 1196.80	163B-040CSR 1322.30	1	0	629



Schedule 80 CPVC Industrial Products & Accessories Butterfly Check Valves



Wafer



Flanged



Spigot



Threaded



Grooved

Pressure Rating @ 73°F (23°C), Water

2" - 8" 150 psi
10" - 16" 100 psi
18" - 24" 50 psi

Maximum Service Temperature
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

General Installation Information: Butterfly Check Valve seating may be affected by normal system turbulence. Flow velocities should be limited to approx per second. Valves should be installed at least 5 pipe diameters away from any fitting, pump or other source of turbulence. If used as a foot valve, do bottom of a tank. Butterfly type check valves should not be used in continuous cycling applications, such as with reciprocating pumps. This can result in p of sealing membrane. In horizontal installations, always orient the Hinge Post Bolts visible on the external body in a vertical (top and bottom) position, f flow. In vertical installations downstream from an elbow, flow velocities can be higher on the outer radius of the elbow. To avoid uneven butterfly plate loa Post Bolts should align with crotch and outer radius of elbow and NOT from side to side of the elbow.

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Wafer					
2	5420-020C 596.86	5430-020C 662.52	1	18	290
2-1/2	5420-025C 822.59	5430-025C 871.77	1	0	290
3	5420-030C 1052.17	5430-030C 1167.91	1	0	290
4	5420-040C 1430.98	5430-040C 1588.37	1	0	290
6	5420-060C 2169.38	5430-060C 2408.02	1	0	290
8	5420-080C 3680.67	5430-080C 4085.54	1	0	290
10	5420-100C 7915.72	5430-100C 8707.30	1	0	290
12	5420-120C 13940.65	5430-120C 15334.72	1	0	290

Flanged Ends

2	5423-020C 760.27	5433-020C 797.30	1	8	290
2-1/2	5423-025C 1216.93	5433-025C 1273.70	1	0	290
3	5423-030C 1300.85	5433-030C 1392.19	1	0	290
4	5423-040C 1523.01	5433-040C 1661.24	1	0	290
6	5423-060C 2685.64	5433-060C 2964.59	1	0	290
8	5423-080C 4302.47	5433-080C 4801.11	1	0	290
10	5423-100C 8131.01	5433-100C 8846.85	1	0	290
12	5423-120C 14645.18	5433-120C 15565.94	1	0	290
14	5423-140C 20921.33	5433-140C 22236.76	1	0	290
16	5423-160C 29055.80	5433-160C 30884.37	1	0	290
18	5423-180C 36319.73	5433-180C 38605.48	1	0	290
20	5423-200C 51885.14	5433-200C 55149.57	1	0	290
24	5423-240C 64854.98	5433-240C 68936.72	1	0	289

Spigot (Plain End)

2	5427-020C 399.88	5437-020C 436.91	1	12	290
2-1/2	5427-025C 540.60	5437-025C 597.35	1	12	290
3	5427-030C 550.47	5437-030C 640.97	1	8	290
4	5427-040C 691.15	5437-040C 829.40	1	4	290
6	5427-060C 1478.60	5437-060C 1757.54	1	0	290

CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Spigot (Plain End)					
8	5427-080C 2219.12	5437-080C 2717.74	1	0	290
10	5427-100C 5546.55	5437-100C 6262.43	1	0	290
12	5427-120C 9101.10	5437-120C 10021.00	1	0	290
14	5427-140C 9519.26	5437-140C 19882.22	1	0	290
16	5427-160C 12588.10	5437-160C 13067.26	1	0	290
18	5427-180C 19142.33	5437-180C 21970.47	1	0	290
20	5427-200C 23928.86	5437-200C 27460.38	1	0	290
24	5427-240C 24784.56	5437-240C 68936.72	1	0	290

Threaded Ends

2	5421A-020C 397.44	5431A-020C 459.14	1	12	290
2-1/2	5421A-025C 538.45	5431A-025C 595.72	1	8	290
3	5421A-030C 547.17	5431A-030C 638.49	1	8	290
4	5421A-040C 687.87	5431A-040C 826.10	1	4	290
6	5421A-060C 1467.06	5431A-060C 1745.17	1	0	290
8	5421A-080C 2208.90	5431A-080C 2707.54	1	0	290
10	5421A-100C 5537.82	5431A-100C 6253.69	1	0	290
12	5421A-120C 9086.60	5431A-120C 10007.34	1	0	290

Grooved Ends

2	542G-020C 422.12	543G-020C 488.95	1	12	290
2-1/2	542G-025C 560.33	543G-025C 617.12	1	8	290
3	542G-030C 569.36	543G-030C 660.71	1	8	290
4	542G-040C 730.65	543G-040C 869.53	1	4	290
6	542G-060C 1530.43	543G-060C 1809.37	1	0	290
8	542G-080C 2268.66	543G-080C 2767.28	1	0	290
10	542G-100C 5630.49	543G-100C 6346.32	1	0	290
12	542G-120C 9384.97	543G-120C 10305.68	1	0	290

Schedule 80 CPVC Industrial Products & Accessories Industrial Swing Check Valves



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4"

Pressure Rating @ 73°F (23°C), Water
 3/4" - 4" 150 psi
 6" 100 psi
 8" 70 psi
 Maximum Service Temperature
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply
 All Valves Assembled with Silicone-Free Lubricants



Bolted Bonnet on Sizes 1-1/2" & Up
(Valve Shown with Arrow Indicator Option)

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec.

Industrial Swing Check Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
CPVC					
3/4	4423-007C 735.31	4433-007C 817.12	1	12	109
1	4423-010C 847.90	4433-010C 942.81	1	4	109
1-1/4	4423-012C 1060.66	4433-012C 1177.96	1	0	109
1-1/2	4423-015C 1094.29	4433-015C 1487.23	1	0	109
2	4423-020C 1411.12	4433-020C 1567.90	1	0	109
2-1/2	4423-025C 2338.50	4433-025C 2775.04	1	0	111
3	4423-030C 2921.12	4433-030C 3143.09	1	0	111
4	4423-040C 3351.87	4433-040C 3952.95	1	0	111
6	4423-060C 6859.63	4433-060C 7512.69	1	0	111
8	4423-080C 12239.94	4433-080C 14313.41	1	0	111

Swing Check Valve With Counter Balance (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
CPVC					
1-1/4	4423CB-012C 1055.53	4433CB-012C 1449.86	1	0	109
1-1/2	4423CB-015C 1449.86	4433CB-015C 1676.63	1	0	109
2	4423CB-020C 1884.47	4433CB-020C 2041.28	1	0	109
2-1/2	4423CB-025C 2844.47	4433CB-025C 3281.09	1	0	111
3	4423CB-030C 3079.35	4433CB-030C 4079.57	1	0	111
4	4423CB-040C 3810.22	4433CB-040C 4482.88	1	0	111
6	4423CB-060C 7465.49	4433CB-060C 8118.51	1	0	111
8	4423CB-080C 12856.35	4433CB-080C 14929.69	1	0	111

Swing Check Valve With Arrow Indicator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
CPVC					
3/4	4423I-007C 743.43	4433I-007C 824.74	1	12	109
1	4423I-010C 855.56	4433I-010C 951.99	1	4	109
1-1/4	4423I-012C 1055.53	4433I-012C 1188.68	1	0	109
1-1/2	4423I-015C 1214.04	4433I-015C 1188.68	1	0	109
2	4423I-020C 1422.15	4433I-020C 1608.88	1	0	109
2-1/2	4423I-025C 2346.45	4433I-025C 2814.29	1	0	111
3	4423I-030C 2518.23	4433I-030C 2814.29	1	0	111
4	4423I-040C 3374.18	4433I-040C 3976.31	1	0	111
6	4423I-060C 6961.49	4433I-060C 7520.82	1	0	111
8	4423I-080C 12253.09	4433I-080C 14358.67	1	0	111

Swing Check Valve With Counter Balance

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
CPVC					
3/4	4423CB-007C 1141.26	4433CB-007C 1244.12	1	12	109
1	4423CB-010C 1238.30	4433CB-010C 1345.86	1	4	109



Schedule 80 CPVC Industrial Products & Accessories Diaphragm Check Valves



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 100 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Santoprene™ TPE Seat

CPVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6562-007C	3/4	15	0	004	111.15

CPVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6561-007C	3/4	15	0	004	111.15

General Installation Information: Diaphragm Check Valves have "normally closed" operation with 1 - 1-1/2 psi opening pressure and can be mounted in any position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Flow velocity should not exceed 5 ft./sec.

Schedule 80 CPVC Industrial Products & Accessories Gate Valves



1/2" - 2" Socket/Threaded Style



2-1/2" - 3" Socket Style



4" Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 200 psi
 2-1/2" - 3" 150 psi
 4" 235 psi
 Flanged 150 psi
 Maximum Service Temperature
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply

CPVC Gate-Wedge on CPVC Valve
 All Valves Assembled with Silicone-Free,
 Water Soluble Lubricant

CPVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends						
1/2	2011-005C 67.26	2021-005C 74.70	2031-005C 82.21	12	0	202
3/4	2011-007C 72.73	2021-007C 80.79	2031-007C 88.88	12	0	202
1	2011-010C 79.72	2021-010C 88.59	2031-010C 97.41	12	0	202
1-1/4	2011-012C 140.02	2021-012C 155.60	2031-012C 171.16	6	0	202
1-1/2	2011-015C 153.05	2021-015C 170.53	2031-015C 187.60	6	0	202
2	2011-020C 177.07	2021-020C 196.71	2031-020C 216.38	6	0	202
2-1/2	2011-025C 659.34	2021-025C 711.49	2031-025C 772.59	1	0	203

SR Threaded Ends

3	2011-030CSR 885.28	2021-030CSR 983.37	2031-030CSR 1092.65	1	0	203
4	2011-040CSR 1593.47	2021-040CSR 1770.50	2031-040CSR 1967.22	1	0	203

Socket Ends

1/2	2012-005C 67.26	2022-005C 74.70	2032-005C 82.21	12	0	202
3/4	2012-007C 72.73	2022-007C 80.79	2032-007C 88.88	12	0	202
1	2012-010C 79.72	2022-010C 88.59	2032-010C 97.41	12	0	202
1-1/4	2012-012C 140.02	2022-012C 155.60	2032-012C 171.16	6	0	202
1-1/2	2012-015C 153.05	2022-015C 170.53	2032-015C 187.60	6	0	202
2	2012-020C 177.07	2022-020C 196.71	2032-020C 216.38	6	0	202
2-1/2	2012-025C 659.34	2022-025C 711.49	2032-025C 772.59	1	0	203
3	2012-030C 885.28	2022-030C 983.37	2032-030C 1092.65	1	0	203
4	2012-040C 1593.47	2022-040C 1770.50	2032-040C 1967.22	1	0	203

Flanged Ends

1/2	2013-005C 301.37	2023-005C 334.81	2033-005C 368.26	4	0	202
3/4	2013-007C 325.82	2023-007C 361.98	2033-007C 398.19	4	0	202
1	2013-010C 357.07	2023-010C 396.82	2033-010C 436.49	4	0	202
1-1/4	2013-012C 482.93	2023-012C 536.82	2033-012C 590.50	3	0	202
1-1/2	2013-015C 527.48	2023-015C 588.37	2033-015C 647.13	3	0	202

CPVC (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends						
2	2013-020C 610.82	2023-020C 678.67	2033-020C 746.56	2	0	202
2-1/2	2013-025C 798.07	2023-025C 1054.63	2033-025C 1183.10	1	0	203
3	2013-030C 1106.57	2023-030C 1229.53	2033-030C 1366.16	1	0	203
4	2013-040C 1991.84	2023-040C 2213.15	2033-040C 2459.07	1	0	203



Schedule 80 CPVC Industrial Products & Accessories Plug Gate Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 Flanged 150 psi
 Maximum Service Temperature
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply
 Plug-Style PE Wedge on All Valves
 Rated for Vacuum Service
 All Valves Assembled with Silicone-Free,
 Water Soluble Lubricants

CPVC Socket Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5212-005C 67.26	5222-005C 74.70	5232-005C 82.21	12	0	202
3/4	5212-007C 72.73	5222-007C 80.79	5232-007C 88.88	12	0	202
1	5212-010C 79.72	5222-010C 88.59	5232-010C 97.41	12	0	202
1-1/4	5212-012C 140.02	5222-012C 155.60	5232-012C 171.16	6	0	202
1-1/2	5212-015C 153.05	5222-015C 170.53	5232-015C 187.60	6	0	202
2	5212-020C 177.07	5222-020C 196.71	5232-020C 216.38	6	0	202

CPVC SR Threaded Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5211-005CSR 69.86	5221-005CSR 77.31	5231-005CSR 84.81	12	0	202
3/4	5211-007CSR 76.47	5221-007CSR 84.53	5231-007CSR 92.65	12	0	202
1	5211-010CSR 84.90	5221-010CSR 93.74	5231-010CSR 102.61	12	0	202
1-1/4	5211-012CSR 148.30	5221-012CSR 163.88	5231-012CSR 179.47	6	0	202
1-1/2	5211-015CSR 161.36	5221-015CSR 178.80	5231-015CSR 195.87	6	0	202
2	5211-020CSR 192.50	5221-020CSR 212.13	5231-020CSR 231.80	6	0	202

CPVC Flanged Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5213-005C 301.37	5223-005C 334.81	5233-005C 368.26	4	0	202
3/4	5213-007C 325.82	5223-007C 361.98	5233-007C 398.19	4	0	202
1	5213-010C 357.07	5223-010C 396.82	5233-010C 436.49	4	0	202
1-1/4	5213-012C 482.93	5223-012C 536.82	5233-012C 589.89	3	0	202
1-1/2	5213-015C 527.48	5223-015C 588.37	5233-015C 647.13	3	0	202
2	5213-020C 610.82	5223-020C 678.67	5233-020C 746.56	2	0	202
6	---	5223-060C 2839.04	5233-060C 3699.15	1	0	203

Schedule 80 CPVC Industrial Products & Accessories Butterfly Valves



Lever Handle Style

Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
See Butterfly Valve Accessories & Repair Kits Section for
Additional Options and Features



Gear Operator Style

CPVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	-----------	------------	--------------

Lever Handle

1-1/2	721311-015C 356.16	722311-015C 356.16	723311-015C 720.84	1	0	252
2	721311-020C 379.60	722311-020C 379.60	723311-020C 744.30	1	0	252
2-1/2	721311-025C 403.09	722311-025C 403.09	723311-025C 808.28	1	0	252
3	721311-030C 439.33	722311-030C 439.33	723311-030C 865.84	1	0	252
4	721311-040C 507.59	722311-040C 507.59	723311-040C 1083.37	1	0	252
6	721311-060C 750.70	722311-060C 750.70	723311-060C 1731.73	1	0	252
8	721311-080C 1275.31	722311-080C 1275.31	723311-080C 2930.26	1	0	252

Gear Operator

1-1/2	721321-015C 885.63	722321-015C 885.63	723321-015C 1209.41	1	0	252
2	721321-020C 915.46	722321-020C 915.46	723321-020C 1246.83	1	0	252
2-1/2	721321-025C 929.86	722321-025C 929.86	723321-025C 1310.23	1	0	252
3	721321-030C 942.62	722321-030C 942.62	723321-030C 1369.16	1	0	252
4	721321-040C 1010.87	722321-040C 1010.87	723321-040C 1586.69	1	0	252
6	721321-060C 1258.26	722321-060C 1258.26	723321-060C 2235.01	1	0	252
8	721321-080C 1778.60	722321-080C 1778.60	723321-080C 3433.56	1	0	252
10	721321-100C 2490.91	722321-100C 2490.91	723321-100C 6363.76	1	0	252
12	721321-120C 3518.83	722321-120C 3518.83	723321-120C 8272.46	1	0	252

Valve Only

1-1/2	721301-015C 332.69	722301-015C 332.69	723301-015C 669.67	1	0	252
2	721301-020C 356.16	722301-020C 356.16	723301-020C 684.56	1	0	252
2-1/2	721301-025C 371.07	722301-025C 371.07	723301-025C 714.44	1	0	252
3	721301-030C 400.95	722301-030C 400.95	723301-030C 780.54	1	0	252
4	721301-040C 464.91	722301-040C 464.91	723301-040C 985.31	1	0	252
6	721301-060C 699.49	722301-060C 699.49	723301-060C 1590.93	1	0	252
8	721301-080C 1211.31	722301-080C 1211.31	723301-080C 2687.17	1	0	252
10	721301-100C 2422.68	722301-100C 2422.68	723301-100C 5387.04	1	0	252
12	721301-120C 3147.76	722301-120C 3147.76	723301-120C 7001.44	1	0	252



Schedule 80 CPVC Industrial Products & Accessories Lug Insert Butterfly Valves



Spears® Standard Butterfly Valve
with Lug Inserts Factory Assembled

Note: Lug (insert) Valves require attention to flow direction for dead-end service. Flange must be installed on side of valve opposite the hex nut recesses for Single-Side installation. See "True Lug Butterfly Valves," where dead-end service is required in either direction.

Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply



CPVC - Zinc-Plated Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311K-015C 553.01	722311K-015C 553.01	723311K-015C 770.71	1	0	252
2	721311K-020C 569.26	722311K-020C 569.26	723311K-020C 788.29	1	0	252
2-1/2	721311K-025C 577.36	722311K-025C 577.36	723311K-025C 807.23	1	0	252
3	721311K-030C 586.83	722311K-030C 586.83	723311K-030C 828.86	1	0	252
4	721311K-040C 1011.39	722311K-040C 1011.39	723311K-040C 1339.96	1	0	252
6	721311K-060C 1353.48	722311K-060C 1353.48	723311K-060C 1888.94	1	0	252
8	721311K-080C 1669.88	722311K-080C 1669.88	723311K-080C 2755.65	1	0	252

Gear Operator

1-1/2	721321K-015C 1089.83	722321K-015C 1089.83	723321K-015C 1350.77	1	0	252
2	721321K-020C 1110.11	722321K-020C 1110.11	723321K-020C 1380.52	1	0	252
2-1/2	721321K-025C 1124.97	722321K-025C 1124.97	723321K-025C 1402.15	1	0	252
3	721321K-030C 1133.10	722321K-030C 1133.10	723321K-030C 1437.31	1	0	252
4	721321K-040C 1684.74	722321K-040C 1684.74	723321K-040C 2074.16	1	0	252
6	721321K-060C 2055.24	722321K-060C 2055.24	723321K-060C 2759.70	1	0	252
8	721321K-080C 2414.90	722321K-080C 2414.90	723321K-080C 3788.67	1	0	252
10	721321K-100C 4244.34	722321K-100C 4244.34	723321K-100C 6806.62	1	0	252
12	721321K-120C 4882.55	722321K-120C 4882.55	723321K-120C 7469.17	1	0	252

Valve Only

1-1/2	721301K-015C 528.68	722301K-015C 528.68	723301K-015C 759.89	1	0	252
2	721301K-020C 547.62	722301K-020C 547.62	723301K-020C 777.48	1	0	252
2-1/2	721301K-025C 554.37	722301K-025C 554.37	723301K-025C 795.05	1	0	252
3	721301K-030C 562.48	722301K-030C 562.48	723301K-030C 804.51	1	0	252
4	721301K-040C 964.07	722301K-040C 964.07	723301K-040C 1308.86	1	0	252
6	721301K-060C 1337.26	722301K-060C 1337.26	723301K-060C 1875.40	1	0	252
8	721301K-080C 1636.07	722301K-080C 1636.07	723301K-080C 2944.96	1	0	252
10	721301K-100C 3337.05	722301K-100C 3337.05	723301K-100C 5604.59	1	0	252
12	721301K-120C 3849.51	722301K-120C 3849.51	723301K-120C 7302.86	1	0	252

CPVC - SS Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311G-015C 659.83	722311G-015C 659.83	723311G-015C 930.27	1	0	252
2	721311G-020C 667.95	722311G-020C 667.95	723311G-020C 942.43	1	0	252
2-1/2	721311G-025C 677.43	722311G-025C 677.43	723311G-025C 966.78	1	0	252
3	721311G-030C 690.94	722311G-030C 690.94	723311G-030C 976.23	1	0	252
4	721311G-040C 1234.50	722311G-040C 1234.50	723311G-040C 1581.98	1	0	252
6	721311G-060C 1611.73	722311G-060C 1611.73	723311G-060C 2281.04	1	0	252
8	721311G-080C 1997.10	722311G-080C 1997.10	723311G-080C 3268.10	1	0	252

Gear Operator

1-1/2	721321G-015C 1310.22	722321G-015C 1310.22	723321G-015C 1623.91	1	0	252
2	721321G-020C 1319.68	722321G-020C 1319.68	723321G-020C 1642.84	1	0	252
2-1/2	721321G-025C 1325.07	722321G-025C 1325.07	723321G-025C 1660.41	1	0	252
3	721321G-030C 1348.07	722321G-030C 1348.07	723321G-030C 1749.66	1	0	252
4	721321G-040C 1941.67	722321G-040C 1941.67	723321G-040C 2436.53	1	0	252
6	721321G-060C 1587.40	722321G-060C 2398.69	723321G-060C 3251.88	1	0	252
8	721321G-080C 2773.22	722321G-080C 2773.22	723321G-080C 4384.97	1	0	252
10	721321G-100C 5005.60	722321G-100C 5005.60	723321G-100C 8104.67	1	0	252
12	721321G-120C 5784.41	722321G-120C 5784.41	723321G-120C 9976.02	1	0	252

Valve Only

1-1/2	721301G-015C 624.68	722301G-015C 624.68	723301G-015C 908.64	1	0	252
2	721301G-020C 642.26	722301G-020C 642.26	723301G-020C 916.73	1	0	252
2-1/2	721301G-025C 649.03	722301G-025C 649.03	723301G-025C 945.14	1	0	252
3	721301G-030C 662.54	722301G-030C 662.54	723301G-030C 954.61	1	0	252
4	721301G-040C 1199.33	722301G-040C 1199.33	723301G-040C 1538.72	1	0	252
6	721301G-060C 1564.41	722301G-060C 1564.41	723301G-060C 2199.90	1	0	252
8	721301G-080C 1945.71	722301G-080C 1945.71	723301G-080C 3238.35	1	0	252
10	721301G-100C 3946.87	722301G-100C 3946.87	723301G-100C 6233.33	1	0	252
12	721301G-120C 4537.76	722301G-120C 4537.76	723301G-120C 7673.35	1	0	252

Schedule 80 CPVC Industrial Products & Accessories True Lug Butterfly Valves



Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
See Butterfly Valve Accessories & Repair Kits
Section for Additional Options and Features

CPVC - Zinc-Plated Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Lever Handle

1-1/2	721311Z-015C 789.90	722311Z-015C 789.90	723311Z-015C 1102.56	1	0	252
2	721311Z-020C 812.47	722311Z-020C 812.47	723311Z-020C 1126.82	1	0	252
2-1/2	721311Z-025C 822.35	722311Z-025C 822.35	723311Z-025C 1155.10	1	0	252
3	721311Z-030C 839.64	722311Z-030C 839.64	723311Z-030C 1184.39	1	0	252
4	721311Z-040C 1445.18	722311Z-040C 1445.18	723311Z-040C 1914.13	1	0	252
6	721311Z-060C 1934.01	722311Z-060C 1934.01	723311Z-060C 2700.32	1	0	252
8	721311Z-080C 2387.26	722311Z-080C 2387.26	723311Z-080C 3938.51	1	0	252

Gear Operator

1-1/2	721321Z-015C 1283.59	722321Z-015C 1283.59	723321Z-015C 1591.30	1	0	252
2	721321Z-020C 1306.96	722321Z-020C 1306.96	723321Z-020C 1623.44	1	0	252
2-1/2	721321Z-025C 1322.89	722321Z-025C 1322.89	723321Z-025C 1650.24	1	0	252
3	721321Z-030C 1331.91	722321Z-030C 1331.91	723321Z-030C 1691.61	1	0	252
4	721321Z-040C 1982.98	722321Z-040C 1982.98	723321Z-040C 2441.81	1	0	252
6	721321Z-060C 2420.14	722321Z-060C 2420.14	723321Z-060C 3247.93	1	0	252
8	721321Z-080C 2843.30	722321Z-080C 2843.30	723321Z-080C 4458.44	1	0	252
10	721321Z-100C 4921.14	722321Z-100C 4921.14	723321Z-100C 8009.65	1	0	252
12	721321Z-120C 5745.40	722321Z-120C 5745.40	723321Z-120C 8788.24	1	0	252

Valve Only

1-1/2	721301Z-015C 756.98	722301Z-015C 756.98	723301Z-015C 1086.12	1	0	252
2	721301Z-020C 783.04	722301Z-020C 783.04	723301Z-020C 1112.17	1	0	252
2-1/2	721301Z-025C 791.38	722301Z-025C 791.38	723301Z-025C 1137.83	1	0	252
3	721301Z-030C 801.96	722301Z-030C 801.96	723301Z-030C 1150.52	1	0	252
4	721301Z-040C 1376.21	722301Z-040C 1376.21	723301Z-040C 1872.04	1	0	252
6	721301Z-060C 1912.10	722301Z-060C 1912.10	723301Z-060C 2680.28	1	0	252
8	721301Z-080C 2338.90	722301Z-080C 2338.90	723301Z-080C 3848.19	1	0	252
10	721301Z-100C 4769.84	722301Z-100C 4769.84	723301Z-100C 7648.03	1	0	252
12	721301Z-120C 5499.94	722301Z-120C 5499.94	723301Z-120C 8279.01	1	0	252

CPVC - Stainless Steel Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Lever Handle

1-1/2	721311L-015C 943.90	722311L-015C 943.90	723311L-015C 1330.81	1	0	252
2	721311L-020C 954.78	722311L-020C 954.78	723311L-020C 1347.97	1	0	252
2-1/2	721311L-025C 969.13	722311L-025C 969.13	723311L-025C 1380.90	1	0	252
3	721311L-030C 986.98	722311L-030C 986.98	723311L-030C 1395.70	1	0	252
4	721311L-040C 1764.89	722311L-040C 1764.89	723311L-040C 2261.61	1	0	252
6	721311L-060C 2305.35	722311L-060C 2305.35	723311L-060C 3259.19	1	0	252
8	721311L-080C 2855.17	722311L-080C 2855.17	723311L-080C 4670.06	1	0	252

Gear Operator

1-1/2	721321L-015C 1543.27	722321L-015C 1543.27	723321L-015C 1912.21	1	0	252
2	721321L-020C 1554.44	722321L-020C 1554.44	723321L-020C 1934.59	1	0	252
2-1/2	721321L-025C 1561.33	722321L-025C 1561.33	723321L-025C 1953.91	1	0	252
3	721321L-030C 1587.33	722321L-030C 1587.33	723321L-030C 2060.35	1	0	252
4	721321L-040C 2286.10	722321L-040C 2286.10	723321L-040C 2867.37	1	0	252
6	721321L-060C 2824.56	722321L-060C 2824.56	723321L-060C 3827.07	1	0	252
8	721321L-080C 3264.82	722321L-080C 3264.82	723321L-080C 5161.01	1	0	252
10	721321L-100C 5890.03	722321L-100C 5890.03	723321L-100C 9536.36	1	0	252
12	721321L-120C 6809.32	722321L-120C 6809.32	723321L-120C 11737.96	1	0	252

Valve Only

1-1/2	721301L-015C 892.91	722301L-015C 892.91	723301L-015C 1300.03	1	0	252
2	721301L-020C 918.38	722301L-020C 918.38	723301L-020C 1309.98	1	0	252
2-1/2	721301L-025C 928.02	722301L-025C 928.02	723301L-025C 1351.49	1	0	252
3	721301L-030C 946.91	722301L-030C 946.91	723301L-030C 1364.20	1	0	252
4	721301L-040C 1713.94	722301L-040C 1713.94	723301L-040C 2200.35	1	0	252
6	721301L-060C 2235.96	722301L-060C 2235.96	723301L-060C 3144.46	1	0	252
8	721301L-080C 2780.81	722301L-080C 2780.81	723301L-080C 4448.03	1	0	252
10	721301L-100C 5640.38	722301L-100C 5640.38	723301L-100C 8905.26	1	0	252
12	721301L-120C 6484.05	722301L-120C 6484.05	723301L-120C 10963.79	1	0	252



Schedule 80 CPVC Industrial Products & Accessories Large Diameter Butterfly Valves & Wafer Butterfly Valves

Large Diameter Butterfly Valves



Maximum Service Temperature
CPVC = 200°F (93°C)
PP = 180°F (82°C)
Temperature/Pressure De-ratings Apply
Contact Spears® for Custom Produced Valve Sizes 30" to 60"

Pressure Rating @ 73°F (23°C), Water

Size	Psi
14	100
16	85
18	70
20	50
24	50



CPVC - Gear Operator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
14	722321-140C 7881.51	723321-140C 19152.79	1	0	253

Polypropylene - Gear Operator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	722321-160P 23639.20	723321-160P 25605.47	1	0	257

Polypropylene - Gear Operator (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
18	722321-180P 26039.51	723321-180P 29834.86	1	0	257
20	722321-200P 29215.80	723321-200P 35512.53	1	0	257
24	722321-240P 33092.72	723321-240P 47739.89	1	0	257

Wafer Butterfly Valves



Pressure Rating @ 73°F (23°C), Water
150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply

Wafer Butterfly Valve laying lengths will directly replace common Cast Iron valves
(matches Keystone Model 228 and Bray Series 30 Butterfly Valves).



Lever Handle

Gear Operator

IMPORTANT NOTE

All PVC and CPVC valves have built-in Santoprene™ Thermoplastic Elastomer (TPE) Flange Gaskets for use with choice of Buna-N, EPDM, or Viton® Seats on PVC valves and choice of EPDM or Viton® Seats on CPVC valves.

CPVC

Size	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
2	752311-020C 379.60	753311-020C 744.30	1	0	252
2-1/2	752311-025C 403.09	753311-025C 808.28	1	0	252
3	752311-030C 439.33	753311-030C 865.84	1	0	252
4	752311-040C 507.59	753311-040C 1083.37	1	0	252
6	752311-060C 750.70	753311-060C 1731.73	1	0	252
8	752311-080C 1275.31	753311-080C 2930.26	1	0	252

Gear Operator

2	752321-020C 915.46	753321-020C 1246.83	1	0	252
2-1/2	752321-025C 929.20	753321-025C 1310.23	1	0	252
3	752321-030C 942.62	753321-030C 1369.16	1	0	252
4	752321-040C 1010.87	753321-040C 1586.69	1	0	252
6	752321-060C 1258.26	753321-060C 2235.01	1	0	252

CPVC (continued)

Size	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
8	752321-080C 1778.60	753321-080C 3433.56	1	0	252
Gear Operator					
2	752301-020C 356.16	753301-020C 684.56	1	0	252
2-1/2	752301-025C 371.07	753301-025C 714.44	1	0	252
3	752301-030C 400.95	753301-030C 780.54	1	0	252
4	752301-040C 464.91	753301-040C 985.31	1	0	252
6	752301-060C 699.49	753301-060C 1590.93	1	0	252
8	752301-080C 1211.31	753301-080C 2687.17	1	0	252

Schedule 80 CPVC Industrial Products & Accessories Globe Valves & Needle Valves



Globe Valves



Pressure Rating @ 73°F (23°C), Water
2-1/2" - 6" 150 psi
Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
All Valves Assembled with Silicone-Free,
Water Soluble Lubricant
Suitable for Vacuum Service

Internal Repair Kit includes 1-Bonnet O-ring along with a factory assembled (required) internal component replacement unit consisting of Bonnet assembled with Stem/O-rings, Seat & Seal Carrier components. Install in valve using existing valve Bolts/Nuts/Washers, and Handle/Nut.

CPVC Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	6023-025C 927.20	6033-025C 973.79	1	0	622
3	6023-030C 973.34	6033-030C 1082.02	1	0	622
4	6023-040C 1264.14	6033-040C 1389.64	1	0	622
6	6023-060C 1968.31	6033-060C 1984.96	1	0	622

CPVC Internal Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	GL-ERK-025C 654.71	GL-VRK-025C 727.47	1	0	299
3	GL-ERK-030C 748.96	GL-VRK-030C 822.46	1	0	299
4	GL-ERK-040C 849.24	GL-VRK-040C 934.62	1	0	299
6	GL-ERK-060C 1212.97	GL-VRK-060C 1334.74	1	0	299

Needle Valves



Pressure Rating @ 73°F (23°C), Water
CPVC 235 psi
Maximum Service Temperature
CPVC = 200°F (82°C)
Solid PTFE Stem Seals
No Elastomer or Lubricants used
Valves include Panel Mounting Nut

CPVC Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
------	----------	--------	-------------	--------	---------	-----------

Globe Pattern

1/4	5591-002C 79.74	5592-002C 79.74	---	1	18	219
3/8	5591-003C 79.74	5592-003C 79.74	---	1	18	219
1/2	5591-005C 84.33	5592-005C 84.33	5591-005CSR 86.49	1	18	219

Angle Pattern

1/4	5691-002C 79.74	5692-002C 79.74	---	1	18	219
3/8	5691-003C 79.74	5692-003C 79.74	---	1	18	219
1/2	5691-005C 84.33	5692-005C 84.33	5691-005CSR 86.49	1	18	219



Schedule 80 CPVC Industrial Products & Accessories Diaphragm Valves



Socket/Threaded Style



Flanged Style



Spigot Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
1/2" - 4" Flanged
& Valves w/PTFE
Diaphragms 150 psi
6" 100 psi
8" 75 psi

Maximum Service Temperature
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
No Lubricants in Media Contact Area
See Diaphragm Valve Repair Kits Section
for Additional Options and Features

Contact Spears® for Pricing on
Additional Specialty Diaphragms

- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings
(for True Union Style Valves)

CPVC - Socket Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2729-005C 232.39	2739-005C 297.83	2729T-005C 334.05	2739T-005C 359.62	2739VT-005C 397.76	1	12	272
3/4	2729-007C 258.64	2739-007C 317.54	2729T-007C 368.93	2739T-007C 385.63	2739VT-007C 426.53	1	8	272
1	2729-010C 298.51	2739-010C 386.12	2729T-010C 448.55	2739T-010C 467.90	2739VT-010C 513.88	1	8	272
1-1/4	2729-012C 448.36	2739-012C 533.47	2729T-012C 619.02	2739T-012C 640.91	2739VT-012C 697.17	1	4	272
1-1/2	2729-015C 461.63	2739-015C 540.04	2729T-015C 628.63	2739T-015C 664.96	2739VT-015C 718.56	1	4	272
2	2729-020C 491.70	2739-020C 616.34	2729T-020C 691.28	2739T-020C 766.02	2739VT-020C 847.27	1	0	272

CPVC - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2721-005CSR 232.39	2731-005CSR 297.83	2721T-005CSR 334.05	2731T-005CSR 359.62	2731VT-005CSR 397.76	1	12	272
3/4	2721-007CSR 258.64	2731-007CSR 317.54	2721T-007CSR 368.93	2731T-007CSR 385.63	2731VT-007CSR 426.53	1	8	272
1	2721-010CSR 298.51	2731-010CSR 386.12	2721T-010CSR 448.55	2731T-010CSR 467.90	2731VT-010CSR 513.88	1	8	272
1-1/4	2721-012CSR 448.36	2731-012CSR 533.47	2721T-012CSR 619.02	2731T-012CSR 640.91	2731VT-012CSR 697.17	1	4	272
1-1/2	2721-015CSR 461.63	2731-015CSR 540.04	2721T-015CSR 628.63	2731T-015CSR 664.96	2731VT-015CSR 718.56	1	4	272
2	2721-020CSR 491.70	2731-020CSR 616.34	2721T-020CSR 691.28	2731T-020CSR 766.02	2731VT-020CSR 847.27	1	0	272

CPVC - Spigot Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2727-005C 226.54	2737-005C 288.47	2797T-005C 324.63	2797VT-005C 362.63	1	12	272
3/4	2727-007C 251.47	2737-007C 307.69	2797T-007C 357.78	2797VT-007C 395.79	1	8	272
1	2727-010C 292.12	2737-010C 375.32	2797T-010C 437.19	2797VT-010C 481.81	1	8	272
1-1/4	2727-012C 437.04	2737-012C 518.85	2797T-012C 602.41	2797VT-012C 667.43	1	4	272
1-1/2	2727-015C 446.77	2737-015C 524.27	2797T-015C 612.82	2797VT-015C 678.18	1	4	272
2	2727-020C 479.30	2737-020C 600.52	2797T-020C 673.69	2797VT-020C 744.67	1	0	272

CPVC - Flanged Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2723-005C 280.98	2733-005C 310.30	2793T-005C 405.03	2793VT-005C 449.23	4	0	272
3/4	2723-007C 314.17	2733-007C 347.01	2793T-007C 433.04	2793VT-007C 479.03	4	0	272
1	2723-010C 386.86	2733-010C 432.62	2793T-010C 532.13	2793VT-010C 590.23	4	0	272
1-1/4	2723-012C 494.27	2733-012C 566.24	2793T-012C 671.71	2793VT-012C 742.51	1	4	272
1-1/2	2723-015C 500.83	2733-015C 580.17	2793T-015C 802.37	2793VT-015C 883.81	1	4	272

Schedule 80 CPVC Industrial Products & Accessories
Diaphragm Valves



CPVC - Flanged Ends (continued)

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
2	2723-020C 560.91	2733-020C 629.06	2793T-020C 891.54	2793VT-020C 990.14	1	0	272
2-1/2	2723-025C 1018.93	2733-025C 1137.95	2793T-025C 1759.59	2793VT-025C 2081.02	1	0	273
3	2723-030C 1537.84	2733-030C 1708.70	2793T-030C 2314.74	2793VT-030C 2559.87	1	0	273
4	2723-040C 2111.91	2733-040C 2346.07	2793T-040C 3076.83	2793VT-040C 3282.69	1	0	273
6	2723-060C 3865.85	2733-060C 5543.20	2793T-060C 6765.99	2793VT-060C 8816.48	1	0	273
8	2723-080C 7727.12	2733-080C 9978.37	2793T-080C 10090.10	2793VT-080C 11210.35	1	0	273



Schedule 80 CPVC Industrial Products & Accessories Y-Pattern Valves



Socket Style



True Union Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi
 Maximum Service Temperature
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005C 111.71	1732-005C 117.85	1	12	622
3/4	1722-007C 131.62	1732-007C 140.80	1	8	622
1	1722-010C 157.63	1732-010C 168.36	1	8	622
1-1/4	1722-012C 194.36	1732-012C 206.61	1	4	622
1-1/2	1722-015C 257.12	1732-015C 272.40	1	0	622
2	1722-020C 364.23	1732-020C 388.72	2	0	622
3	1722-030C 780.52	1732-030C 847.86	1	0	622
4	1722-040C 1323.81	1732-040C 1441.65	1	0	622

CPVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005C 131.62	173A-005C 139.27	1	8	622
3/4	172A-007C 154.57	173A-007C 165.28	1	8	622
1	172A-010C 185.18	173A-010C 197.41	1	4	622
1-1/4	172A-012C 228.03	173A-012C 243.34	2	0	622
1-1/2	172A-015C 303.03	173A-015C 319.86	2	0	622
2	172A-020C 428.52	173A-020C 457.60	1	0	622
3	172A-030C 918.27	173A-030C 997.85	1	0	622
4	172A-040C 1556.45	173A-040C 1695.72	1	0	622

CPVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005CSR 114.78	1731-005CSR 122.45	1	8	622
3/4	1721-007CSR 136.21	1731-007CSR 145.39	1	8	622
1	1721-010CSR 165.28	1731-010CSR 168.36	1	8	622
1-1/4	1721-012CSR 202.02	1731-012CSR 217.33	1	0	622
1-1/2	1721-015CSR 277.00	1731-015CSR 292.32	1	0	622
2	1721-020CSR 387.19	1731-020CSR 408.64	1	0	622
3	1721-030CSR 837.14	1731-030CSR 906.00	1	0	622
4	1721-040CSR 1319.22	1731-040CSR 1501.36	1	0	622

CPVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005C 131.62	173B-005C 139.27	1	8	622
3/4	172B-007C 154.57	173B-007C 165.28	1	8	622
1	172B-010C 185.18	173B-010C 197.41	1	4	622
1-1/4	172B-012C 228.03	173B-012C 243.34	2	0	622
1-1/2	172B-015C 303.03	173B-015C 319.86	2	0	622
2	172B-020C 428.52	173B-020C 457.60	1	0	622
3	172B-030C 918.27	173B-030C 997.85	1	0	622
4	172B-040C 1556.45	173B-040C 1695.72	1	0	622

CPVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005C 183.65	1733-005C 189.77	1	8	622
3/4	1723-007C 209.67	1733-007C 218.84	1	8	622
1	1723-010C 254.04	1733-010C 264.76	1	4	622
1-1/4	1723-012C 304.55	1733-012C 315.28	1	0	622
1-1/2	1723-015C 411.69	1733-015C 426.99	1	0	622
2	1723-020C 524.94	1733-020C 549.43	1	0	622
3	1723-030C 1010.09	1733-030C 1078.95	1	0	622
4	1723-040C 1639.07	1733-040C 1743.16	1	0	622

CPVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CSR 134.68	173B-005CSR 143.86	1	8	622
3/4	172B-007CSR 160.68	173B-007CSR 171.41	1	8	622
1	172B-010CSR 194.36	173B-010CSR 197.41	1	4	622
1-1/4	172B-012CSR 237.22	173B-012CSR 255.57	1	0	622
1-1/2	172B-015CSR 325.97	173B-015CSR 344.35	1	0	622
2	172B-020CSR 456.06	173B-020CSR 480.54	1	0	622
3	172B-030CSR 984.06	173B-030CSR 1065.19	1	0	622
4	172B-040CSR 1551.85	173B-040CSR 1766.11	1	0	622

Schedule 80 CPVC Industrial Products & Accessories In-line Tee-Style Filters



Socket/Spigot

All Filters are 2-1/2"x 2-1/2"
Inlet/Outlet Connection

Note: 2-1/2" Socket is also a 3" Spigot

Pressure Rating @ 73°F (23°C), Water
200 psi

Mesh Size Codes

Mesh Size	Size Code
1/16" Holes	16
1/32" Holes	32
50 Mesh	50
76 Mesh	76
100 Mesh	100
150 Mesh	150
200 Mesh	200

Note: Standard flow filtration path is internal to external. Reverse-flow filtration flows from external to internal side of filter screen.

100 GPM CPVC Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	TF2-16C 887.64	TF3-16C 953.60	1	0	296
32	TF2-32C 907.54	TF3-32C 975.19	1	0	296
50	TF2-50C 1028.76	TF3-50C 1104.96	1	0	296
76	TF2-76C 1242.39	TF3-76C 1335.00	1	0	296
100	TF2-100C 1129.29	TF3-100C 1213.32	1	0	296
150	TF2-150C 1169.69	TF3-150C 1256.78	1	0	296
200	TF2-200C 1270.72	TF3-200C 1365.13	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM CPVC Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	MTF2-16C 746.23	MTF3-16C 801.63	1	0	296
32	MTF2-32C 758.33	MTF3-32C 814.80	1	0	296
50	MTF2-50C 782.50	MTF3-50C 840.67	1	0	296
76	MTF2-76C 947.80	MTF3-76C 1018.34	1	0	296
100	MTF2-100C 826.73	MTF3-100C 888.11	1	0	296
150	MTF2-150C 867.28	MTF3-150C 930.65	1	0	296
200	MTF2-200C 968.01	MTF3-200C 1040.07	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM CPVC Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	TF2-16C 887.64	TF3-16C 953.60	1	0	296
32	TF2-32C 907.54	TF3-32C 975.19	1	0	296
50	TFR2-50C 1028.76	TFR3-50C 1104.96	1	0	296
76	TFR2-76C 1242.39	TFR3-76C 1335.00	1	0	296
100	TFR2-100C 1129.29	TFR3-100C 1213.32	1	0	296
150	TFR2-150C 1169.69	TFR3-150C 1256.78	1	0	296
200	TFR2-200C 1270.72	TFR3-200C 1365.13	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

Made in the U.S.A.

50 GPM CPVC Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
16	MTF2-16C 746.23	MTF3-16C 801.63	1	0	296
32	MTF2-32C 758.33	MTF3-32C 814.80	1	0	296
50	MTFR2-50C 782.50	MTFR3-50C 840.67	1	0	296
76	MTFR2-76C 947.80	MTFR3-76C 1018.34	1	0	296
100	MTFR2-100C 826.73	MTFR3-100C 888.11	1	0	296
150	MTFR2-150C 867.28	MTFR3-150C 930.65	1	0	296
200	MTFR2-200C 968.01	MTFR3-200C 1040.07	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Filter Replacement Screens for TF Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for TF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

50 GPM Filter Replacement Screens for MTF Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34



Schedule 80 CPVC Industrial Products & Accessories
In-line Tee-Style Filters

**100 GPM Reverse Flow Filter Replacement Screens for
TFR Filters (continued)**

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FLR-200-1	200 Mesh	3	0	020	450.89

**50 GPM Reverse Flow Filter Replacement Screens for
MTFR Filters**

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

Schedule 80 CPVC Industrial Products & Accessories Y-Strainers



Socket



Flanged



SR Thread



True Union

Part numbers shown reflect a mesh size of 8. For different mesh sizes, substitute Mesh Code in part number as specified in chart below.

U.S. Standard Mesh Sieve No.	Sieve Opening Size (in.)	Part Number Mesh Code
8	0.094	8
12	0.062	12
20	0.033	20
30	0.024	30

Example: for 8 Mesh, specify

YS22C8-005C

Additional Mesh Sizes available on request.

Pressure Rating @ 73°F (23°C), Water

1/2" - 2"	150 psi
3" - 4"	90 psi

Maximum Service Temperature

CPVC = 200°F (93°C)

Temperature/Pressure
De-ratings Apply



Schedule 80 CPVC Industrial Products & Accessories Y-Strainers & True Union Y-Strainers

CPVC - Socket Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22C8-005C 220.59	YS22S8-005C 303.17	YS32C8-005C 247.02	YS32S8-005C 340.78	1	18	104
3/4	YS22C8-007C 242.37	YS22S8-007C 344.78	YS32C8-007C 272.87	YS32S8-007C 387.53	1	18	104
1	YS22C8-010C 307.98	YS22S8-010C 426.45	YS32C8-010C 346.91	YS32S8-010C 478.56	1	12	104
1-1/4	YS22C8-012C 447.09	YS22S8-012C 615.30	YS32C8-012C 538.04	YS32S8-012C 651.54	1	8	104
1-1/2	YS22C8-015C 480.24	YS22S8-015C 635.59	YS32C8-015C 558.20	YS32S8-015C 710.62	1	8	104
2	YS22C8-020C 679.96	YS22S8-020C 796.78	YS32C8-020C 718.49	YS32S8-020C 869.04	1	4	104
3	YS22C8-030C 811.12	YS22S8-030C 970.28	YS32C8-030C 855.51	YS32S8-030C 1043.76	1	0	104
4	YS22C8-040C 1404.94	YS22S8-040C 1606.94	YS32C8-040C 1510.53	YS32S8-040C 1727.84	1	0	104

CPVC - SR Threaded Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21C8-005CSR 228.62	YS21S8-005CSR 311.20	YS31C8-005CSR 255.06	YS31S8-005CSR 348.82	1	18	104
3/4	YS21C8-007CSR 250.97	YS21S8-007CSR 353.36	YS31C8-007CSR 281.46	YS31S8-007CSR 396.13	1	12	104
1	YS21C8-010CSR 327.67	YS21S8-010CSR 446.11	YS31C8-010CSR 366.61	YS31S8-010CSR 498.21	1	8	104
1-1/4	YS21C8-012CSR 467.31	YS21S8-012CSR 600.88	YS31C8-012CSR 558.27	YS31S8-012CSR 671.79	1	8	104
1-1/2	YS21C8-015CSR 503.66	YS21S8-015CSR 659.00	YS31C8-015CSR 634.34	YS31S8-015CSR 734.02	1	4	104
2	YS21C8-020CSR 713.31	YS21S8-020CSR 830.13	YS31C8-020CSR 799.53	YS31S8-020CSR 902.36	1	0	104
3	YS21C8-030CSR 852.44	YS21S8-030CSR 1011.61	YS31C8-030CSR 912.14	YS31S8-030CSR 1085.07	1	0	104
4	YS21C8-040CSR 1447.78	YS21S8-040CSR 1649.81	YS31C8-040CSR 1553.38	YS31S8-040CSR 1770.71	1	0	104

CPVC - Flanged Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23C8-005C 355.72	YS23S8-005C 436.73	YS33C8-005C 394.83	YS33S8-005C 487.23	1	8	104
3/4	YS23C8-007C 377.84	YS23S8-007C 464.59	YS33C8-007C 409.73	YS33S8-007C 518.49	1	8	104
1	YS23C8-010C 403.47	YS23S8-010C 516.20	YS33C8-010C 439.53	YS33S8-010C 575.49	1	8	104
1-1/4	YS23C8-012C 646.77	YS23S8-012C 796.18	YS33C8-012C 705.09	YS33S8-012C 886.56	1	4	104
1-1/2	YS23C8-015C 720.76	YS23S8-015C 884.65	YS33C8-015C 800.28	YS33S8-015C 986.94	1	4	104
2	YS23C8-020C 906.18	YS23S8-020C 1106.13	YS33C8-020C 994.34	YS33S8-020C 1157.39	1	0	104
3	YS23C8-030C 1238.11	YS23S8-030C 1398.82	YS33C8-030C 1235.05	YS33S8-030C 1504.41	1	0	104
4	YS23C8-040C 1981.90	YS23S8-040C 2183.91	YS33C8-040C 2131.87	YS33S8-040C 2349.21	1	0	104

CPVC - True Union Socket Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AC8-005C 232.21	YS2AS8-005C 319.13	YS3AC8-005C 260.05	YS3AS8-005C 358.71	1	12	104
3/4	YS2AC8-007C 255.13	YS2AS8-007C 362.93	YS3AC8-007C 287.23	YS3AS8-007C 407.93	1	8	104
1	YS2AC8-010C 324.19	YS2AS8-010C 448.91	YS3AC8-010C 365.18	YS3AS8-010C 503.73	1	8	104
1-1/4	YS2AC8-012C 470.62	YS2AS8-012C 647.68	YS3AC8-012C 566.34	YS3AS8-012C 686.81	1	4	104
1-1/2	YS2AC8-015C 505.52	YS2AS8-015C 669.03	YS3AC8-015C 587.61	YS3AS8-015C 748.01	1	0	104
2	YS2AC8-020C 715.74	YS2AS8-020C 838.71	YS3AC8-020C 756.31	YS3AS8-020C 914.78	1	0	104
3	YS2AC8-030C 853.80	YS2AS8-030C 1021.37	YS3AC8-030C 916.66	YS3AS8-030C 1098.68	1	0	104

Schedule 80 CPVC Industrial Products & Accessories
True Union Y-Strainers



CPVC - True Union Socket Ends (continued)

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
4	YS2AC8-040C 1478.87	YS2AS8-040C 1691.51	YS3AC8-040C 1590.04	YS3AS8-040C 1818.80	1	0	104

CPVC - True Union Threaded Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BC8-005C 232.21	YS2BS8-005C 319.13	YS3BC8-005C 260.05	YS3BS8-005C 358.71	1	12	104
3/4	YS2BC8-007C 255.13	YS2BS8-007C 362.93	YS3BC8-007C 287.23	YS3BS8-007C 407.93	1	8	104
1	YS2BC8-010C 324.19	YS2BS8-010C 448.91	YS3BC8-010C 365.18	YS3BS8-010C 503.73	1	8	104
1-1/4	YS2BC8-012C 470.62	YS2BS8-012C 647.68	YS3BC8-012C 566.34	YS3BS8-012C 685.84	1	4	104
1-1/2	YS2BC8-015C 505.52	YS2BS8-015C 669.03	YS3BC8-015C 587.61	YS3BS8-015C 748.01	1	0	104
2	YS2BC8-020C 715.74	YS2BS8-020C 838.71	YS3BC8-020C 756.31	YS3BS8-020C 914.78	1	0	104
3	YS2BC8-030C 853.80	YS2BS8-030C 1021.37	YS3BC8-030C 902.87	YS3BS8-030C 1098.68	1	0	104
4	YS2BC8-040C 1478.87	YS2BS8-040C 1691.51	YS3BC8-040C 1590.04	YS3BS8-040C 1818.80	1	0	104

CPVC - True Union SR Threaded Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BC8-005CSR 240.67	YS2BS8-005CSR 327.55	YS3BC8-005CSR 268.48	YS3BS8-005CSR 367.18	1	12	104
3/4	YS2BC8-007CSR 264.18	YS2BS8-007CSR 371.94	YS3BC8-007CSR 296.28	YS3BS8-007CSR 416.98	1	12	104
1	YS2BC8-010CSR 344.90	YS2BS8-010CSR 469.56	YS3BC8-010CSR 385.89	YS3BS8-010CSR 524.71	1	8	104
1-1/4	YS2BC8-012CSR 491.89	YS2BS8-012CSR 632.51	YS3BC8-012CSR 587.63	YS3BS8-012CSR 707.13	1	4	104
1-1/2	YS2BC8-015CSR 530.15	YS2BS8-015CSR 693.68	YS3BC8-015CSR 667.71	YS3BS8-015CSR 772.65	1	0	104
2	YS2BC8-020CSR 750.86	YS2BS8-020CSR 873.81	YS3BC8-020CSR 841.61	YS3BS8-020CSR 949.86	1	0	104
3	YS2BC8-030CSR 897.32	YS2BS8-030CSR 1064.86	YS3BC8-030CSR 960.14	YS3BS8-030CSR 1142.18	1	0	104
4	YS2BC8-040CSR 1523.97	YS2BS8-040CSR 1736.64	YS3BC8-040CSR 1635.14	YS3BS8-040CSR 1863.88	1	0	104



Schedule 80 CPVC Industrial Products & Accessories Basket Strainers



Pressure Rating
@ 73°F (23°C), Water

1/2"-8"	150 psi
10"-12"	50 psi

Maximum Service
Temperature

CPVC = 200°F (93°C)

Temperature/Pressure
De-ratings Apply

Important Ordering Information - Column headings indicate Elastomer seal type and Strainer Basket screen material. All Part Numbers shown designate 1/8" perforated (#6 Mesh Code) Strainer Basket Screens. To order other screen perforation sizing, replace the number "6" preceding the dash-separator with the corresponding Mesh Code from chart. Pricing is the same for all listed Mesh Codes.

Perforation Size	Mesh Code
1/16"	12
3/32"	8
1/8"	6
3/16"	4
1/4"	3
3/8"	2

Example: To order a 1/16" screen perforation in listed part number BS22P6-020, change the part number to BS22P12-020

Contact Spears® for additional perforations & wire mesh sizes

CPVC - Socket Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS22C6-005C 602.77	BS22S6-005C 834.47	BS32C6-005C 633.22	BS32S6-005C 864.94	1	2	297
3/4	BS22C6-007C 602.77	BS22S6-007C 834.47	BS32C6-007C 633.22	BS32S6-007C 864.94	1	2	297
1	BS22C6-010C 602.77	BS22S6-010C 834.47	BS32C6-010C 633.22	BS32S6-010C 864.94	1	2	297
1-1/4	BS22C6-012C 1137.49	BS22S6-012C 1446.44	BS32C6-012C 1278.56	BS32S6-012C 1625.02	1	0	297
1-1/2	BS22C6-015C 1137.49	BS22S6-015C 1446.44	BS32C6-015C 1278.56	BS32S6-015C 1625.02	1	0	297
2	BS22C6-020C 1137.49	BS22S6-020C 1446.44	BS32C6-020C 1278.56	BS32S6-020C 1625.02	1	0	297
2-1/2	BS22C6-025C 1863.49	BS22S6-025C 2396.24	BS32C6-025C 2093.68	BS32S6-025C 2692.65	1	0	297
3	BS22C6-030C 2416.10	BS22S6-030C 2950.73	BS32C6-030C 2714.79	BS32S6-030C 3315.30	1	0	297
4	BS22C6-040C 3210.39	BS22S6-040C 3818.22	BS32C6-040C 3607.85	BS32S6-040C 4290.17	1	0	297
6	BS22C6-060C 4242.99	BS22S6-060C 5308.14	BS32C6-060C 4767.46	BS32S6-060C 5964.05	1	0	297
8	BS22C6-080C 6057.05	BS22S6-080C 7502.85	BS32C6-080C 6805.74	BS32S6-080C 8430.19	1	0	297
10	BS22C6-100C 10632.43	BS22S6-100C 12696.27	BS32C6-100C 11946.62	BS32S6-100C 14265.89	1	0	297
12	BS22C6-120C 13501.78	BS22S6-120C 16252.17	BS32C6-120C 15170.49	BS32S6-120C 18261.73	1	0	297

CPVC - Flanged Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS23C6-005C 659.69	BS23S6-005C 891.39	BS33C6-005C 694.29	BS33S6-005C 926.00	1	0	297
3/4	BS23C6-007C 659.69	BS23S6-007C 891.39	BS33C6-007C 694.29	BS33S6-007C 926.00	1	0	297
1	BS23C6-010C 659.69	BS23S6-010C 891.39	BS33C6-010C 694.29	BS33S6-010C 926.00	1	0	297
1-1/4	BS23C6-012C 1282.83	BS23S6-012C 1589.62	BS33C6-012C 1441.21	BS33S6-012C 1786.13	1	0	297
1-1/2	BS23C6-015C 1282.83	BS23S6-015C 1589.62	BS33C6-015C 1441.21	BS33S6-015C 1786.13	1	0	297
2	BS23C6-020C 1282.83	BS23S6-020C 1589.62	BS33C6-020C 1441.21	BS33S6-020C 1786.13	1	0	297
2-1/2	BS23C6-025C 2434.77	BS23S6-025C 2968.45	BS33C6-025C 2735.01	BS33S6-025C 3335.52	1	2	297

Schedule 80 CPVC Industrial Products & Accessories
Basket Strainers



CPVC - Flanged Ends (continued)

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
3	BS23C6-030C 2894.94	BS23S6-030C 3620.37	BS33C6-030C 3252.76	BS33S6-030C 3853.24	1	0	297
4	BS23C6-040C 3790.70	BS23S6-040C 7828.53	BS33C6-040C 4259.38	BS33S6-040C 8795.88	1	0	297
6	BS23C6-060C 7279.80	BS23S6-060C 8343.96	BS33C6-060C 8179.96	BS33S6-060C 9375.20	1	0	297
8	BS23C6-080C 9417.57	BS23S6-080C 10863.60	BS33C6-080C 10582.02	BS33S6-080C 12206.45	1	0	297
10	BS23C6-100C 12787.71	BS23S6-100C 14851.00	BS33C6-100C 14367.89	BS33S6-100C 16687.16	1	0	297
12	BS23C6-120C 17494.56	BS23S6-120C 20244.01	BS33C6-120C 19656.97	BS33S6-120C 22749.03	1	0	297

CPVC - Spigot Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS27C6-005C 602.77	BS27S6-005C 834.47	BS37C6-005C 633.22	BS37S6-005C 864.94	1	0	297
3/4	BS27C6-007C 602.77	BS27S6-007C 834.47	BS37C6-007C 633.22	BS37S6-007C 864.94	1	0	297
1	BS27C6-010C 602.77	BS27S6-010C 834.47	BS37C6-010C 633.22	BS37S6-010C 864.94	1	0	297
1-1/4	BS27C6-012C 1137.49	BS27S6-012C 1446.44	BS37C6-012C 1278.56	BS37S6-012C 1625.02	1	0	297
1-1/2	BS27C6-015C 1137.49	BS27S6-015C 1446.44	BS37C6-015C 1278.56	BS37S6-015C 1625.02	1	0	297
2	BS27C6-020C 1137.49	BS27S6-020C 1446.44	BS37C6-020C 1278.56	BS37S6-020C 1625.02	1	0	297
2-1/2	BS27C6-025C 1863.49	BS27S6-025C 2396.24	BS37C6-025C 2093.68	BS37S6-025C 2692.65	1	0	297
3	BS27C6-030C 2416.10	BS27S6-030C 2950.73	BS37C6-030C 2714.79	BS37S6-030C 3315.30	1	0	297
4	BS27C6-040C 3210.39	BS27S6-040C 3818.22	BS37C6-040C 3607.85	BS37S6-040C 4290.17	1	0	297
6	BS27C6-060C 4242.99	BS27S6-060C 5308.14	BS37C6-060C 4767.46	BS37S6-060C 5964.05	1	0	297
8	BS27C6-080C 6057.05	BS27S6-080C 7502.85	BS37C6-080C 6805.74	BS37S6-080C 8430.19	1	0	297
10	BS27C6-100C 10632.43	BS27S6-100C 12696.27	BS37C6-100C 11946.62	BS37S6-100C 14265.89	1	0	297
12	BS27C6-120C 13501.78	BS27S6-120C 16252.17	BS37C6-120C 15170.31	BS37S6-120C 18261.73	1	0	297



Transition Fittings & Adapters Special Reinforced (SR) & Metal Thread Transition Fittings & Adapters

TRANSITION FITTINGS OVERVIEW

Spears® Transition fittings are designed primarily for adapting plastic-to-metal systems. These fittings, especially the Special Reinforced (SR) Female Plastic Thread style, can also be used for superior strength in make-up of plastic threaded joints. Spears® offers a variety of transition adapter fittings specified below. All have standard ASTM socket sizes for IPS pipe and NPT threads, except for the Gasket Sealed style that uses a straight thread with elastomer seal. All other threads should be assembled with a quality grade thread sealant that is compatible with plastics.

Warning: Some pipe joint compounds or PTFE pastes may contain substances that could cause stress cracking in thermoplastic materials. Spears® recommends the use of Spears® **BLUE 75™** thread sealant that has been tested for compatibility with Spears® products. Choice of any other appropriate thread sealant is at the discretion of the installer.

Special Reinforced (SR) Thread Fittings: This patented fitting features all-plastic female thread construction that reduces problems associated with over-tightening of female plastic pipe threads. The external reinforcing collar is not just an added reinforcement ring, this unique precompression design compensates for expansion forces generated from tapered pipe thread joint make-up. Radial stress is reduced in normal installations and contained in severe over-tightening situations. The all-plastic internal construction provides for the maximum in chemical and corrosion benefits. Its solid construction and reliability make the SR our best transition design for all applications.

Brass Thread Fitting: This patented fitting features a molded-in-place brass thread with external reinforcing collar as an integral part of each fitting for superior strength. An internal form-compressed O-ring seal compensates for expansion and contraction variations between materials. Excellent as a metal-to-plastic transition adapter fitting.

Male Brass Thread Fitting: Developed for Copper Tube Size (CTS) hot-and-cold water distribution systems, this male brass thread alternative is the only metal thread design of its type that has the metal component lined with plastic for improved fitting construction and minimal exposure. Excellent for transition to female metal threads in a CTS system.

Gasket Sealed Thread Fittings: Also developed for Copper Tube Size (CTS) hot-and-cold water distribution systems, this female threaded fitting features all plastic internal construction for maximum corrosion resistance. The fitting incorporates straight-threads for mechanical connection, while sealing is accomplished through an internal elastomer gasket or O-ring against the pipe face. No sealants are used.

APPROVALS

Except where otherwise specified, Spears® Transition Fittings/Materials are approved for use in potable water systems by NSF® International under ANSI/NSF® Standard 61, Drinking Water System Components - Health Effects.

CPVC Orange Fittings in this price schedule (4200 series part numbers) are approved by Underwriters Laboratories, FM Global, and LPCB for use in CPVC Fire Sprinkler Systems. When installed in these system, installation must be made in accordance with Spears® publication FG-3, *FlameGuard® CPVC Fire Sprinkler Products Installation Manual*, and local codes. However, these fittings can also be used in many other types of installations. CPVC fittings may also be used on PVC pipe when installed using a quality CPVC solvent cement meeting the requirements of ASTM F 493, Standard Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride)(CPVC) Plastic Pipe and Fittings.

Transition Fittings & Adapters PVC White Special Reinforced (SR) Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Female Adapter Soc x SR Fipt - Stainless Steel Collar



435-002SR	1/4	25	450	046	5.31
435-003SR	3/8	25	300	046	5.31
435-005SR	1/2	25	300	046	2.95
435-007SR	3/4	25	300	046	4.29
435-010SR	1	25	200	046	6.38
435-012SR	1-1/4	10	60	046	10.32
435-015SR	1-1/2	10	80	046	12.70
435-020SR	2	10	0	046	22.15
435-025SR	2-1/2	5	0	046	34.95
435-030SR	3	10	0	046	39.38
435-040SR	4	5	0	046	67.68

Special Reinforced Tee Soc x SR Fipt - Stainless Steel Collar



402-005SR	1/2	25	200	046	7.66
402-012SR	1-1/4	25	0	046	15.06

Special Reinforced Reducing Tee Soc x SR Fipt - Stainless Steel Collar



402-072SR	1/2X1/4	25	150	046	7.66
402-098SR	3/4X1/4	25	100	046	9.95
402-101SR	3/4X1/2	50	0	046	9.95
402-166SR	1-1/4X1/2	15	0	046	16.64
402-168SR	1-1/4X1	10	0	046	16.98
402-212SR	1-1/2X1-1/4	10	0	046	18.38
402-287SR	2-1/2X1/2	10	0	046	22.37
402-288SR	2-1/2X3/4	10	0	046	23.64
402-289SR	2-1/2X1	10	0	046	23.87
402-290SR	2-1/2X1-1/4	10	0	046	23.50
402-291SR	2-1/2X1-1/2	10	0	046	24.43
402-292SR	2-1/2X2	10	0	046	24.63
402-333SR	3X1/2	10	0	046	29.83
402-334SR	3X3/4	10	0	046	29.83
402-335SR	3X1	10	0	046	30.43
402-336SR	3X1-1/4	10	0	046	31.14
402-337SR	3X1-1/2	10	0	046	30.87
402-338SR	3X2	6	0	046	32.70
402-417SR	4X1	6	0	046	39.51
402-419SR	4X1-1/2	10	0	046	43.40
402-420SR	4X2	10	0	046	44.81
402-422SR	4X3	6	0	046	70.40

Special Reinforced Reducing Tee Soc x SR Fipt-Stainless Steel Collar x Soc



403-095SR	3/4X1/2X3/4	50	0	046	2.59
-----------	-------------	----	---	-----	------

Special Reinforced 90° Ell & Reducing 90° Ell Soc x SR Fipt - Stainless Steel Collar

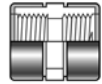


407-005SR	1/2	50	400	046	6.79
407-007SR	3/4	75	0	046	8.72
407-010SR	1	50	0	046	8.82
407-012SR	1-1/4	25	0	046	10.66
407-131SR	1X3/4	50	0	046	3.74
407-168SR ¹	1-1/4X1	25	0	046	14.77
407-249SR	2X1	10	0	046	16.80
407-251SR	2X1-1/2	10	0	046	17.72

Sized with SR Adapter

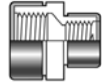
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Coupling SR Fipt - Stainless Steel Collar



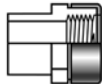
430-005SR	1/2	25	300	046	3.51
430-007SR	3/4	25	300	046	4.99
430-010SR	1	25	200	046	5.33
430-012SR	1-1/4	10	120	046	6.64
430-015SR	1-1/2	10	60	046	14.70
430-020SR	2	10	0	046	15.41

Special Reinforced Reducer Coupling SR Fipt - Stainless Steel Collar



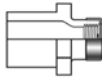
430-101SR	3/4X1/2	50	200	046	7.56
-----------	---------	----	-----	-----	------

Special Reinforced Spigot Female Adapter Spig x SR Fipt - Stainless Steel Collar



478-005SR	1/2	50	600	046	3.88
478-007SR	3/4	25	300	046	4.57
478-010SR	1	50	0	046	7.04
478-012SR	1-1/4	25	0	046	11.21
478-015SR	1-1/2	25	0	046	13.44
478-020SR	2	15	0	046	22.37
478-030SR	3	5	0	046	41.12
478-040SR	4	5	0	046	63.51

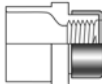
Special Reinforced Reducing Spigot Female Adapter Spig x SR Fipt - Stainless Steel Collar



478-072SR	1/2X1/4	25	450	046	10.78
478-098SR	3/4X1/4	50	300	046	15.70
478-128SR	1X1/4	50	400	046	16.19

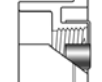
Spears® SR Series reinforced spigot adapters can be user-installed in a variety of socket type tees, elbows and reducer bushings for superior thread reinforcement demanding applications.

Special Reinforced Reducing Female Adapter Soc x SR Fipt - Stainless Steel Collar



435-072SR	1/2X1/4	50	600	046	3.86
435-074SR	1/2X3/4	50	400	046	4.29
435-101SR	3/4X1/2	50	400	046	4.29
435-102SR	3/4X1	50	0	046	6.38
435-130SR	1X1/2	50	0	046	6.38
435-131SR	1X3/4	25	200	046	6.38

Special Reinforced Reducer Bushing Flush Style Spig x SR Fipt - Stainless Steel Collar



438-128SR	1X1/4	25	300	046	3.14
438-166SR	1-1/4X1/2	25	100	046	5.74
438-207SR	1-1/2X1/4	25	100	046	8.01
438-209SR	1-1/2X1/2	25	100	046	8.01
438-210SR	1-1/2X3/4	25	100	046	8.01
438-247SR	2X1/2	10	80	046	9.80
438-248SR	2X3/4	10	80	046	9.80
438-249SR	2X1	10	80	046	9.80
438-334SR	3X3/4	10	0	046	38.36
438-335SR	3X1	10	0	046	38.36
438-336SR	3X1/4	10	0	046	38.36
438-337SR	3X1-1/2	10	0	046	38.36
438-420SR	4X2	6	0	046	58.97
438-421SR	4X2-1/2	6	0	046	66.37
438-528SR	6X2	5	0	046	67.91
438-530SR	6X3	5	0	046	61.13



Transition Fittings & Adapters PVC White Special Reinforced (SR) Fittings & PVC White Brass Thread Fittings

PVC White Special Reinforced (SR) Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Reducer Bushing Flush Style

(continued)

Spig x SR Fipt - Stainless Steel Collar

438-532SR	6X4	5	0	046	67.91
-----------	-----	---	---	-----	-------

Special Reinforced Reducer Bushing Flush Style

Mipt X SR Fipt - Stainless Steel Collar

439-209SR	1-1/2X1/2	25	200	046	8.30
439-249SR	2X1	10	120	046	12.19



Special Reinforced Cap

SR Fipt - Stainless Steel Collar

448-012SR	1-1/4	25	100	046	6.40
-----------	-------	----	-----	-----	------



Special Reinforced Union

Soc x SR Fipt with Buna O-ring Seal - Stainless Steel Collar

235 psi @ 73°F (23°C)

459-002SR	1/4	25	150	046	14.55
459-003SR	3/8	25	100	046	14.55
459-005SR	1/2	10	60	046	7.90
459-007SR	3/4	10	40	046	10.88
459-010SR	1	10	40	046	14.48



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

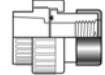
Special Reinforced Union (continued)

Soc x SR Fipt with Buna O-ring Seal - Stainless Steel Collar

459-012SR	1-1/4	5	20	046	27.64
459-015SR	1-1/2	5	0	046	34.21
459-020SR	2	5	0	046	52.69
459-030SR	3	5	0	046	124.40
459-040SR	4	4	0	046	142.83
459-060SR	6	1	0	046	317.40

Special Reinforced Union

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi @ 73°F (23°C)

499-002SR	1/4	25	150	046	15.98
499-003SR	3/8	25	100	046	15.98
499-005SR	1/2	10	60	046	8.68
499-007SR	3/4	10	40	046	11.96
499-010SR	1	10	40	046	15.89
499-012SR	1-1/4	5	20	046	30.37
499-015SR	1-1/2	5	0	046	37.60
499-020SR	2	5	0	046	57.90
499-030SR	3	5	0	046	136.71
499-040SR	4	4	0	046	156.95
499-060SR	6	1	0	046	348.80

PVC White Brass Thread Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Transition Union

Soc x Fipt with Brass Thread Insert & Buna-N O-ring Seal



235 psi @ 73°F (23°C)

459-010BR	1	10	0	046	61.50
459-012BR	1-1/4	5	20	046	103.32
459-015BR	1-1/2	5	0	046	136.70
459-020BR	2	5	0	046	182.34

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Union

Soc x Fipt with Brass Thread Insert & EPDM O-ring Seal



235 psi @ 73°F (23°C)

499-010BR	1	10	0	046	61.50
499-012BR	1-1/4	5	20	046	103.32
499-015BR	1-1/2	5	0	046	136.70
499-020BR	2	5	0	046	182.34

Not intended to convey or dispense water for human consumption through drinking or cooking

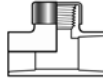
Transition Fittings & Adapters PVC Gray Special Reinforced (SR) Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Tee

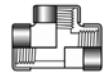
Soc x SR Fipt - Stainless Steel Collar



802-005SR	1/2	25	200	086	7.66
802-007SR	3/4	15	120	086	10.83
802-010SR	1	15	0	086	12.72
802-012SR	1-1/4	25	0	086	15.13
802-015SR	1-1/2	10	0	086	15.99
802-020SR	2	10	0	086	31.28
802-030SR	3	5	0	086	67.60
802-040SR	4	5	0	086	126.78

Special Reinforced Tee

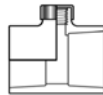
SR Fipt - Stainless Steel Collar



805-002SR	1/4	25	150	086	8.91
805-003SR	3/8	25	150	086	8.91
805-005SR	1/2	25	150	086	9.20
805-007SR	3/4	25	100	086	10.11
805-010SR	1	15	0	086	24.03
805-015SR	1-1/2	10	0	086	28.12
805-020SR	2	10	0	086	29.56

Special Reinforced Reducing Tee

Soc x SR Fipt - Stainless Steel Collar



802-072SR	1/2X1/4	25	150	086	7.66
802-098SR	3/4X1/4	25	100	086	9.95
802-101SR	3/4X1/2	50	0	086	9.95
802-128SR ¹	1X1/4	10	80	086	23.55
802-130SR	1X1/2	50	0	086	12.27
802-131SR	1X3/4	15	0	086	23.55
802-164SR ¹	1-1/4X1/4	5	0	086	25.11
802-166SR	1-1/4X1/2	25	0	086	16.64
802-168SR	1-1/4X1	10	0	086	16.98
802-207SR ¹	1-1/2X1/4	10	0	086	29.30
802-211SR	1-1/2X1	10	0	086	18.38
802-212SR	1-1/2X1-1/4	10	0	086	18.38
802-245SR ¹	2X1/4	10	0	086	33.84
802-247SR	2X1/2	10	0	086	33.84
802-248SR	2X3/4	10	0	086	33.84
802-287SR	2-1/2X1/2	10	0	086	24.94
802-331SR ¹	3X1/4	5	0	086	64.60
802-333SR ¹	3X1/2	5	0	086	66.47
802-413SR ¹	4X1/4	5	0	086	88.96
802-415SR ¹	4X1/2	5	0	086	96.68

¹ Sized with Bushing

Special Reinforced Reducing Tee

Soc x SR Fipt - Stainless Steel Collar x Soc

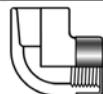


(See also Gauge & Instrument Fittings for additional configurations)

803-095SR	3/4X1/2X3/4	15	0	086	12.53
-----------	-------------	----	---	-----	-------

Special Reinforced 90° El

Soc x SR Fipt - Stainless Steel Collar

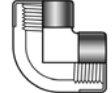


807-005SR	1/2	20	240	086	7.33
807-007SR	3/4	75	0	086	8.72
807-010SR	1	50	0	086	8.82
807-012SR	1-1/4	25	0	086	11.85
807-015SR	1-1/2	10	0	086	14.64
807-020SR	2	10	0	086	16.80
807-030SR	3	5	0	086	42.65
807-040SR	4	5	0	086	75.35

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced 90° El

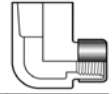
SR Fipt - Stainless Steel Collar



808-003SR	3/8	25	150	086	4.28
808-005SR	1/2	20	120	086	4.28
808-007SR	3/4	20	120	086	5.39
808-010SR	1	50	0	086	6.27
808-012SR	1-1/4	25	0	086	6.70
808-015SR	1-1/2	10	0	086	10.45
808-020SR	2	10	0	086	11.77

Special Reinforced Reducing 90° El

Soc x SR Fipt - Stainless Steel Collar



807-101SR	3/4X1/2	50	0	086	8.70
807-130SR	1X1/2	50	0	086	9.77

Special Reinforced 45° El

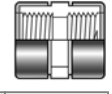
SR Fipt - Stainless Steel Collar



819-007SR	3/4	10	120	086	7.37
-----------	-----	----	-----	-----	------

Special Reinforced Coupling

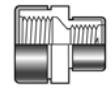
SR Fipt - Stainless Steel Collar



830-005SR	1/2	25	150	086	3.51
830-007SR	3/4	25	150	086	4.99
830-010SR	1	25	200	086	5.33
830-012SR	1-1/4	10	120	086	6.64
830-015SR	1-1/2	10	80	086	14.70
830-020SR	2	10	0	086	15.41

Special Reinforced Reducer Coupling

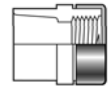
SR Fipt - Stainless Steel Collar



830-101SR	3/4X1/2	50	200	086	4.54
830-130SR	1X1/2	50	0	086	6.74
830-131SR	1X3/4	25	200	086	6.74
830-168SR	1-1/4X1	25	0	086	14.46
830-210SR	1-1/2X3/4	25	0	086	21.46
830-211SR	1-1/2X1	10	80	086	21.46
830-212SR	1-1/2X1-1/4	10	80	086	21.46
830-249SR	2X1	25	0	086	28.44
830-251SR	2X1-1/2	10	0	086	28.44

Special Reinforced Female Adapter

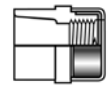
Soc x SR Fipt - Stainless Steel Collar



835-002SR	1/4	25	450	086	5.31
835-003SR	3/8	25	300	086	5.31
835-005SR	1/2	25	300	086	2.95
835-007SR	3/4	25	300	086	4.29
835-010SR	1	25	200	086	6.38
835-012SR	1-1/4	10	60	086	10.32
835-015SR	1-1/2	10	80	086	12.70
835-020SR	2	10	0	086	22.15
835-025SR	2-1/2	5	0	086	34.95
835-030SR	3	15	0	086	39.38
835-040SR	4	5	0	086	67.68
835-060SR	6	6	0	086	87.93

Encapsulated Special Reinforced Female Adapter

Soc x ESR Fipt



835-002ESR	1/4	25	450	086	7.69
------------	-----	----	-----	-----	------



Transition Fittings & Adapters PVC Gray Special Reinforced (SR) Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Encapsulated Special Reinforced Female Adapter

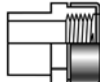
(continued)

Soc x ESR Fipt

835-003ESR	3/8	25	300	086	7.69
835-005ESR	1/2	25	300	086	4.77
835-007ESR	3/4	25	300	086	7.04
835-010ESR	1	25	200	086	9.32
835-012ESR	1-1/4	10	80	086	15.04
835-015ESR	1-1/2	10	80	086	21.73
835-020ESR	2	10	0	086	32.30

Special Reinforced Spigot Female Adapter

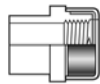
Spig x SR Fipt - Stainless Steel Collar



878-005SR	1/2	50	600	086	3.88
878-007SR	3/4	25	300	086	4.57
878-010SR	1	50	0	086	7.04
878-012SR	1-1/4	25	0	086	11.21
878-015SR	1-1/2	25	0	086	13.44
878-020SR	2	15	0	086	22.37
878-030SR	3	5	0	086	41.12
878-040SR	4	5	0	086	69.81

Encapsulated Special Reinforced Spigot Female Adapter

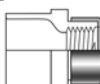
Spig x ESR Fipt



878-005ESR	1/2	50	600	086	5.29
878-007ESR	3/4	25	300	086	7.29
878-010ESR	1	50	0	086	10.00
878-012ESR	1-1/4	25	0	086	15.39
878-015ESR	1-1/2	25	0	086	21.85
878-020ESR	2	15	0	086	32.93

Special Reinforced Reducing Female Adapter

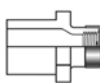
Soc x SR Fipt - Stainless Steel Collar



835-074SR	1/2X3/4	50	400	086	4.29
835-101SR	3/4X1/2	50	400	086	4.29
835-102SR	3/4X1	50	0	086	6.38
835-130SR	1X1/2	50	0	086	6.38
835-131SR	1X3/4	25	200	086	6.38

Special Reinforced Reducing Spigot Female Adapter

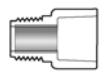
Spig x SR Fipt - Stainless Steel Collar



878-072SR	1/2X1/4	25	450	086	10.78
878-098SR	3/4X1/4	50	400	086	14.86
878-128SR	1X1/4	50	400	086	15.32

Reinforced Male Adapter

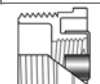
R Mipt x Soc - Stainless Steel Sleeve



836-005R	1/2	25	150	086	3.65
836-007R	3/4	25	300	086	4.00
836-010R	1	10	60	086	7.01

Special Reinforced Reducer Bushing

Mipt x SR Fipt - Stainless Steel Collar



839-128SR	1X1/4	25	150	086	5.68
839-209SR	1-1/2X1/2	25	200	086	8.30
839-210SR	1-1/2X3/4	25	100	086	8.30
839-247SR	2X1/2	10	120	086	12.19
839-248SR	2X3/4	10	120	086	12.19
839-249SR	2X1	10	120	086	12.19
839-420SR	4X2	6	0	086	46.16

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Reducer Bushing Flush Style

Spig x SR Fipt - Stainless Steel Collar



838-128SR	1X1/4	25	300	086	3.14
838-166SR	1-1/4X1/2	25	100	086	5.74
838-207SR	1-1/2X1/4	25	200	086	8.01
838-209SR	1-1/2X1/2	10	60	086	8.01
838-210SR	1-1/2X3/4	25	200	086	8.01
838-247SR	2X1/2	10	80	086	9.80
838-248SR	2X3/4	10	80	086	9.80
838-249SR	2X1	10	80	086	9.80
838-334SR	3X3/4	10	0	086	38.36
838-335SR	3X1	10	0	086	38.36
838-336SR	3X1-1/4	10	0	086	38.36
838-337SR	3X1-1/2	10	0	086	38.36
838-528SR	6X2	5	0	086	67.91
838-530SR	6X3	5	0	086	61.13
838-532SR	6X4	5	0	086	67.91

Special Reinforced Cap

SR Fipt - Stainless Steel Collar



848-002SR	1/4	25	500	086	3.83
848-003SR	3/8	25	450	086	3.83
848-005SR	1/2	50	300	086	4.19
848-007SR	3/4	25	300	086	5.37
848-030SR	3	5	0	086	33.10

Special Reinforced Union 2000

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8099-005SR	1/2	20	160	086	7.60
8099-007SR	3/4	20	80	086	10.83
8099-010SR	1	15	90	086	13.97
8099-012SR	1-1/4	10	0	086	24.30
8099-015SR	1-1/2	10	0	086	31.49
8099-020SR	2	5	0	086	50.68
8099-025SR	2-1/2	5	0	086	108.41
8099-030SR	3	5	0	086	120.69
8099-040SR	4	4	0	086	137.74
8099-060SR	6	1	0	086	306.10

Special Reinforced Union 2000

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8059-005SR	1/2	20	160	086	7.90
8059-007SR	3/4	20	80	086	10.88
8059-010SR	1	15	90	086	14.14
8059-012SR	1-1/4	10	0	086	27.02
8059-015SR	1-1/2	10	0	086	33.34
8059-020SR	2	5	0	086	50.91
8059-025SR	2-1/2	5	0	086	109.43
8059-030SR	3	5	0	086	124.40
8059-040SR	4	4	0	086	142.83
8059-060SR	6	1	0	086	317.40

Special Reinforced Union 2000

SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8098-005SR	1/2	20	120	086	8.01
8098-007SR	3/4	20	80	086	10.91
8098-010SR	1	15	90	086	14.44

Transition Fittings & Adapters PVC Gray Special Reinforced (SR) Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Union 2000 (continued)

SR Fipt with EPDM O-ring Seal - Stainless Steel Collar

8098-012SR	1-1/4	10	0	086	26.85
8098-015SR	1-1/2	10	0	086	33.77
8098-020SR	2	5	0	086	53.07
8098-025SR	2-1/2	5	0	086	107.11
8098-030SR	3	5	0	086	126.32
8098-040SR	4	4	0	086	145.02
8098-060SR	6	1	0	086	322.30

Special Reinforced Union 2000

SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8058-005SR	1/2	20	120	086	8.13
8058-007SR	3/4	20	80	086	11.01
8058-010SR	1	15	90	086	14.73
8058-012SR	1-1/4	10	0	086	28.06
8058-015SR	1-1/2	10	0	086	34.53
8058-020SR	2	5	0	086	53.62
8058-025SR	2-1/2	5	0	086	112.12
8058-030SR	3	5	0	086	127.54
8058-040SR	4	4	0	086	150.14
8058-060SR	6	1	0	086	333.63

Special Reinforced Union (Old Style)

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-002SR	1/4	25	150	086	14.35
899-003SR	3/8	25	100	086	14.35
899-005SR	1/2	10	60	086	7.60
899-007SR	3/4	10	40	086	10.83
899-010SR	1	10	40	086	13.97
899-012SR	1-1/4	5	20	086	24.30
899-015SR	1-1/2	5	0	086	31.49
899-020SR	2	5	0	086	50.68
899-030SR	3	5	0	086	120.69
899-040SR	4	4	0	086	137.74

Special Reinforced Union (Old Style)

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-005SR	1/2	10	60	086	7.90
859-007SR	3/4	10	40	086	10.88
859-010SR	1	10	40	086	14.14
859-012SR	1-1/4	5	20	086	27.02
859-015SR	1-1/2	5	0	086	33.34
859-020SR	2	5	0	086	50.91
859-030SR	3	5	0	086	124.40
859-040SR	4	4	0	086	142.83

Special Reinforced Flange One Piece Threaded

SR Fipt - Stainless Steel Collar

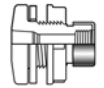


150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

852-005SR	1/2	25	0	086	11.31
852-007SR	3/4	25	0	086	13.29
852-010SR	1	15	0	086	14.53
852-012SR	1-1/4	15	0	086	20.02
852-015SR	1-1/2	15	0	086	21.91
852-020SR	2	10	0	086	22.44
852-025SR	2-1/2	10	0	086	51.39
852-030SR	3	10	0	086	52.91
852-040SR	4	5	0	086	99.46

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets

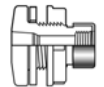


Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171-002SR	1/4	25	150	100	33.80
8171-003SR	3/8	25	200	100	33.80
8171-005SR	1/2	25	0	100	33.80
8171-007SR	3/4	25	0	100	39.16
8171-010SR	1	25	0	100	44.10
8171-012SR	1-1/4	20	0	100	54.21
8171-015SR	1-1/2	20	0	100	62.22
8171-020SR	2	15	0	100	89.17
8171-025SR	2-1/2	4	0	100	143.57
8171-030SR	3	4	0	100	170.90
8171-040SR	4	2	0	100	316.12
8171-060SR	6	1	0	100	591.63

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with EPDM Gaskets

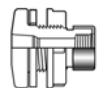


Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171E-002SR	1/4	25	150	100	34.99
8171E-003SR	3/8	25	200	100	34.99
8171E-005SR	1/2	25	0	100	34.99
8171E-007SR	3/4	25	0	100	39.90
8171E-010SR	1	25	0	100	48.51
8171E-012SR	1-1/4	20	0	100	58.77
8171E-015SR	1-1/2	20	0	100	66.79
8171E-020SR	2	15	0	100	95.34
8171E-025SR	2-1/2	4	0	100	148.23
8171E-030SR	3	4	0	100	176.47
8171E-040SR	4	2	0	100	323.55
8171E-060SR	6	1	0	100	611.98

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Viton® Gaskets

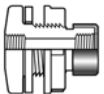


Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171V-002SR	1/4	25	150	100	56.80
8171V-003SR	3/8	25	200	100	56.80
8171V-005SR	1/2	25	0	100	56.80
8171V-007SR	3/4	25	0	100	62.33
8171V-010SR	1	25	0	100	76.83
8171V-012SR	1-1/4	20	0	100	86.03
8171V-015SR	1-1/2	20	0	100	96.98
8171V-020SR	2	15	0	100	148.51
8171V-025SR	2-1/2	4	0	100	226.10
8171V-030SR	3	4	0	100	269.15
8171V-040SR	4	2	0	100	646.67
8171V-060SR	6	2	0	100	1146.10

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets



Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172-002SR	1/4	25	150	100	45.19
8172-003SR	3/8	25	200	100	45.19
8172-005SR	1/2	25	0	100	45.19
8172-007SR	3/4	25	0	100	50.03
8172-010SR	1	25	0	100	55.33
8172-012SR	1-1/4	20	0	100	74.51
8172-015SR	1-1/2	20	0	100	83.97
8172-020SR	2	15	0	100	108.80
8172-025SR	2-1/2	4	0	100	165.65



Transition Fittings & Adapters PVC Gray Special Reinforced (SR) Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

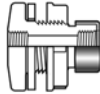
PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets (continued)

Fipt x SR Fipt - Stainless Steel Collar

8172-030SR	3	4	0	100	197.21
8172-040SR	4	2	0	100	351.09
8172-060SR	6	1	0	100	679.14

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with EPDM Gaskets

Fipt x SR Fipt - Stainless Steel Collar

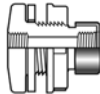


150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172E-002SR	1/4	25	150	100	46.49
8172E-003SR	3/8	25	200	100	46.49
8172E-005SR	1/2	25	0	100	46.49
8172E-007SR	3/4	25	0	100	50.97
8172E-010SR	1	25	0	100	60.98
8172E-012SR	1-1/4	20	0	100	80.95
8172E-015SR	1-1/2	20	0	100	90.31
8172E-020SR	2	15	0	100	116.47
8172E-025SR	2-1/2	4	0	100	171.16
8172E-030SR	3	4	0	100	203.74
8172E-040SR	4	2	0	100	359.46
8172E-060SR	6	1	0	100	702.68

PVC New Style Special Reinforced (SR) Threaded Tank Adapters with Viton® Gaskets

Fipt x SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172V-002SR	1/4	25	150	100	69.15
8172V-003SR	3/8	25	200	100	69.15
8172V-005SR	1/2	25	0	100	69.15
8172V-007SR	3/4	25	0	100	74.24
8172V-010SR	1	25	0	100	85.29
8172V-012SR	1-1/4	20	0	100	98.05
8172V-015SR	1-1/2	20	0	100	114.46
8172V-020SR	2	15	0	100	166.59
8172V-025SR	2-1/2	4	0	100	244.62
8172V-030SR	3	4	0	100	291.29
8172V-040SR	4	2	0	100	679.14
8172V-060SR	6	2	0	100	1282.40

PVC Elastomer Expansion Joint

with Neoprene Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ01-007SR	3/4	10	0	085	190.59
EJ01-010SR	1	10	0	085	217.05
EJ01-012SR	1-1/4	15	0	085	236.07
EJ01-015SR	1-1/2	10	0	085	301.37
EJ01-020SR	2	8	0	085	362.07
EJ01-025SR	2-1/2	4	0	085	527.64
EJ01-030SR	3	2	0	085	709.59

PVC Elastomer Expansion Joint

with EPDM Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007SR	3/4	10	0	085	194.46
EJ21-010SR	1	10	0	085	221.48
EJ21-012SR	1-1/4	15	0	085	240.91
EJ21-015SR	1-1/2	10	0	085	307.50
EJ21-020SR	2	8	0	085	369.47
EJ21-025SR	2-1/2	4	0	085	535.41
EJ21-030SR	3	2	0	085	724.07

Transition Fittings & Adapters PVC Gray Brass Thread Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Transition Tee

Soc x Fipt With Brass Thread Insert



802-005BR	1/2	20	160	086	31.27
802-007BR	3/4	20	80	086	62.67

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Reducing Tee

Soc x Fipt With Brass Thread Insert



802-101BR	3/4X1/2	50	0	086	39.03
-----------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition 90° Ell

Soc x Fipt With Brass Thread Insert



807-005BR	1/2	20	240	086	27.47
807-007BR	3/4	20	160	086	48.63

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Reducing 90° Ell

Soc x Fipt With Brass Thread Insert



807-101BR	3/4X1/2	20	120	086	34.29
-----------	---------	----	-----	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Female Adapter

Soc x Fipt With Brass Thread Insert



835-005BR	1/2	25	150	086	23.72
835-007BR	3/4	25	150	086	34.07
835-010BR	1	15	90	086	58.71
835-012BR	1-1/4	15	60	086	96.68
835-015BR	1-1/2	10	40	086	127.01
835-020BR	2	8	32	086	157.31

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Female Adapter

Spig x Fipt With Brass Thread Insert



878-005BR	1/2	25	150	086	19.95
878-010BR	1	15	90	086	63.47

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Reducing Female Adapter

Soc x Fipt With Brass Thread Insert



835-101BR	3/4X1/2	50	0	086	35.22
-----------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Female Adapter

Soc x Fipt With 316 Stainless Steel Thread Insert



835-005SS	1/2	25	300	086	46.48
835-007SS	3/4	15	90	086	66.80
835-010SS	1	15	90	086	113.67
835-012SS	1-1/4	15	60	086	189.84
835-015SS	1-1/2	10	40	086	247.99
835-020SS	2	8	32	086	318.13

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Transition Male Adapter w/ Brass Thread

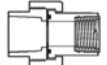
Brass Mipt x Socket



836-005BR	1/2	40	160	086	26.11
836-007BR	3/4	40	160	086	39.37
836-010BR	1	10	60	086	64.02
836-012BR	1-1/4	10	60	086	107.84
836-015BR	1-1/2	10	40	086	143.10
836-020BR	2	8	32	086	177.77

Union

Soc x Fipt with Brass Thread Insert & Viton® O-ring Seal



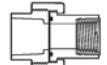
235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-007BR	3/4	10	40	086	50.53
859-010BR	1	10	0	086	62.36
859-012BR	1-1/4	5	20	086	107.63
859-015BR	1-1/2	5	0	086	142.44
859-020BR	2	5	0	086	189.30

Not intended to convey or dispense water for human consumption through drinking or cooking

Union

Soc x Fipt with Brass Thread Insert & EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-007BR	3/4	10	40	086	45.56
899-010BR	1	10	0	086	61.45
899-012BR	1-1/4	5	20	086	103.33
899-015BR	1-1/2	5	0	086	136.76
899-020BR	2	5	0	086	182.30

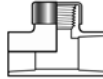
Not intended to convey or dispense water for human consumption through drinking or cooking



Transition Fittings & Adapters CPVC Gray Special Reinforced (SR) Fittings

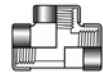
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Tee Soc x SR Fipt - Stainless Steel Collar



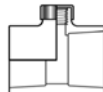
802-005CSR	1/2	50	0	096	18.69
802-007CSR	3/4	15	120	096	27.31
802-010CSR	1	15	0	096	34.36
802-012CSR	1-1/4	15	0	096	39.86
802-015CSR	1-1/2	10	0	096	39.86
802-020CSR	2	10	0	096	65.16
802-030CSR	3	5	0	096	93.84
802-040CSR	4	5	0	096	176.79

Special Reinforced Tee SR Fipt - Stainless Steel Collar



805-002CSR	1/4	20	160	096	16.72
805-003CSR	3/8	25	150	096	16.72
805-005CSR	1/2	25	150	096	22.37
805-007CSR	3/4	25	100	096	25.63
805-010CSR	1	15	0	096	38.28
805-015CSR	1-1/2	10	0	096	40.64
805-020CSR	2	10	0	096	48.39

Special Reinforced Reducing Tee Soc x SR Fipt - Stainless Steel Collar



802-072CSR	1/2X1/4	25	200	096	18.69
802-098CSR	3/4X1/4	25	100	096	24.98
802-101CSR	3/4X1/2	50	0	096	24.98
802-128CSR ¹	1X1/4	15	0	096	38.57
802-130CSR	1X1/2	50	0	096	15.26
802-131CSR	1X3/4	15	0	096	38.57
802-164CSR ¹	1-1/4X1/4	5	0	096	51.29
802-166CSR	1-1/4X1/2	15	0	096	40.63
802-168CSR	1-1/4X1	10	0	096	41.46
802-207CSR ¹	1-1/2X1/4	15	0	096	73.44
802-211CSR	1-1/2X1	10	0	096	48.68
802-212CSR	1-1/2X1-1/4	10	0	096	48.68
802-245CSR ¹	2X1/4	10	0	096	84.36
802-247CSR	2X1/2	10	0	096	75.93
802-248CSR	2X3/4	10	0	096	84.36
802-287CSR	2-1/2X1/2	10	0	096	58.02
802-331CSR ¹	3X1/4	5	0	096	161.14
802-413CSR ¹	4X1/4	5	0	096	174.86

¹ Sized with Bushing

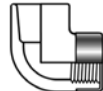
Special Reinforced Reducing Tee Soc x SR Fipt - Stainless Steel Collar x Soc



(See also Gauge & Instrument Fittings for additional configurations)

803-095CSR	3/4X1/2X3/4	15	0	096	15.39
------------	-------------	----	---	-----	-------

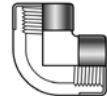
Special Reinforced 90° Elbow Soc x SR Fipt - Stainless Steel Collar



807-005CSR	1/2	20	240	096	9.07
807-007CSR	3/4	75	0	096	10.66
807-010CSR	1	50	0	096	12.83
807-012CSR	1-1/4	25	0	096	26.50
807-015CSR	1-1/2	10	0	096	31.85
807-020CSR	2	10	0	096	39.85

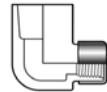
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced 90° Elbow SR Fipt - Stainless Steel Collar



808-003CSR	3/8	25	150	096	5.48
808-005CSR	1/2	20	120	096	5.48
808-007CSR	3/4	20	160	096	8.03
808-010CSR	1	50	0	096	10.29
808-012CSR	1-1/4	25	0	096	19.80
808-015CSR	1-1/2	10	0	096	23.31
808-020CSR	2	10	0	096	31.23

Special Reinforced Reducing 90° Elbow Soc x SR Fipt - Stainless Steel Collar



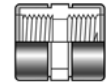
807-101CSR	3/4X1/2	50	0	096	11.56
807-130CSR	1X1/2	50	0	096	12.46

Special Reinforced 45° Elbow SR Fipt - Stainless Steel Collar



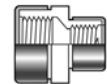
819-007CSR	3/4	10	120	096	12.53
------------	-----	----	-----	-----	-------

Special Reinforced Coupling SR Fipt - Stainless Steel Collar



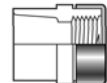
830-005CSR	1/2	25	300	096	8.84
830-007CSR	3/4	25	300	096	14.29
830-010CSR	1	25	200	096	16.23
830-012CSR	1-1/4	10	120	096	17.24
830-015CSR	1-1/2	10	80	096	18.49
830-020CSR	2	10	0	096	21.85

Special Reinforced Reducer Coupling SR Fipt - Stainless Steel Collar



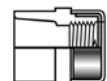
830-101CSR	3/4X1/2	50	200	096	15.85
830-130CSR	1X1/2	50	0	096	19.13
830-131CSR	1X3/4	25	200	096	19.13
830-168CSR	1-1/4X1	25	0	096	26.02
830-210CSR	1-1/2X3/4	25	0	096	37.21
830-211CSR	1-1/2X1	10	80	096	37.21
830-212CSR	1-1/2X1-1/4	10	80	096	37.21
830-249CSR	2X1	25	0	096	91.60
830-251CSR	2X1-1/2	15	0	096	91.60

Special Reinforced Female Adapter Soc x SR Fipt - Stainless Steel Collar



835-002CSR	1/4	25	450	096	12.41
835-003CSR	3/8	25	300	096	12.41
835-005CSR	1/2	25	300	096	5.33
835-007CSR	3/4	25	150	096	5.76
835-010CSR	1	25	200	096	13.13
835-012CSR	1-1/4	10	60	096	13.47
835-015CSR	1-1/2	10	80	096	15.64
835-020CSR	2	10	0	096	22.22
835-025CSR	2-1/2	5	0	096	51.67
835-030CSR	3	15	0	096	106.16
835-040CSR	4	5	0	096	176.69
835-060CSR	6	6	0	096	276.02

Encapsulated Special Reinforced (SR) Female Adapter Soc x ESR Fipt



835-002CESR	1/4	25	450	096	15.74
-------------	-----	----	-----	-----	-------

Transition Fittings & Adapters CPVC Gray Special Reinforced (SR) Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Encapsulated Special Reinforced (SR) Female Adapter (continued)

Soc x ESR Fipt

835-003CESR	3/8	25	300	096	15.74
835-005CESR	1/2	25	300	096	8.17
835-007CESR	3/4	25	300	096	8.63
835-010CESR	1	25	200	096	19.01
835-012CESR	1-1/4	10	80	096	19.46
835-015CESR	1-1/2	10	0	096	25.19
835-020CESR	2	10	0	096	39.16

Special Reinforced Spigot Female Adapter

Spig x SR Fipt - Stainless Steel Collar



878-005CSR	1/2	50	600	096	5.68
878-007CSR	3/4	25	300	096	5.99
878-010CSR	1	50	0	096	13.48
878-012CSR	1-1/4	25	0	096	13.95
878-015CSR	1-1/2	25	0	096	16.19
878-020CSR	2	15	0	096	29.49
878-030CSR	3	5	0	096	107.49
878-040CSR	4	5	0	096	180.45

Special Reinforced Reducing Female Adapter

Soc x SR Fipt - Stainless Steel Collar



835-074CSR	1/2X3/4	50	400	096	5.76
835-101CSR	3/4X1/2	50	400	096	5.76
835-102CSR	3/4X1	50	0	096	13.13
835-130CSR	1X1/2	50	0	096	13.13
835-131CSR	1X3/4	25	200	096	13.13

Encapsulated Special Reinforced (SR) Female Adapter

Spig x ESR Fipt



878-005CESR	1/2	50	600	096	8.41
878-007CESR	3/4	25	300	096	8.95
878-010CESR	1	50	0	096	19.19
878-012CESR	1-1/4	25	0	096	19.71
878-015CESR	1-1/2	25	0	096	25.70
878-020CESR	2	15	0	096	39.72

Special Reinforced Reducing Spigot Female Adapter

Spig x SR Fipt - Stainless Steel Collar



878-072CSR	1/2X1/4	25	450	096	16.28
878-098CSR	3/4X1/4	50	400	096	18.95
878-128CSR	1X1/4	50	400	096	21.21

Reinforced Male Adapter

R Mipt x Soc - Stainless Steel Sleeve



836-005CR	1/2	25	150	096	8.19
836-007CR	3/4	25	300	096	9.38
836-010CR	1	10	120	096	11.12

Special Reinforced Reducing Bushing

Mipt x SR Fipt - Stainless Steel Collar



839-209CSR	1-1/2X1/2	25	200	096	21.00
839-210CSR	1-1/2X3/4	25	100	096	21.00
839-247CSR	2X1/2	10	120	096	23.21
839-248CSR	2X3/4	10	120	096	23.21
839-249CSR	2X1	10	120	096	23.21
839-420CSR	4X2	6	0	096	128.88

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Reducer Bushing

Spig x SR Fipt - Stainless Steel Collar



838-128CSR	1X1/4	25	150	096	12.10
838-207CSR	1-1/2X1/4	25	200	096	20.47
838-209CSR	1-1/2X1/2	10	120	096	21.34
838-210CSR	1-1/2X3/4	10	120	096	21.34
838-247CSR	2X1/2	10	80	096	29.32
838-248CSR	2X3/4	10	80	096	29.32
838-249CSR	2X1	10	80	096	29.32
838-334CSR	3X3/4	10	0	096	124.15
838-335CSR	3X1	10	0	096	124.15
838-336CSR	3X1-1/4	10	0	096	124.15
838-337CSR	3X1-1/2	10	0	096	124.15
838-528CSR	6X2	5	0	096	426.81
838-530CSR	6X3	5	0	096	426.81

Special Reinforced Cap

SR Fipt - Stainless Steel Collar



848-002CSR	1/4	25	500	096	6.71
848-003CSR	3/8	25	450	096	6.71
848-007CSR	3/4	25	300	096	10.45
848-030CSR	3	5	0	096	116.66

Special Reinforced Union 2000

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8099-005CSR	1/2	20	160	096	15.02
8099-007CSR	3/4	20	160	096	26.67
8099-010CSR	1	15	90	096	36.93
8099-012CSR	1-1/4	10	0	096	69.96
8099-015CSR	1-1/2	10	0	096	76.09
8099-020CSR	2	5	0	096	80.12
8099-025CSR	2-1/2	5	0	096	137.43
8099-030CSR	3	5	0	096	223.20
8099-040CSR	4	4	0	096	262.13
8099-060CSR	6	1	0	096	582.54

Special Reinforced Union 2000

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8059-005CSR	1/2	25	200	096	15.32
8059-007CSR	3/4	20	160	096	27.03
8059-010CSR	1	15	90	096	37.24
8059-012CSR	1-1/4	10	0	096	71.00
8059-015CSR	1-1/2	10	0	096	77.18
8059-020CSR	2	5	0	096	80.35
8059-030CSR	3	5	0	096	226.04
8059-040CSR	4	4	0	096	263.72

Special Reinforced Union 2000

SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8058-005CSR	1/2	20	160	096	15.72
8058-007CSR	3/4	20	80	096	27.41
8058-010CSR	1	15	90	096	37.67
8058-012CSR	1-1/4	10	0	096	71.00
8058-015CSR	1-1/2	10	0	096	77.48
8058-020CSR	2	5	0	096	81.64
8058-030CSR	3	5	0	096	230.71
8058-040CSR	4	4	0	096	270.28



Transition Fittings & Adapters CPVC Gray Special Reinforced (SR) Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Union 2000 (continued)

SR Fipt with Viton® O-ring Seal - Stainless Steel Collar

8058-060CSR	6	1	0	096	608.69
-------------	---	---	---	-----	--------

Special Reinforced Union 2000

SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8098-005CSR	1/2	20	160	096	15.20
8098-007CSR	3/4	20	80	096	27.16
8098-010CSR	1	15	90	096	37.24
8098-012CSR	1-1/4	10	0	096	70.31
8098-015CSR	1-1/2	10	0	096	76.88
8098-020CSR	2	5	0	096	80.84
8098-025CSR	2-1/2	5	0	096	139.70
8098-030CSR	3	5	0	096	227.14
8098-040CSR	4	4	0	096	262.95
8098-060CSR	6	1	0	096	584.34

Special Reinforced Union (Old Style)

Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-002CSR	1/4	25	150	096	23.95
899-003CSR	3/8	25	100	096	23.95
899-005CSR	1/2	10	60	096	15.02
899-007CSR	3/4	10	40	096	26.67
899-010CSR	1	10	40	096	36.93
899-012CSR	1-1/4	5	20	096	69.96
899-015CSR	1-1/2	5	0	096	76.09
899-020CSR	2	5	0	096	80.12
899-030CSR	3	5	0	096	223.20
899-040CSR	4	4	0	096	262.13

Special Reinforced Union (Old Style)

Soc x SR Fipt with Viton® O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-002CSR	1/4	25	150	096	24.11
859-003CSR	3/8	25	100	096	24.11
859-005CSR	1/2	10	60	096	15.32
859-007CSR	3/4	10	40	096	27.03
859-010CSR	1	10	40	096	37.24
859-012CSR	1-1/4	5	20	096	71.00
859-015CSR	1-1/2	5	0	096	77.18
859-020CSR	2	5	0	096	80.35
859-030CSR	3	5	0	096	226.04
859-040CSR	4	4	0	096	263.72

Special Reinforced Flange One Piece Threaded

SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

852-005CSR	1/2	25	0	096	19.62
852-007CSR	3/4	25	0	096	23.80
852-010CSR	1	15	0	096	26.04
852-012CSR	1-1/4	15	0	096	36.03
852-015CSR	1-1/2	15	0	096	38.20
852-020CSR	2	10	0	096	39.13
852-025CSR	2-1/2	10	0	090	62.96
852-030CSR	3	10	0	096	62.47
852-040CSR	4	5	0	096	117.06

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets



Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171-002CSR	1/4	25	150	101	47.31
8171-003CSR	3/8	25	200	101	47.31
8171-005CSR	1/2	25	0	101	47.31
8171-007CSR	3/4	25	0	101	56.62
8171-010CSR	1	25	0	101	64.05
8171-012CSR	1-1/4	20	0	101	82.62
8171-015CSR	1-1/2	20	0	101	92.76
8171-020CSR	2	15	0	101	128.27
8171-025CSR	2-1/2	4	0	101	195.12
8171-030CSR	3	4	0	101	232.24
8171-040CSR	4	2	0	101	373.24
8171-060CSR	6	1	0	101	985.77

CPVC New Style Special Reinforced (SR) Threaded Tank Adapters with EPDM Gaskets



Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171E-002CSR	1/4	25	150	101	53.62
8171E-003CSR	3/8	25	200	101	53.62
8171E-005CSR	1/2	25	0	101	53.62
8171E-007CSR	3/4	25	0	101	60.60
8171E-010CSR	1	25	0	101	72.46
8171E-012CSR	1-1/4	20	0	101	90.55
8171E-015CSR	1-1/2	20	0	101	97.97
8171E-020CSR	2	15	0	101	138.50
8171E-025CSR	2-1/2	4	0	101	203.53
8171E-030CSR	3	4	0	101	242.30
8171E-040CSR	4	2	0	101	388.48
8171E-060CSR	6	2	0	101	1025.93

CPVC New Style Special Reinforced (SR) Threaded Tank Adapters with Viton® Gaskets



Soc x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8171V-002CSR	1/4	25	150	101	69.86
8171V-003CSR	3/8	25	200	101	69.86
8171V-005CSR	1/2	25	0	101	69.86
8171V-007CSR	3/4	25	0	101	80.76
8171V-010CSR	1	25	0	101	93.95
8171V-012CSR	1-1/4	20	0	101	116.46
8171V-015CSR	1-1/2	20	0	101	124.36
8171V-020CSR	2	15	0	101	185.18
8171V-025CSR	2-1/2	4	0	101	272.90
8171V-030CSR	3	4	0	101	324.95
8171V-040CSR	4	2	0	101	693.84
8171V-060CSR	6	2	0	101	1713.06

CPVC New Style Special Reinforced (SR) Threaded Tank Adapters with Neoprene Gaskets



Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172-002CSR	1/4	25	150	101	62.67
8172-003CSR	3/8	25	200	101	62.67
8172-005CSR	1/2	25	0	101	62.67
8172-007CSR	3/4	25	0	101	72.78
8172-010CSR	1	25	0	101	80.19
8172-012CSR	1-1/4	20	0	101	113.76
8172-015CSR	1-1/2	20	0	101	127.09
8172-020CSR	2	15	0	101	157.13
8172-025CSR	2-1/2	4	0	101	228.05

Transition Fittings & Adapters
CPVC Gray Special Reinforced (SR) Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

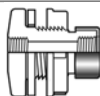
**CPVC New Style Special Reinforced (SR) Threaded
Tank Adapters with Neoprene Gaskets (continued)**

Fipt x SR Fipt - Stainless Steel Collar

8172-030CSR	3	4	0	101	271.49
8172-040CSR	4	2	0	101	416.98
8172-060CSR	6	2	0	101	1117.17

**CPVC New Style Special Reinforced (SR)
Threaded Tank Adapters with EPDM Gaskets**

Fipt x SR Fipt - Stainless Steel Collar

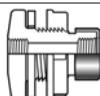


150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172E-002CSR	1/4	25	150	101	65.12
8172E-003CSR	3/8	25	200	101	65.12
8172E-005CSR	1/2	25	0	101	65.12
8172E-007CSR	3/4	25	0	101	77.11
8172E-010CSR	1	25	0	101	83.71
8172E-012CSR	1-1/4	20	0	101	118.16
8172E-015CSR	1-1/2	20	0	101	137.37
8172E-020CSR	2	15	0	101	168.61
8172E-025CSR	2-1/2	4	0	101	254.35
8172E-030CSR	3	4	0	101	302.79
8172E-040CSR	4	2	0	101	490.19
8172E-060CSR	6	2	0	101	1133.70

**CPVC New Style Special Reinforced (SR)
Threaded Tank Adapters with Viton® Gaskets**

Fipt x SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8172V-002CSR	1/4	25	150	101	100.00
8172V-003CSR	3/8	25	200	101	100.00
8172V-005CSR	1/2	25	0	101	100.00
8172V-007CSR	3/4	25	0	101	113.13
8172V-010CSR	1	25	0	101	130.65
8172V-012CSR	1-1/4	20	0	101	161.31
8172V-015CSR	1-1/2	20	0	101	169.89
8172V-020CSR	2	15	0	101	261.10
8172V-025CSR	2-1/2	4	0	101	377.28
8172V-030CSR	3	4	0	101	449.15
8172V-040CSR	4	2	0	101	1146.09
8172V-060CSR	6	2	0	101	2081.00

CPVC Elastomer Expansion Joint

with EPDM Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007CSR	3/4	10	0	085	197.81
EJ21-010CSR	1	10	0	085	227.48
EJ21-012CSR	1-1/4	15	0	085	251.37
EJ21-015CSR	1-1/2	10	0	085	320.41
EJ21-020CSR	2	8	0	085	423.52
EJ21-025CSR	2-1/2	4	0	085	588.17
EJ21-030CSR	3	2	0	085	783.37



Transition Fittings & Adapters CPVC Gray Brass Thread Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Transition Tee

Soc x Fipt With Brass Thread Insert



802-005CBR	1/2	20	160	096	55.46
802-007CBR	3/4	25	0	096	110.91

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Reducing Tee

Soc x Fipt With Brass Thread Insert



802-101CBR	3/4X1/2	50	0	096	68.74
------------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition 90° El

Soc x Fipt With Brass Thread Insert



807-005CBR	1/2	20	240	096	48.76
807-007CBR	3/4	20	160	096	85.13

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Reducing 90° El

Soc x Fipt With Brass Thread Insert



807-101CBR	3/4X1/2	20	120	096	60.98
------------	---------	----	-----	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Female Adapter

Soc x Fipt With Brass Thread Insert



835-005CBR	1/2	25	150	096	30.06
835-007CBR	3/4	15	90	096	62.21
835-010CBR	1	15	90	096	109.17
835-012CBR	1-1/4	15	60	096	178.10
835-015CBR	1-1/2	10	80	096	234.82
835-020CBR	2	8	32	096	293.28

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Female Adapter

Soc x Fipt With Type 316 Stainless Steel Thread Insert



835-005CSS	1/2	25	150	096	59.02
835-007CSS	3/4	15	90	096	82.40
835-010CSS	1	15	90	096	144.22
835-012CSS	1-1/4	15	0	096	234.38
835-015CSS	1-1/2	10	60	096	305.78
835-020CSS	2	8	32	096	357.85

Transition Male Adapter w/Brass Thread

Brass Mipt x Socket

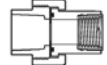


836-005CBR	1/2	40	160	096	66.63
836-007CBR	3/4	40	160	096	93.81
836-010CBR	1	10	60	096	163.39
836-012CBR	1-1/4	10	60	096	265.77
836-015CBR	1-1/2	10	40	096	345.52
836-020CBR	2	8	32	096	404.89

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union

Soc x Fipt with Brass Thread Insert & Viton® O-ring Seal



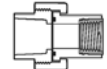
235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

859-007CBR	3/4	10	20	096	138.86
859-010CBR	1	10	0	096	154.66
859-012CBR	1-1/4	5	0	096	259.26
859-015CBR	1-1/2	5	0	096	294.62
859-020CBR	2	5	0	096	332.98

Not intended to convey or dispense water for human consumption through drinking or cooking

Union

Soc x Fipt with Brass Thread Insert & EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

899-007CBR	3/4	10	40	096	136.51
899-010CBR	1	10	0	096	152.76
899-012CBR	1-1/4	5	20	096	255.99
899-015CBR	1-1/2	5	0	096	290.86
899-020CBR	2	5	0	096	328.90

Not intended to convey or dispense water for human consumption through drinking or cooking

Transition Fittings & Adapters CPVC Orange Special Reinforced (SR) Fittings



The CPVC Orange fittings in this section (4200 series part numbers) are approved by Underwriters Laboratories, FM Global, and LPCB for use in CPVC Fire Sprinkler Systems. When installed in these systems, installation must be made in accordance with Spears® publication FG-3, *FlameGuard® CPVC Fire Sprinkler Products Installation Instructions*, and local codes. However, these fittings can also be used in many other types of installations, such as hot water distribution. CPVC fittings may also be used on PVC pipe when installed with a quality CPVC solvent cement meeting the requirements of ASTM F 493, Standard Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Sprinkler Head Tee - Special Reinforced Plastic Thread Style with Wrench Flats

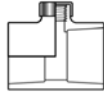
Socket x Socket x SR FIPT - Zinc Collar



4202-010SR	1	15	0	076	19.38
4202-130SR	1X1/2	50	0	076	7.55

Sprinkler Head Tee - Special Reinforced Plastic Thread Style

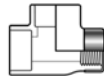
Socket x Socket x SR FIPT - Stainless Steel Collar



4202-101SR	3/4X1/2	50	0	076	6.99
4202-124SR	1X3/4X1/2	50	0	076	7.55
4202-156SR	1-1/4X1X1/2	15	0	076	12.59
4202-166SR	1-1/4X1/2	15	0	076	12.59
4202-168SR	1-1/4X1	15	0	076	27.06
4202-199SR	1-1/2X1-1/4X1/2	10	0	076	16.57
4202-209SR	1-1/2X1/2	25	0	076	16.57
4202-211SR	1-1/2X1-1/2X1	10	0	076	16.57
4202-237SR	2X1-1/2X1/2	10	0	076	23.38
4202-247SR	2X1/2	10	0	076	23.38
4202-287SR	2-1/2X1/2	10	0	076	32.04

Sprinkler Head Tee - Special Reinforced Plastic Thread Style

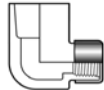
Socket x SR FIPT x Socket - Stainless Steel Collar



4203-122SR	1X1/2X1	50	0	076	8.11
------------	---------	----	---	-----	------

Sprinkler Head 90° Ell - Special Reinforced Plastic Thread Style

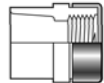
Socket x SR FIPT - Stainless Steel Collar



4207-101SR	3/4X1/2	20	180	076	4.61
4207-130SR	1X1/2	10	150	076	6.50
4207-131SR	1X3/4	50	0	076	7.86
4207-166SR	1-1/4X1/2	25	0	076	8.26

Female Adapter - Special Reinforced Plastic Thread Style

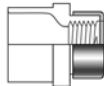
Socket x SR FIPT - Stainless Steel Collar



4235-007SR	3/4	25	300	076	8.22
4235-010SR	1	25	200	076	14.45
4235-012SR	1-1/4	10	60	076	23.52

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style

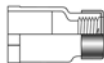
Socket x SR FIPT - Stainless Steel Collar



4235-101SR	3/4X1/2	50	200	076	5.02
4235-130SR	1X1/2	50	0	076	5.37
4235-131SR	1X3/4	50	0	076	8.50

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style with Socket Body Wrench Flats

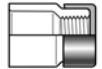
Socket x SR FIPT - Stainless Steel Collar



W4235-101SR	3/4X1/2	50	0	076	5.73
W4235-130SR	1X1/2	50	0	076	6.13

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread with Metal Thread Start

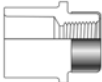
Socket x SR FIPT - Zinc Collar



Z4235-101SR	3/4X1/2	50	200	076	5.02
-------------	---------	----	-----	-----	------

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style with Positioning Ring

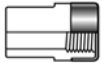
Socket x SR FIPT - Stainless Steel Collar



R4235-101SR	3/4X1/2	25	300	076	5.67
-------------	---------	----	-----	-----	------

Spigot Female Sprinkler Head Adapters - Special Reinforced Plastic Threaded Style

Spigot x SR FIPT - Stainless Steel Collar



4238-101SR	3/4X1/2	50	400	076	5.02
4238-130SR	1X1/2	50	0	076	5.43

Adjustable Sprinkler Head Adapters - Special Reinforced Plastic Thread Style

Socket x SR FIPT - Zinc Collar



42001SR	3/4X1/2	12	0	076	12.82
42011SR	1X1/2	12	0	076	12.82

Adjustable Sprinkler Head Adapters - Special Reinforced Plastic Thread Style

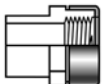
Spigot x SR FIPT - Zinc Collar



42004SR	3/4X1/2	12	0	076	12.82
42014SR	1X1/2	12	0	076	12.82

Spigot Female Adapter - Special Reinforced Plastic Thread Style

Spigot x SR FIPT - Stainless Steel Collar



4278-007SR	3/4	25	300	076	8.63
4278-010SR	1	50	0	076	15.36



Transition Fittings & Adapters CPVC Orange Brass Thread Fittings

The CPVC Orange fittings in this section (4200 series part numbers) are approved by Underwriters Laboratories, FM Global, and LPCB for use in CPVC Fire Sprinkler Systems. When installed in these systems, installation must be made in accordance with Spears® publication FG-3, *FlameGuard® CPVC Fire Sprinkler Products Installation Instructions*, and local codes. However, these fittings can also be used in many other types of installations, such as hot water distribution. CPVC fittings may also be used on PVC pipe when installed with a quality CPVC solvent cement meeting the requirements of ASTM F 493, Standard Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Sprinkler Head Tee - Brass Thread Insert Style Socket x Socket x FIPT



4202-101	3/4X1/2	50	0	076	13.14
4202-124	1X3/4X1/2	50	0	076	14.18
4202-130	1X1/2	50	0	076	14.18
4202-010	1	10	40	076	36.47
4202-156	1-1/4X1X1/2	15	0	076	23.65
4202-166	1-1/4X1/2	15	0	076	23.65
4202-199	1-1/2X1-1/4X1/2	10	0	076	31.15
4202-209	1-1/2X1/2	10	0	076	31.15
4202-237	2X1-1/2X1/2	10	0	076	43.93
4202-247	2X1/2	10	0	076	43.93

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head Tee - Brass Thread Insert Style Socket x FIPT x Socket



4203-122	1X1/2X1	50	0	076	23.29
----------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head 90° Ell - Brass Thread Insert Style Socket x FIPT



4207-101	3/4X1/2	20	120	076	8.68
4207-130	1X1/2	15	90	076	12.20
4207-131	1X3/4	25	0	076	14.76
4207-166	1-1/4X1/2	10	60	076	16.99

Not intended to convey or dispense water for human consumption through drinking or cooking

Female Adapter - Brass Thread Insert Style Socket x FIPT



4235-007	3/4	15	90	076	17.32
4235-010	1	15	90	076	30.39
4235-012	1-1/4	15	60	076	49.54
4235-015	1-1/2	10	40	076	66.09
4235-020	2	8	32	076	82.83

Not intended to convey or dispense water for human consumption through drinking or cooking

Spigot Female Adapter - Brass Thread Insert Style Spigot x FIPT



4278-007	3/4	25	150	076	16.20
4278-010	1	15	90	076	28.85

Not intended to convey or dispense water for human consumption through drinking or cooking

TorqueSafe™ Female Sprinkler Head Adapter - Gasket Sealed Brass Thread Insert Style Socket x Gasket FIPT



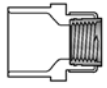
4235-130GS	1X1/2	50	0	076	10.10
------------	-------	----	---	-----	-------

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

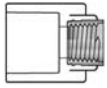
Female Sprinkler Head Adapter - Brass Thread Insert Style Socket x FIPT



4235-101	3/4X1/2	50	0	076	9.46
4235-130	1X1/2	50	0	076	10.10
4235-131	1X3/4	50	0	076	15.96

Not intended to convey or dispense water for human consumption through drinking or cooking

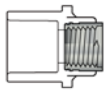
Female Sprinkler Head Adapter - Brass Thread Insert Style with Long Body Socket x FIPT



L4235-130	1X1/2	50	0	076	14.32
-----------	-------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

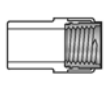
Female Sprinkler Head Adapter - Brass Thread Insert Style with Positioning Ring Socket x FIPT



R4235-101	3/4X1/2	50	0	076	9.46
-----------	---------	----	---	-----	------

Not intended to convey or dispense water for human consumption through drinking or cooking

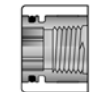
Spigot Female Sprinkler Head Adapters - Brass Thread Insert Style Spigot x FIPT



4238-101	3/4X1/2	50	0	076	9.46
4238-130	1X1/2	50	0	076	10.10

Not intended to convey or dispense water for human consumption through drinking or cooking

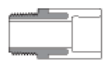
Bushing - with Brass Thread Insert Spigot x FIPT



4238-130BR	1X1/2	50	300	076	13.07
------------	-------	----	-----	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Male Adapter MIPT x Socket



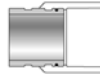
4236-007	3/4	40	160	076	38.97
4236-010	1	10	60	076	59.58
4236-012	1-1/4	10	60	076	71.25
4236-015	1-1/2	10	40	076	129.31
4236-020	2	8	32	076	172.08

Transition Fittings & Adapters
CPVC Orange Brass Grooved Coupling Adapter



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Grooved Coupling Adapter
 Brass Groove End x Socket



4233-012	1-1/4	10	40	076	97.98
4233-015	1-1/2	10	40	076	103.84
4233-020	2	8	32	076	120.27
4233-025	2-1/2	5	0	076	154.27
4233-030	3	5	0	076	171.50

Not intended to convey or dispense water for human consumption through drinking or cooking



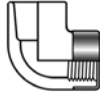
Transition Fittings & Adapters CTS CPVC Tan Special Reinforced (SR) Fittings & CTS CPVC Tan Brass Thread Fittings

CTS CPVC Tan Special Reinforced (SR) Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

SPECIAL REINFORCED 90° ELL

Socket x SR Fipt - Stainless Steel Collar



4107-005SR	1/2	50	300	035	8.56
------------	-----	----	-----	-----	------

ZINC DROP EAR REINFORCED CTS 90° ELL (One Piece Unit)

Socket x SR Fipt - Zinc Collar



DEZ4107-005SR	1/2	10	150	035	19.25
---------------	-----	----	-----	-----	-------

DROP EAR SPECIAL REINFORCED 90° ELL (Fitting Plus Bracket)

Socket x SR Fipt - Stainless Steel Collar

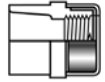


DE4107-005SR	1/2	10	200	035	13.23
--------------	-----	----	-----	-----	-------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

SPECIAL REINFORCED FEMALE ADAPTER

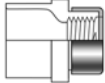
Socket x SR Fipt - Stainless Steel Collar



4135-005SR	1/2	25	200	035	6.61
4135-007SR	3/4	25	300	035	7.27
4135-010SR	1	5	100	035	9.22

SPECIAL REINFORCED REDUCING FEMALE ADAPTER

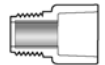
Socket x SR Fipt - Stainless Steel Collar



4135-131SR	1X3/4	25	150	035	14.52
------------	-------	----	-----	-----	-------

REINFORCED MALE ADAPTER (Internal Stainless Steel Reinforced)

R Mipt x Socket - Stainless Steel Sleeve



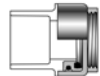
4136-005R	1/2	25	300	035	8.48
4136-007R	3/4	25	300	035	9.43
4136-010R	1	10	120	035	14.05

CTS CPVC Tan Brass Thread Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

GASKET SEALED BRASS THREAD TRANSITION FEMALE ADAPTER

Socket x Gasket FPT - Use NO Thread Sealant

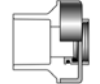


NSF Certified Lead Free

4135-005BRG	1/2	25	150	035	38.20
4135-007BRG	3/4	25	150	035	42.07
4135-010BRG	1	15	90	035	125.49
4135-012BRG	1-1/4	15	60	035	238.42
4135-015BRG	1-1/2	10	40	035	310.76
4135-020BRG	2	8	32	035	456.90

GASKET SEALED BRASS THREAD TRANSITION REDUCING FEMALE ADAPTER

Socket x Gasket FPT - Use NO Thread Sealant



NSF Certified Lead Free

4135-101BRG	3/4X1/2	25	150	035	41.58
4135-130BRG	1X1/2	50	0	035	65.69

TRANSITION MALE ADAPTER w/BRASS THREAD

Brass Mipt x Socket



NSF Certified Lead Free

4136-005BR	1/2	60	360	035	38.20
4136-007BR	3/4	40	160	035	42.07
4136-010BR	1	10	60	035	125.49
4136-012BR	1-1/4	10	60	035	154.77
4136-015BR	1-1/2	10	40	035	204.31
4136-020BR	2	8	32	035	339.62

Transition Fittings & Adapters
CTS CPVC Tan Gasket Sealed Thread Fittings & Blue 75™ Thread Sealant



CTS CPVC Tan Gasket Sealed Thread Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

FEMALE ADAPTER with Gasket
Socket x NPSC



For Cold Water Service Only

4135-005OR	1/2	25	200	035	4.47
------------	------------	----	-----	-----	------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

FEMALE ADAPTER with Gasket (continued)
Socket x NPSC

4135-007OR	3/4	25	300	035	6.35
4135-010OR	1	5	100	035	7.24

Blue 75™ Thread Sealant

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------



Blue 75™ Thread Sealant

SB75-005	1/4 Pint	24	0	895	9.94
SB75-010	1/2 Pint	24	0	895	15.83
SB75-020	Pint	12	0	895	25.59
SB75-030	Quart	12	0	895	45.99



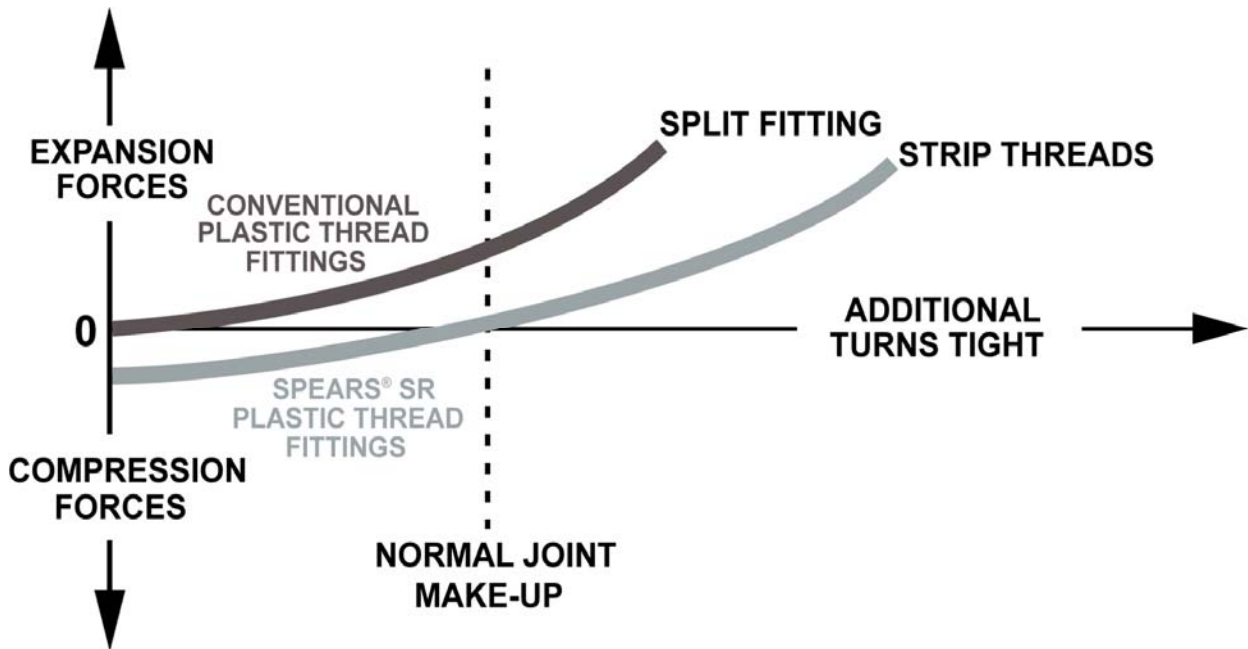
Polypropylene Fittings & Accessories Polypropylene Schedule 80 Natural & Black SR Threaded Fittings



- Featuring Patented Special Reinforced (SR) Thread
- Full 150 psi Pressure Rating at 73°F (23°C)
- High Grade Homopolymer Compound
- Excellent Chemical Resistance
- IPS Sizes 1/2" through 2"

Spears® Patented SR Fitting Design is One of the Most Significant Improvements in Threaded Thermoplastic Fittings . . .

Radial stress generated by tightening of tapered pipe threads exerts tremendous expansion forces on female plastic thread fittings. When subjected to over-tightening — even accidentally — these forces can literally split the fitting. Spears® patented SR Fitting design not only alleviates this problem by containing expansion forces with its stainless steel collar, but additionally compensates for expansion stress through thermoplastic material compression. Stresses are equalized at normal joint make-up. The following graph illustrates this effect in a comparison of conventional plastic female thread fittings with Spears® SR plastic thread fittings when taken to failure.



Another Quality Spears® Product Designed for
Performance, Customer Satisfaction and Service



Polypropylene Schedule 80 Natural SR Threaded Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee - Natural SR Fipt



4805-005SR	1/2	25	200	060	13.28
4805-007SR	3/4	15	120	060	14.74
4805-010SR	1	15	0	060	17.55
4805-015SR	1-1/2	10	0	060	26.01
4805-020SR	2	10	0	060	34.38

90° Ell - Natural SR Fipt



4808-005SR	1/2	20	240	060	10.79
4808-007SR	3/4	20	240	060	13.12
4808-010SR	1	50	0	060	16.21
4808-015SR	1-1/2	10	0	060	21.97
4808-020SR	2	25	0	060	29.89

45° Ell - Natural SR Fipt



4819-005SR	1/2	50	400	060	13.59
4819-007SR	3/4	50	300	060	15.29
4819-010SR	1	50	0	060	16.15
4819-015SR	1-1/2	25	0	060	21.97
4819-020SR	2	25	0	060	29.89

Coupling - Natural SR Fipt



4830-005SR	1/2	25	300	060	10.23
4830-007SR	3/4	25	300	060	12.81
4830-010SR	1	25	200	060	14.13
4830-015SR	1-1/2	10	80	060	18.47
4830-020SR	2	10	0	060	22.20

T.T. Bushing - Natural Mipt x Fipt



4839-101	3/4X1/2	10	300	060	15.83
4839-130	1X1/2	10	50	060	19.33
4839-131	1X3/4	10	50	060	19.33
4839-211	1-1/2X1	10	120	060	34.16
4839-249	2X1	10	50	060	49.52
4839-251	2X1-1/2	10	120	060	49.52

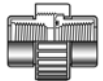
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Cap - Natural SR Fipt



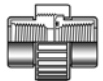
4848-005SR	1/2	50	300	060	9.70
4848-007SR	3/4	50	300	060	12.72
4848-010SR	1	15	180	060	14.13
4848-015SR	1-1/2	10	120	060	19.71
4848-020SR	2	10	80	060	22.20

Union - Natural SR Fipt with Viton® O-ring



4858-005SR	1/2	20	120	060	47.67
4858-007SR	3/4	20	80	060	51.95
4858-010SR	1	15	90	060	64.31
4858-015SR	1-1/2	10	0	060	97.41
4858-020SR	2	5	0	060	142.26

Union - Natural SR Fipt with EPDM O-ring



4898-005SR	1/2	20	120	060	46.73
4898-007SR	3/4	20	80	060	50.91
4898-010SR	1	15	90	060	63.02
4898-015SR	1-1/2	10	0	060	95.47
4898-020SR	2	5	0	060	139.41

Flange - Natural SR Fipt



4852-005SR	1/2	25	0	060	29.78
4852-007SR	3/4	25	0	060	32.27
4852-010SR	1	15	0	060	36.18
4852-015SR	1-1/2	15	0	060	50.72
4852-020SR	2	10	0	060	59.85

Blind Flange - Natural



4853-005	1/2	25	0	060	49.83
4853-007	3/4	25	0	060	51.47
4853-010	1	15	0	060	54.62
4853-015	1-1/2	15	0	060	90.20
4853-020	2	10	0	060	98.33

Polypropylene Schedule 80 Black SR Threaded Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee - Black SR Fipt



4805-005BSR	1/2	25	200	061	12.29
4805-007BSR	3/4	15	120	061	13.70
4805-010BSR	1	15	0	061	16.20
4805-015BSR	1-1/2	10	0	061	24.03
4805-020BSR	2	10	0	061	31.87

90° Ell - Black SR Fipt



4808-005BSR	1/2	20	240	061	10.03
-------------	-----	----	-----	-----	-------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° Ell - Black (continued) SR Fipt

4808-007BSR	3/4	20	240	061	12.19
4808-010BSR	1	50	0	061	15.02
4808-015BSR	1-1/2	25	0	061	20.27
4808-020BSR	2	10	0	061	27.60

45° Ell - Black SR Fipt



4819-005BSR	1/2	50	400	061	12.55
4819-007BSR	3/4	50	300	061	14.18
4819-010BSR	1	50	0	061	14.95
4819-015BSR	1-1/2	25	0	061	20.27



Polypropylene Fittings & Accessories

Polypropylene Schedule 80 Black SR Threaded Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

45° Ell - Black (continued)

SR Fipt

4819-020BSR	2	25	0	061	27.60
-------------	---	----	---	-----	-------

Coupling - Black

SR Fipt



4830-005BSR	1/2	25	300	061	9.52
4830-007BSR	3/4	25	300	061	11.87
4830-010BSR	1	25	200	061	13.05
4830-015BSR	1-1/2	10	80	061	17.09
4830-020BSR	2	10	0	061	20.53

T.T. Bushing - Black

Mipt x Fipt



4839-101B	3/4X1/2	10	300	061	14.71
4839-130B	1X1/2	10	50	061	17.93
4839-131B	1X3/4	10	50	061	17.93
4839-211B	1-1/2X1	25	0	061	31.56
4839-249B	2X1	10	120	061	45.73
4839-251B	2X1-1/2	10	120	061	45.73

Cap - Black

SR Fipt



4848-005BSR	1/2	50	300	061	9.02
4848-007BSR	3/4	50	300	061	11.87
4848-010BSR	1	15	180	061	13.06
4848-015BSR	1-1/2	10	120	061	18.23
4848-020BSR	2	10	80	061	20.53

Union - Black

SR Fipt with Viton® O-ring



4858-005BSR	1/2	20	120	061	45.14
4858-007BSR	3/4	20	80	061	48.93
4858-010BSR	1	15	90	061	60.35
4858-015BSR	1-1/2	10	0	061	87.62
4858-020BSR	2	5	0	061	136.73

Union - Black

SR Fipt with EPDM O-ring



4898-005BSR	1/2	20	120	061	43.31
4898-007BSR	3/4	20	80	061	47.46
4898-010BSR	1	15	90	061	58.37
4898-015BSR	1-1/2	10	0	061	88.41
4898-020BSR	2	5	0	061	130.53

Flange - Black

SR Fipt



4852-005BSR	1/2	25	0	061	27.56
4852-007BSR	3/4	25	0	061	29.79
4852-010BSR	1	15	0	061	33.41
4852-015BSR	1-1/2	15	0	061	46.93
4852-020BSR	2	10	0	061	55.33

Blind Flange - Black



4853-005B	1/2	25	0	061	46.05
4853-007B	3/4	25	0	061	47.09
4853-010B	1	15	0	061	50.47
4853-015B	1-1/2	15	0	061	83.49

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Blind Flange - Black (continued)

4853-020B	2	10	0	061	92.13
-----------	---	----	---	-----	-------

Polypropylene Fittings & Accessories Gauge Guards



Connections use Spears® Patented Special Reinforced (SR)
Female Threads on Pressure Inlet (1/4" or 1/2")

Pressure Rating
235 psi @ 73°F
16 BAR @ 22°C
Maximum Service Temperature
PP = 180°F (82°C)
Temperature/Pressure De-ratings Apply
Rated for Full Vacuum Service

Gauge Guards are pre-filled with glycerin-water
on units with Factory Installed Gauges.
"No Gauge" units are to be filled by end user.

PP GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
------	--------------------------	--------------------------	-----------	------------	--------------

PTFE Diaphragm

No Gauge	G0004-002P 115.43	G0004-005P 115.43	1	18	626
0-30 in-Hg	G30V4-002P 177.34	G30V4-005P 177.34	1	18	626
0-15 psi	G0154-002P 168.66	G0154-005P 168.66	1	18	626
0-30 psi	G0304-002P 168.66	G0304-005P 168.66	1	18	626
0-60 psi	G0604-002P 168.66	G0604-005P 168.66	1	18	626
0-100 psi	G1004-002P 168.66	G1004-005P 168.66	1	18	626
0-160 psi	G1604-002P 168.66	G1604-005P 168.66	1	18	626
0-200 psi	G2004-002P 168.66	G2004-005P 168.66	1	18	626
0-300 psi	G3004-002P 168.66	G3004-005P 168.66	1	18	626

Viton® Diaphragm

No Gauge	G0003-002P 115.43	G0003-005P 115.43	1	18	626
0-30 in-Hg	G30V3-002P 177.34	G30V3-005P 177.34	1	18	626
0-15 psi	G0153-002P 168.66	G0153-005P 168.66	1	18	626
0-30 psi	G0303-002P 168.66	G0303-005P 168.66	1	18	626
0-60 psi	G0603-002P 168.66	G0603-005P 168.66	1	18	626
0-100 psi	G1003-002P 168.66	G1003-005P 168.66	1	18	626
0-160 psi	G1603-002P 168.66	G1603-005P 168.66	1	18	626
0-200 psi	G2003-002P 168.66	G2003-005P 168.66	1	18	626
0-300 psi	G3003-002P 168.66	G3003-005P 168.66	1	18	626

EPDM Diaphragm

No Gauge	G0002-002P 110.87	G0002-005P 110.87	1	18	626
0-30 in-Hg	G30V2-002P 170.22	G30V2-005P 170.22	1	18	626
0-15 psi	G0152-002P 161.98	G0152-005P 161.98	1	18	626
0-30 psi	G0302-002P 161.98	G0302-005P 161.98	1	18	626
0-60 psi	G0602-002P 161.98	G0602-005P 161.98	1	18	626
0-100 psi	G1002-002P 161.98	G1002-005P 161.98	1	18	626
0-160 psi	G1602-002P 161.98	G1602-005P 161.98	1	18	626
0-200 psi	G2002-002P 161.98	G2002-005P 161.98	1	18	626
0-300 psi	G3002-002P 161.98	G3002-005P 161.98	1	18	626



Polypropylene Fittings & Accessories Needle Valves



Pressure Rating @ 73°F (23°C), Water
150 psi
Maximum Service Temperature
PP = 180°F (82°C)
Solid PTFE Stem Seals
No Elastomer or Lubricants used
Valves include Panel Mounting Nut

PP Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
------	----------	--------	-------------	--------	---------	-----------

Globe Pattern

1/4	5591-002P 74.61	---	---	1	18	219
3/8	5591-003P 74.61	---	---	1	18	219
1/2	---	---	5591-005PSR 82.51	1	18	219

Angle Pattern

1/4	5691-002P 74.61	---	---	1	18	219
3/8	5691-003P 74.61	---	---	1	18	219
1/2	---	---	5691-005PSR 82.51	1	18	219

Polypropylene Fittings & Accessories Industrial Swing Check Valves



Pressure Rating @ 73°F (23°C), Water
 3/4" - 4" 150 psi
 6" 100 psi
 8" 70 psi
 Maximum Service Temperature
 PP = 180°F (82°C)
 Temperature/Pressure De-ratings Apply
 All Valves Assembled with Silicone-Free Lubricants



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4"

Bolted Bonnet on Sizes 1-1/2" & Up

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec.

Industrial Swing Check Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PP					
3/4	4423-007P 535.13	4433-007P 594.57	1	12	113
1	4423-010P 640.18	4433-010P 697.72	1	4	113
1-1/4	4423-012P 767.27	4433-012P 852.44	1	0	113
1-1/2	4423-015P 952.63	4433-015P 1036.60	1	0	113
2	4423-020P 1018.54	4433-020P 1144.43	1	0	113
2-1/2	4423-025P 1695.87	4433-025P 1886.40	1	0	112
3	4423-030P 1782.89	4433-030P 2131.95	1	0	112
4	4423-040P 2425.12	4433-040P 2691.87	1	0	112
6	4423-060P 4593.89	4433-060P 5108.35	1	0	112
8	4423-080P 8793.37	4433-080P 9663.09	1	0	112

Swing Check Valve With Counter Balance (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PP					
1-1/4	4423CB-012P 836.13	4433CB-012P 1286.64	1	0	113
1-1/2	4423CB-015P 1181.87	4433CB-015P 1586.97	1	0	113
2	4423CB-020P 1273.18	4433CB-020P 1430.53	1	0	113
2-1/2	4423CB-025P 1965.59	4433CB-025P 2414.59	1	0	112
3	4423CB-030P 2391.55	4433CB-030P 2992.20	1	0	112
4	4423CB-040P 2738.68	4433CB-040P 3008.65	1	0	112
6	4423CB-060P 5095.38	4433CB-060P 6538.68	1	0	112
8	4423CB-080P 9302.09	4433CB-080P 10171.82	1	0	112

Swing Check Valve With Arrow Indicator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PP					
3/4	4423I-007P 542.77	4433I-007P 602.22	1	12	113
1	4423I-010P 650.88	4433I-010P 751.28	1	4	113
1-1/4	4423I-012P 836.13	4433I-012P 928.14	1	0	113
1-1/2	4423I-015P 1074.85	4433I-015P 928.14	1	0	113
2	4423I-020P 1046.65	4433I-020P 1186.88	1	0	113
2-1/2	4423I-025P 1705.73	4433I-025P 1911.57	1	0	112
3	4423I-030P 2125.84	4433I-030P 2218.84	1	0	112
4	4423I-040P 2434.99	4433I-040P 2701.78	1	0	112
6	4423I-060P 4693.04	4433I-060P 5151.40	1	0	112
8	4423I-080P 8858.86	4433I-080P 9760.76	1	0	112

Swing Check Valve With Counter Balance

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PP					
3/4	4423CB-007P 684.96	4433CB-007P 761.05	1	12	113
1	4423CB-010P 819.40	4433CB-010P 893.06	1	4	113



Polypropylene Fittings & Accessories Polypropylene Butterfly Valves



Lever Handle Style

Pressure Rating @ 73°F (23°C), Water

1-1/2" - 12" 150 psi

Maximum Service Temperature

PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features

Lever Handle

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	721311-015P 479.21	722311-015P 479.21	723311-015P 995.52	1	0	256
2	721311-020P 484.05	722311-020P 484.05	723311-020P 1015.84	1	0	256
2-1/2	721311-025P 505.90	722311-025P 505.90	723311-025P 1033.17	1	0	256
3	721311-030P 516.60	722311-030P 516.60	723311-030P 1053.40	1	0	256
4	721311-040P 576.09	722311-040P 576.09	723311-040P 1315.32	1	0	256
6	721311-060P 900.17	722311-060P 900.17	723311-060P 2079.82	1	0	256
8	721311-080P 1530.85	722311-080P 1530.85	723311-080P 3531.49	1	0	256

Gear Operator

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	721321-020P 1377.88	722321-020P 1377.88	723321-020P 1751.52	1	0	256
2-1/2	721321-025P 1396.22	722321-025P 1396.22	723321-025P 1843.49	1	0	256
3	721321-030P 1423.13	722321-030P 1423.13	723321-030P 1936.81	1	0	256
4	721321-040P 1516.28	722321-040P 1516.28	723321-040P 2203.06	1	0	256
6	721321-060P 1771.23	722321-060P 1771.23	723321-060P 2981.33	1	0	256
8	721321-080P 2420.47	722321-080P 2420.47	723321-080P 4451.30	1	0	256
10	721321-100P 3254.62	722321-100P 3254.62	723321-100P 7242.06	1	0	256
12	721321-120P 4506.98	722321-120P 4506.98	723321-120P 10584.19	1	0	256

Valve Only

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	721301-015P 442.88	722301-015P 442.88	723301-015P 878.52	1	0	256
2	721301-020P 451.91	722301-020P 451.91	723301-020P 894.48	1	0	256
2-1/2	721301-025P 469.26	722301-025P 469.26	723301-025P 927.50	1	0	256
3	721301-030P 483.85	722301-030P 483.85	723301-030P 951.80	1	0	256
4	721301-040P 553.54	722301-040P 553.54	723301-040P 1180.62	1	0	256
6	721301-060P 846.49	722301-060P 846.49	723301-060P 1909.59	1	0	256
8	721301-080P 1454.65	722301-080P 1454.65	723301-080P 3234.30	1	0	256
10	721301-100P 2905.46	722301-100P 2905.46	723301-100P 6481.34	1	0	256
12	721301-120P 3759.51	722301-120P 3759.51	723301-120P 9257.68	1	0	256



Pressure Rating @ 73°F (23°C), Water

Polypropylene - Gear Operator

1. *Journal of Management Studies*, 1996, 33, 1, 1-14.



Polypropylene Fittings & Accessories Diaphragm Valves



PP Thread Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi

1/2" - 4" Flanged
& Valves w/PTFE 150 psi
Diaphragms

6" 100 psi
8" 75 psi

Maximum Service Temperature
PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply
No Lubricants in Media Contact Area
See Diaphragm Valve Repair Kits Section
for Additional Options and Features

Contact Spears® for Pricing on
Additional Specialty Diaphragms

- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings
(for True Union Style Valves)

PP - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2721-005PSR 134.82	2731-005PSR 149.99	2721T-005PSR 215.53	2731T-005PSR 226.88	2731VT-005PSR 256.59	1	12	280
3/4	2721-007PSR 153.55	2731-007PSR 170.35	2721T-007PSR 225.65	2731T-007PSR 239.43	2731VT-007PSR 281.09	1	8	280
1	2721-010PSR 189.94	2731-010PSR 209.28	2721T-010PSR 328.95	2731T-010PSR 346.06	2731VT-010PSR 365.13	1	8	280
1-1/4	2721-012PSR 288.47	2731-012PSR 321.22	2721T-012PSR 450.38	2731T-012PSR 472.19	2731VT-012PSR 524.01	1	4	280
1-1/2	2721-015PSR 301.74	2731-015PSR 334.96	2721T-015PSR 480.29	2731T-015PSR 503.60	2731VT-015PSR 542.39	1	4	280
2	2721-020PSR 350.94	2731-020PSR 390.00	2721T-020PSR 547.97	2731T-020PSR 574.95	2731VT-020PSR 624.86	1	0	280

PP - Flanged Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
2-1/2	2723-025P 646.52	2733-025P 714.46	2793T-025P 1017.22	2793VT-025P 1136.01	1	0	281
3	2723-030P 924.44	2733-030P 1021.38	2793T-030P 1406.76	2793VT-030P 1568.65	1	0	281
4	2723-040P 1330.17	2733-040P 1464.46	2793T-040P 1875.24	2793VT-040P 2079.93	1	0	281
6	2723-060P 3291.95	2733-060P 3657.72	2793T-060P 4699.95	2793VT-060P 5312.49	1	0	281
8	2723-080P 8195.43	2733-080P 7378.19	2793T-080P 8531.82	2793VT-080P 14376.83	1	0	281

Thermoplastic Valves True Union 2000 Industrial Ball Valves



Socket Style



SR Threaded Style



6 inch Lever Handle Style

All Valves Assembled with Silicone-Free, Water Soluble Lubricant
Contact Spears® for Pricing on Custom Elastomer Seals

See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

Pressure Rating @ 73°F (23°C), Water

1/2" - 4"	235 psi
6" - 8"	150 psi
All Flanged	150 psi

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

Note: Standard 6" Valve uses lockout type Lever-Style Handle for proper leverage. Non-locking T-Handle is more compact, but will increase difficulty of operation.

True Union 2000 Industrial Ball Valves have Built-in Handle Lockouts (except 6" T-Handle Option)

PVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded & Socket Ends					
1/2	1829-005 47.21	1839-005 52.51	1	18	600
3/4	1829-007 55.86	1839-007 62.14	1	18	600
1	1829-010 66.52	1839-010 74.09	1	12	600
1-1/4	1829-012 92.02	1839-012 117.46	1	8	600
1-1/2	1829-015 110.84	1839-015 123.04	1	8	600
2	1829-020 146.26	1839-020 161.06	1	4	600

Socket Ends

2-1/2	1822-025 281.15	1832-025 380.96	1	0	601
3	1822-030 370.67	1832-030 411.86	1	0	601
4	1822-040 626.28	1832-040 695.87	1	0	601
6	1822-060 1352.89	1832-060 1501.36	1	0	612
8	1822-080 1799.35	1832-080 1996.81	1	0	612

8" Venturied valves are 6" ball valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	1821-025 281.15	1831-025 380.96	1	0	601
3	1821-030 370.67	1831-030 411.86	1	0	601
4	1821-040 626.28	1831-040 695.87	1	0	601
6	1821-060 1352.89	1831-060 1501.36	1	0	612

SR Threaded Ends

1/2	1821-005SR 48.21	1831-005SR 53.54	1	18	600
3/4	1821-007SR 58.29	1831-007SR 64.60	1	18	600
1	1821-010SR 68.96	1831-010SR 76.53	1	12	600
1-1/4	1821-012SR 99.35	1831-012SR 124.80	1	8	600
1-1/2	1821-015SR 118.73	1831-015SR 130.93	1	8	600
2	1821-020SR 154.80	1831-020SR 169.44	1	4	600

PVC Industrial (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
SR Threaded Ends					
2-1/2	1821-025SR 304.12	1831-025SR 403.90	1	0	601
3	1821-030SR 393.65	1831-030SR 434.83	1	0	601
4	1821-040SR 653.10	1831-040SR 722.69	1	0	601
6	1821-060SR 1391.15	1831-060SR 1539.60	1	0	612

Spigot Ends

1/2	1827-005 47.21	1837-005 52.51	1	18	600
3/4	1827-007 55.86	1837-007 62.14	1	18	600
1	1827-010 66.52	1837-010 74.09	1	12	600
1-1/4	1827-012 92.02	1837-012 117.46	1	8	600
1-1/2	1827-015 110.84	1837-015 123.04	1	8	600
2	1827-020 146.26	1837-020 161.06	1	4	600
2-1/2	1827-025 281.15	1837-025 380.96	1	0	601
3	1827-030 370.67	1837-030 411.86	1	0	601
4	1827-040 626.28	1837-040 695.87	1	0	601
6	1827-060 1352.89	1837-060 1501.36	1	0	612

Flanged Ends

1/2	1823-005 67.53	1833-005 72.02	1	8	600
3/4	1823-007 85.54	1833-007 93.05	1	8	600
1	1823-010 103.53	1833-010 111.35	1	8	600
1-1/4	1823-012 121.57	1833-012 135.06	1	8	600
1-1/2	1823-015 153.10	1833-015 166.59	1	4	600
2	1823-020 243.78	1833-020 258.56	1	0	600
2-1/2	1823-025 450.21	1833-025 457.66	1	0	601
3	1823-030 497.62	1833-030 617.83	1	0	601



Thermoplastic Valves True Union 2000 Industrial Ball Valves

PVC Industrial (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
4	1823-040 1000.54	1833-040 1159.79	1	0	601
6	1823-060 2130.35	1833-060 2470.10	1	0	612
8	1823-080 2833.36	1833-080 3285.23	1	0	612

8" Venturied valves are 6" ball valves fitted with 6x8 end connector adapters.

PVC 6" Industrial T-Handle Valve Option (Non-Locking)

NOTICE: T-Handle is more compact, but will greatly increase difficulty of operation.

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket Ends

6	18226-060 1352.89	18326-060 1501.36	1	0	612
----------	-----------------------------	-----------------------------	---	---	-----

Threaded Ends

6	18216-060 1352.89	18316-060 1501.36	1	0	612
----------	-----------------------------	-----------------------------	---	---	-----

SR Threaded Ends

6	18216-060SR 1391.15	18316-060SR 1539.60	1	0	612
----------	-------------------------------	-------------------------------	---	---	-----

Flanged Ends

6	18236-060 2130.35	18336-060 2470.10	1	0	612
----------	-----------------------------	-----------------------------	---	---	-----

CPVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Threaded & Socket Ends

1/2	1829-005C 62.35	1839-005C 69.28	1	18	602
3/4	1829-007C 78.52	1839-007C 87.27	1	18	602
1	1829-010C 93.48	1839-010C 103.86	1	12	602
1-1/4	1829-012C 148.61	1839-012C 165.17	1	8	602
1-1/2	1829-015C 156.95	1839-015C 174.39	1	8	602
2	1829-020C 209.90	1839-020C 241.30	1	4	602

Socket Ends

2-1/2	1822-025C 470.62	1832-025C 522.88	1	0	603
3	1822-030C 550.26	1832-030C 611.45	1	0	603
4	1822-040C 997.11	1832-040C 1107.88	1	0	603
6	1822-060C 2122.69	1832-060C 2358.38	1	0	613
8	1822-080C 2823.20	1832-080C 3136.67	1	0	613

8" Venturied valves are 6" ball valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	1821-025C 470.62	1831-025C 522.88	1	0	603
3	1821-030C 550.26	1831-030C 611.45	1	0	603
4	1821-040C 997.11	1831-040C 1107.88	1	0	603
6	1821-060C 2122.69	1831-060C 2358.38	1	0	613

SR Threaded Ends

1/2	1821-005CSR 63.35	1831-005CSR 70.29	1	18	602
3/4	1821-007CSR 80.97	1831-007CSR 89.71	1	18	602
1	1821-010CSR 95.93	1831-010CSR 106.29	1	12	602

CPVC Industrial (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/4	1821-012CSR 155.96	1831-012CSR 172.52	1	8	602
1-1/2	1821-015CSR 164.85	1831-015CSR 182.26	1	8	602
2	1821-020CSR 218.45	1831-020CSR 249.85	1	4	602
2-1/2	1821-025CSR 493.60	1831-025CSR 545.85	1	0	603
3	1821-030CSR 573.23	1831-030CSR 634.41	1	0	603
4	1821-040CSR 1023.91	1831-040CSR 1134.72	1	0	603
6	1821-060CSR 2180.86	1831-060CSR 2416.54	1	0	613

Spigot Ends

1/2	1827-005C 62.35	1837-005C 69.28	1	18	602
3/4	1827-007C 78.52	1837-007C 87.27	1	18	602
1	1827-010C 93.48	1837-010C 103.86	1	12	602
1-1/4	1827-012C 148.61	1837-012C 165.17	1	8	602
1-1/2	1827-015C 156.95	1837-015C 174.39	1	8	602
2	1827-020C 209.90	1837-020C 241.30	1	4	602
2-1/2	1827-025C 470.62	1837-025C 522.88	1	0	603
3	1827-030C 550.26	1837-030C 611.45	1	0	603
4	1827-040C 997.11	1837-040C 1107.88	1	0	603
6	1827-060C 2122.69	1837-060C 2358.38	1	0	613

Flanged Ends

1/2	1823-005C 105.79	1833-005C 108.07	1	8	602
3/4	1823-007C 129.68	1833-007C 135.06	1	8	602
1	1823-010C 148.45	1833-010C 157.59	1	8	602
1-1/4	1823-012C 221.81	1833-012C 229.60	1	8	602
1-1/2	1823-015C 243.98	1833-015C 252.11	1	4	602
2	1823-020C 339.51	1833-020C 404.35	1	0	602
2-1/2	1823-025C 633.67	1833-025C 760.61	1	0	603
3	1823-030C 926.70	1833-030C 947.83	1	0	603
4	1823-040C 1625.28	1833-040C 1690.28	1	0	603
6	1823-060C 3461.83	1833-060C 3599.57	1	0	613
8	1823-080C 4604.22	1833-080C 4787.41	1	0	613

8" Venturied valves are 6" ball valves fitted with 6x8 end connector adapters.

CPVC 6" Industrial T-Handle Valve Option (Non-Locking) NOTICE: T-Handle is more compact, but will greatly increase difficulty of operation.

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket Ends

6	18226-060C 2122.69	18326-060C 2358.38	1	0	613
----------	------------------------------	------------------------------	---	---	-----

Threaded Ends

6	18216-060C 2122.69	18316-060C 2358.38	1	0	613
----------	------------------------------	------------------------------	---	---	-----

Thermoplastic Valves
True Union 2000 Industrial Valves & True Union 2000 Industrial Vented/Bleach Ball Valves



True Union 2000 Industrial Ball Valves

CPVC 6" Industrial T-Handle Valve Option (Non-Locking) NOTICE: T-Handle is more compact, but will greatly increase difficulty of operation.

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

SR Threaded Ends

6	18216-060CSR 2180.86	18316-060CSR 2416.54	1	0	613
----------	--------------------------------	--------------------------------	---	---	-----

Flanged Ends

6	18236-060C 3461.83	18336-060C 3599.57	1	0	613
----------	------------------------------	------------------------------	---	---	-----

True Union 2000 Industrial Vented/Bleach Ball Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" 235 psi
 6" 150 psi
 Flanged 150 psi

Same True Union 2000 Industrial Ball Valve with Special Ball Vent Design for Sodium Hypochlorite (Bleach) and other Chemical Applications where entrapped fluids may form caustic crystalline residues and pressure build up from gases developed. Valve has a 1/8" vent hole in ball to equalize internal fluid pressures. Install valve with ball vent on the pressure (upstream) side when in closed position.

All Valves assembled with Silicone-Free, Water Soluble Lubricant

Contact Spears® for Pricing & Availability on Custom Elastomer Seals. See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC True Union 2000 Industrial Vented/Bleach Ball Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Threaded & Socket Ends

1/2	1829V-005 55.53	1839V-005 61.81	1	18	600
3/4	1829V-007 65.71	1839V-007 73.09	1	18	600
1	1829V-010 78.27	1839V-010 87.16	1	12	600
1-1/4	1829V-012 108.27	1839V-012 138.18	1	8	600
1-1/2	1829V-015 130.39	1839V-015 144.76	1	8	600
2	1829V-020 172.06	1839V-020 189.49	1	4	600

Socket Ends

2-1/2	1822V-025 330.76	1832V-025 448.17	1	0	601
3	1822V-030 370.67	1832V-030 484.53	1	0	601
4	1822V-040 626.28	1832V-040 818.66	1	0	601
6	1822V-060 1591.65	1832V-060 1876.69	1	0	612

SR Threaded Ends

1/2	1821V-005SR 56.73	1831V-005SR 63.00	1	18	600
3/4	1821V-007SR 68.57	1831V-007SR 75.99	1	18	600
1	1821V-010SR 81.14	1831V-010SR 90.05	1	12	600
1-1/4	1821V-012SR 116.89	1831V-012SR 146.81	1	8	600
1-1/2	1821V-015SR 139.69	1831V-015SR 154.05	1	8	600
2	1821V-020SR 182.12	1831V-020SR 199.33	1	4	600
2-1/2	1821V-025SR 357.79	1831V-025SR 475.18	1	0	601

PVC True Union 2000 Industrial Vented/Bleach Ball Valves (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

SR Threaded Ends

3	1821V-030SR 463.13	1831V-030SR 511.56	1	0	601
4	1821V-040SR 768.34	1831V-040SR 850.23	1	0	601

Flanged Ends

1/2	1823V-005 79.57	1833V-005 85.00	1	8	600
3/4	1823V-007 100.65	1833V-007 109.46	1	8	600
1	1823V-010 121.80	1833V-010 130.98	1	8	600
1-1/4	1823V-012 143.03	1833V-012 195.97	1	8	600
1-1/2	1823V-015 180.12	1833V-015 195.97	1	4	600
2	1823V-020 286.80	1833V-020 304.19	1	0	600
2-1/2	1823V-025 529.66	1833V-025 538.41	1	0	601
3	1823V-030 585.43	1833V-030 726.84	1	0	601
4	1823V-040 1177.11	1833V-040 1364.47	1	0	601
6	1823V-060 2506.31	1833V-060 2906.00	1	0	612

CPVC True Union 2000 Industrial Vented/Bleach Ball Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Threaded & Socket Ends

Threaded End Connectors available on request

1/2	1829V-005C 73.34	1839V-005C 81.50	1	18	602
3/4	1829V-007C 92.37	1839V-007C 102.67	1	18	602



Thermoplastic Valves
True Union 2000 Industrial Vented/Bleach Ball Valves

CPVC True Union 2000 Industrial Vented/Bleach Ball Valves (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	-----------	------------	--------------

Threaded & Socket Ends

1	1829V-010C 109.98	1839V-010C 122.19	1	12	602
1-1/4	1829V-012C 174.84	1839V-012C 194.34	1	8	602
1-1/2	1829V-015C 184.65	1839V-015C 205.16	1	8	602
2	1829V-020C 246.96	1839V-020C 283.87	1	4	602

Socket Ends

2-1/2	1822V-025C 553.67	1832V-025C 615.13	1	0	603
3	1822V-030C 647.37	1832V-030C 719.33	1	0	603
4	1822V-040C 1173.05	1832V-040C 1303.40	1	0	603
6	1822V-060C 2497.30	1832V-060C 2774.57	1	0	613

SR Threaded Ends

1/2	1821V-005CSR 74.51	1831V-005CSR 82.70	1	18	602
3/4	1821V-007CSR 95.27	1831V-007CSR 105.52	1	18	602
1	1821V-010CSR 112.83	1831V-010CSR 125.04	1	12	602
1-1/4	1821V-012CSR 183.46	1831V-012CSR 202.97	1	8	602
1-1/2	1821V-015CSR 193.94	1831V-015CSR 214.44	1	8	602
2	1821V-020CSR 257.01	1831V-020CSR 293.94	1	4	602
2-1/2	1821V-025CSR 580.70	1831V-025CSR 642.17	1	0	603
3	1821V-030CSR 674.40	1831V-030CSR 746.37	1	0	603
4	1821V-040CSR 1204.61	1831V-040CSR 1334.97	1	0	603

Flanged Ends

1/2	1823V-005C 124.45	1833V-005C 127.13	1	8	602
3/4	1823V-007C 152.56	1833V-007C 158.93	1	8	602
1	1823V-010C 174.65	1833V-010C 185.40	1	8	602
1-1/4	1823V-012C 260.96	1833V-012C 270.11	1	8	602
1-1/2	1823V-015C 287.03	1833V-015C 296.61	1	4	602
2	1823V-020C 399.43	1833V-020C 475.69	1	0	602
2-1/2	1823V-025C 745.50	1833V-025C 894.83	1	0	603
3	1823V-030C 1090.23	1833V-030C 1115.07	1	0	603
4	1823V-040C 1988.55	1833V-040C 1988.57	1	0	603
6	1823V-060C 4234.79	1833V-060C 4234.79	1	0	613

Thermoplastic Valves True Union 2000 Industrial 3-Way Ball Valves



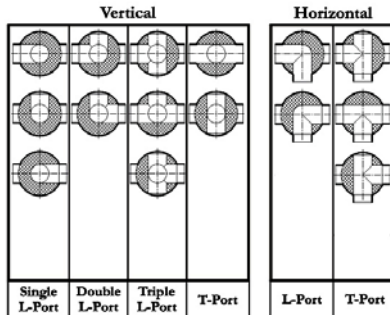
Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 2-1/2" - 4" 150 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
 Vertical 3-Way or Horizontal Diverter Design
 (No Branch Shut-off)

All Standard Carton Quantities are one
 All Valves assembled with Silicone-Free,
 Water Soluble Lubricant

See Ball Valve Accessories & Repair Kits Section
 for Additional Options and Features

Ball Port Options



Ball port options viewed from top of valve



Horizontal Diverter Valve



Vertical 3-Way Valve

PVC Horizontal Diverter Ball Valves

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	L-Port	5022L1-005 97.41	5021L1-005SR 100.56	5027L1-005 97.41	5023L1-005 198.96	5032L1-005 105.66	5031L1-005SR 110.43	5037L1-005 105.66	5033L1-005 207.85	615
	T-Port	5022T1-005 97.41	5021T1-005SR 100.56	5027T1-005 97.41	5023T1-005 198.96	5032T1-005 105.66	5031T1-005SR 110.43	5037T1-005 105.66	5033T1-005 207.85	615
3/4	L-Port	5022L1-007 116.18	5021L1-007SR 120.04	5027L1-007 116.18	5023L1-007 208.17	5032L1-007 125.05	5031L1-007SR 128.94	5037L1-007 125.05	5033L1-007 219.68	615
	T-Port	5022T1-007 116.18	5021T1-007SR 120.04	5027T1-007 116.18	5023T1-007 208.17	5032T1-007 125.05	5031T1-007SR 128.94	5037T1-007 125.05	5033T1-007 219.68	615
1	L-Port	5022L1-010 140.86	5021L1-010SR 144.65	5027L1-010 140.86	5023L1-010 296.70	5032L1-010 155.18	5031L1-010SR 159.03	5037L1-010 155.18	5033L1-010 324.35	615
	T-Port	5022T1-010 140.86	5021T1-010SR 144.65	5027T1-010 140.86	5023T1-010 296.70	5032T1-010 155.18	5031T1-010SR 159.03	5037T1-010 155.18	5033T1-010 324.35	615
1-1/4	L-Port	5022L1-012 163.27	5021L1-012SR 170.65	5027L1-012 163.27	5023L1-012 561.16	5032L1-012 183.65	5031L1-012SR 191.37	5037L1-012 183.65	5033L1-012 594.39	615
	T-Port	5022T1-012 163.27	5021T1-012SR 170.65	5027T1-012 163.27	5023T1-012 561.16	5032T1-012 183.65	5031T1-012SR 191.37	5037T1-012 183.65	5033T1-012 594.39	615
1-1/2	L-Port	5022L1-015 190.90	5021L1-015SR 203.24	5027L1-015 190.90	5023L1-015 578.10	5032L1-015 209.00	5031L1-015SR 221.33	5037L1-015 209.00	5033L1-015 604.60	615
	T-Port	5022T1-015 190.90	5021T1-015SR 203.24	5027T1-015 190.90	5023T1-015 578.10	5032T1-015 209.00	5031T1-015SR 221.33	5037T1-015 209.00	5033T1-015 604.60	615
2	L-Port	5022L1-020 234.18	5021L1-020SR 246.51	5027L1-020 234.18	5023L1-020 750.72	5032L1-020 273.02	5031L1-020SR 286.41	5037L1-020 273.02	5033L1-020 788.41	615
	T-Port	5022T1-020 234.18	5021T1-020SR 246.51	5027T1-020 234.18	5023T1-020 750.72	5032T1-020 273.02	5031T1-020SR 286.41	5037T1-020 273.02	5033T1-020 788.41	615
2-1/2	L-Port	5022L1-025 789.56	5021L1-025SR 824.12	5027L1-025 789.56	5023L1-025 1318.14	5032L1-025 839.60	5031L1-025SR 874.14	5037L1-025 839.60	5033L1-025 1544.72	615
	T-Port	5022T1-025 789.56	5021T1-025SR 824.12	5027T1-025 789.56	5023T1-025 1318.14	5032T1-025 839.60	5031T1-025SR 874.14	5037T1-025 839.60	5033T1-025 1544.72	615
3	L-Port	5022L1-030 805.69	5021L1-030SR 841.90	5027L1-030 805.69	5023L1-030 1335.43	5032L1-030 852.76	5031L1-030SR 887.30	5037L1-030 852.76	5033L1-030 1551.81	615
	T-Port	5022T1-030 805.69	5021T1-030SR 841.90	5027T1-030 805.69	5023T1-030 1335.43	5032T1-030 852.76	5031T1-030SR 887.30	5037T1-030 852.76	5033T1-030 1551.81	615
4	L-Port	5022L1-040 1459.17	5021L1-040SR 1498.68	5027L1-040 1459.17	5023L1-040 1940.18	5032L1-040 1475.63	5031L1-040SR 1515.13	5037L1-040 1475.63	5033L1-040 2120.71	615
	T-Port	5022T1-040 1459.17	5021T1-040SR 1498.68	5027T1-040 1459.17	5023T1-040 1940.18	5032T1-040 1475.63	5031T1-040SR 1515.13	5037T1-040 1475.63	5033T1-040 2120.71	615

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
 Progressive Products from Spears® Innovation and Technology

Page 357



Thermoplastic Valves True Union 2000 Industrial 3-Way Ball Valves

CPVC Horizontal Diverter Ball Valves

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	L-Port	5022L1-005C 149.93	5021L1-005CSR 154.69	5027L1-005C 149.93	5023L1-005C 306.09	5032L1-005C 162.43	5031L1-005CSR 169.83	5037L1-005C 162.43	5033L1-005C 319.73	617
	T-Port	5022T1-005C 149.93	5021T1-005CSR 154.69	5027T1-005C 149.93	5023T1-005C 306.09	5032T1-005C 162.43	5031T1-005CSR 169.83	5037T1-005C 162.43	5033T1-005C 319.73	617
3/4	L-Port	5022L1-007C 178.71	5021L1-007CSR 184.65	5027L1-007C 178.71	5023L1-007C 320.24	5032L1-007C 192.37	5031L1-007CSR 198.29	5037L1-007C 192.37	5033L1-007C 338.01	617
	T-Port	5022T1-007C 178.71	5021T1-007CSR 184.65	5027T1-007C 178.71	5023T1-007C 320.24	5032T1-007C 192.37	5031T1-007CSR 198.29	5037T1-007C 192.37	5033T1-007C 338.01	617
1	L-Port	5022L1-010C 216.71	5021L1-010CSR 222.50	5027L1-010C 216.71	5023L1-010C 456.32	5032L1-010C 238.78	5031L1-010CSR 244.53	5037L1-010C 238.78	5033L1-010C 498.95	617
	T-Port	5022T1-010C 216.71	5021T1-010CSR 222.50	5027T1-010C 216.71	5023T1-010C 456.32	5032T1-010C 238.78	5031T1-010CSR 244.53	5037T1-010C 238.78	5033T1-010C 498.95	617
1-1/4	L-Port	5022L1-012C 251.13	5021L1-012CSR 262.48	5027L1-012C 251.13	5023L1-012C 863.30	5032L1-012C 281.56	5031L1-012CSR 294.40	5037L1-012C 281.56	5033L1-012C 914.49	617
	T-Port	5022T1-012C 251.13	5021T1-012CSR 262.48	5027T1-012C 251.13	5023T1-012C 863.30	5032T1-012C 281.56	5031T1-012CSR 294.40	5037T1-012C 281.56	5033T1-012C 914.49	617
1-1/2	L-Port	5022L1-015C 293.76	5021L1-015CSR 312.67	5027L1-015C 293.76	5023L1-015C 889.44	5032L1-015C 321.52	5031L1-015CSR 340.47	5037L1-015C 321.52	5033L1-015C 930.10	617
	T-Port	5022T1-015C 293.76	5021T1-015CSR 312.67	5027T1-015C 293.76	5023T1-015C 889.44	5032T1-015C 321.52	5031T1-015CSR 340.47	5037T1-015C 321.52	5033T1-015C 930.10	617
2	L-Port	5022L1-020C 360.38	5021L1-020CSR 379.24	5027L1-020C 360.38	5023L1-020C 1154.90	5032L1-020C 420.01	5031L1-020CSR 440.54	5037L1-020C 420.01	5033L1-020C 1212.98	617
	T-Port	5022T1-020C 360.38	5021T1-020CSR 379.24	5027T1-020C 360.38	5023T1-020C 1154.90	5032T1-020C 420.01	5031T1-020CSR 440.54	5037T1-020C 420.01	5033T1-020C 1212.98	617
2-1/2	L-Port	5022L1-025C 1214.79	5021L1-025CSR 1267.78	5027L1-025C 1214.79	5023L1-025C 2027.88	5032L1-025C 1291.65	5031L1-025CSR 1344.84	5037L1-025C 1291.65	5033L1-025C 2376.52	617
	T-Port	5022T1-025C 1214.79	5021T1-025CSR 1267.78	5027T1-025C 1214.79	5023T1-025C 2027.88	5032T1-025C 1291.65	5031T1-025CSR 1344.84	5037T1-025C 1291.65	5033T1-025C 2376.52	617
3	L-Port	5022L1-030C 1239.48	5021L1-030CSR 1295.26	5027L1-030C 1239.48	5023L1-030C 2055.21	5032L1-030C 1311.88	5031L1-030CSR 1365.06	5037L1-030C 1311.88	5033L1-030C 2387.47	617
	T-Port	5022T1-030C 1239.48	5021T1-030CSR 1295.26	5027T1-030C 1239.48	5023T1-030C 2055.21	5032T1-030C 1311.88	5031T1-030CSR 1365.06	5037T1-030C 1311.88	5033T1-030C 2387.47	617
4	L-Port	5022L1-040C 2244.79	5021L1-040CSR 2305.50	5027L1-040C 2244.79	5023L1-040C 2984.98	5032L1-040C 2270.14	5031L1-040CSR 2330.97	5037L1-040C 2270.14	5033L1-040C 3262.61	617
	T-Port	5022T1-040C 2244.79	5021T1-040CSR 2305.50	5027T1-040C 2244.79	5023T1-040C 2984.98	5032T1-040C 2270.14	5031T1-040CSR 2330.97	5037T1-040C 2270.14	5033T1-040C 3262.61	617

PVC Vertical 3-Way Ball Valves

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	L-Port	4722L1-005 96.93	4721L1-005SR 98.47	4727L1-005 96.93	4723L1-005 200.29	4732L1-005 104.98	4731L1-005SR 106.54	4737L1-005 104.98	4733L1-005 207.51	615
	Double L-Port	4722L2-005 193.04	4721L2-005SR 194.59	4727L2-005 193.04	4723L2-005 296.39	4732L2-005 201.10	4731L2-005SR 202.66	4737L2-005 201.10	4733L2-005 303.62	615
	Triple L-Port	4722L3-005 193.04	4721L3-005SR 194.59	4727L3-005 193.04	4723L3-005 296.39	4732L3-005 201.10	4731L3-005SR 202.66	4737L3-005 201.10	4733L3-005 303.62	615
	T-Port	4722T1-005 96.93	4721T1-005SR 98.47	4727T1-005 96.93	4723T1-005 200.29	4732T1-005 104.98	4731T1-005SR 106.54	4737T1-005 104.98	4733T1-005 207.51	615
3/4	L-Port	4722L1-007 113.70	4721L1-007SR 117.59	4727L1-007 113.70	4723L1-007 210.31	4732L1-007 123.91	4731L1-007SR 127.77	4737L1-007 123.91	4733L1-007 219.20	615
	Double L-Port	4722L2-007 209.82	4721L2-007SR 213.67	4727L2-007 209.82	4723L2-007 306.43	4732L2-007 220.02	4731L2-007SR 223.88	4737L2-007 220.02	4733L2-007 315.30	615
	Triple L-Port	4722L3-007 209.82	4721L3-007SR 213.67	4727L3-007 209.82	4723L3-007 306.43	4732L3-007 220.02	4731L3-007SR 223.88	4737L3-007 220.02	4733L3-007 315.30	615
	T-Port	4722T1-007 113.70	4721T1-007SR 117.59	4727T1-007 113.70	4723T1-007 210.31	4732T1-007 123.91	4731T1-007SR 127.77	4737T1-007 123.91	4733T1-007 219.20	615
1	L-Port	4722L1-010 138.22	4721L1-010SR 142.10	4727L1-010 138.22	4723L1-010 299.99	4732L1-010 153.88	4731L1-010SR 157.73	4737L1-010 153.88	4733L1-010 324.68	615
	Double L-Port	4722L2-010 234.36	4721L2-010SR 238.22	4727L2-010 234.36	4723L2-010 396.11	4732L2-010 249.96	4731L2-010SR 253.84	4737L2-010 249.96	4733L2-010 420.79	615
	Triple L-Port	4722L3-010 234.36	4721L3-010SR 238.22	4727L3-010 234.36	4723L3-010 396.11	4732L3-010 249.96	4731L3-010SR 253.84	4737L3-010 249.96	4733L3-010 420.79	615
	T-Port	4722T1-010 138.22	4721T1-010SR 142.10	4727T1-010 138.22	4723T1-010 299.99	4732T1-010 153.88	4731T1-010SR 157.73	4737T1-010 153.88	4733T1-010 324.68	615
1-1/4	L-Port	4722L1-012 167.19	4721L1-012SR 174.94	4727L1-012 167.19	4723L1-012 565.44	4732L1-012 196.99	4731L1-012SR 204.72	4737L1-012 196.99	4733L1-012 598.01	615
	Double L-Port	4722L2-012 263.31	4721L2-012SR 271.04	4727L2-012 263.31	4723L2-012 661.54	4732L2-012 293.10	4731L2-012SR 300.82	4737L2-012 293.10	4733L2-012 694.13	615
	Triple L-Port	4722L3-012 263.31	4721L3-012SR 271.04	4727L3-012 263.31	4723L3-012 661.54	4732L3-012 293.10	4731L3-012SR 300.82	4737L3-012 293.10	4733L3-012 694.13	615
	T-Port	4722T1-012 167.19	4721T1-012SR 174.94	4727T1-012 167.19	4723T1-012 565.44	4732T1-012 196.99	4731T1-012SR 204.72	4737T1-012 196.99	4733T1-012 598.01	615

Thermoplastic Valves True Union 2000 Industrial 3-Way Ball Valves



PVC Vertical 3-Way Ball Valves (continued)

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1-1/2	L-Port	4722L1-015 193.34	4721L1-015SR 205.71	4727L1-015 193.34	4723L1-015 586.51	4732L1-015 211.95	4731L1-015SR 224.30	4737L1-015 211.95	4733L1-015 604.60	615
	Double L-Port	4722L2-015 289.47	4721L2-015SR 301.80	4727L2-015 289.47	4723L2-015 682.60	4732L2-015 308.05	4731L2-015SR 320.40	4737L2-015 308.05	4733L2-015 700.70	615
	Triple L-Port	4722L3-015 289.47	4721L3-015SR 301.80	4727L3-015 289.47	4723L3-015 682.60	4732L3-015 308.05	4731L3-015SR 320.40	4737L3-015 308.05	4733L3-015 700.70	615
	T-Port	4722T1-015 193.34	4721T1-015SR 205.71	4727T1-015 193.34	4723T1-015 586.51	4732T1-015 211.95	4731T1-015SR 224.30	4737T1-015 211.95	4733T1-015 604.60	615
2	L-Port	4722L1-020 237.13	4721L1-020SR 250.54	4727L1-020 237.13	4723L1-020 755.82	4732L1-020 275.32	4731L1-020SR 288.72	4737L1-020 275.32	4733L1-020 789.26	615
	Double L-Port	4722L2-020 333.22	4721L2-020SR 346.66	4727L2-020 333.22	4723L2-020 851.94	4732L2-020 371.43	4731L2-020SR 384.82	4737L2-020 371.43	4733L2-020 885.33	615
	Triple L-Port	4722L3-020 333.22	4721L3-020SR 346.66	4727L3-020 333.22	4723L3-020 851.94	4732L3-020 371.43	4731L3-020SR 384.82	4737L3-020 371.43	4733L3-020 885.33	615
	T-Port	4722T1-020 237.13	4721T1-020SR 250.54	4727T1-020 237.13	4723T1-020 755.82	4732T1-020 275.32	4731T1-020SR 288.72	4737T1-020 275.32	4733T1-020 789.26	615
2-1/2	L-Port	4722L1-025 834.01	4721L1-025SR 868.57	4727L1-025 834.01	4723L1-025 1323.90	4732L1-025 843.39	4731L1-025SR 877.96	4737L1-025 843.39	4733L1-025 1542.93	615
	Double L-Port	4722L2-025 930.10	4721L2-025SR 964.66	4727L2-025 930.10	4723L2-025 1420.01	4732L2-025 939.49	4731L2-025SR 974.04	4737L2-025 939.49	4733L2-025 1639.04	615
	Triple L-Port	4722L3-025 930.10	4721L3-025SR 964.66	4727L3-025 930.10	4723L3-025 1420.01	4732L3-025 939.49	4731L3-025SR 974.04	4737L3-025 939.49	4733L3-025 1639.04	615
	T-Port	4722T1-025 834.01	4721T1-025SR 868.57	4727T1-025 834.01	4723T1-025 1323.90	4732T1-025 843.39	4731T1-025SR 877.96	4737T1-025 843.39	4733T1-025 1542.93	615
3	L-Port	4722L1-030 851.11	4721L1-030SR 885.67	4727L1-030 851.11	4723L1-030 1342.16	4732L1-030 858.68	4731L1-030SR 893.24	4737L1-030 858.68	4733L1-030 1553.15	615
	Double L-Port	4722L2-030 947.22	4721L2-030SR 981.79	4727L2-030 947.22	4723L2-030 1438.28	4732L2-030 954.80	4731L2-030SR 989.34	4737L2-030 954.80	4733L2-030 1649.24	615
	Triple L-Port	4722L3-030 947.22	4721L3-030SR 981.79	4727L3-030 947.22	4723L3-030 1438.28	4732L3-030 954.80	4731L3-030SR 989.34	4737L3-030 954.80	4733L3-030 1649.24	615
	T-Port	4722T1-030 851.11	4721T1-030SR 885.67	4727T1-030 851.11	4723T1-030 1342.16	4732T1-030 858.68	4731T1-030SR 893.24	4737T1-030 858.68	4733T1-030 1553.15	615
4	L-Port	4722L1-040 1471.18	4721L1-040SR 1510.67	4727L1-040 1471.18	4723L1-040 1951.21	4732L1-040 1485.50	4731L1-040SR 1524.99	4737L1-040 1485.50	4733L1-040 2043.69	615
	Double L-Port	4722L2-040 1567.31	4721L2-040SR 1606.77	4727L2-040 1567.31	4723L2-040 2047.32	4732L2-040 1581.61	4731L2-040SR 1621.11	4737L2-040 1581.61	4733L2-040 2139.80	615
	Triple L-Port	4722L3-040 1567.31	4721L3-040SR 1606.77	4727L3-040 1567.31	4723L3-040 2047.32	4732L3-040 1581.61	4731L3-040SR 1621.11	4737L3-040 1581.61	4733L3-040 2139.80	615
	T-Port	4722T1-040 1471.18	4721T1-040SR 1510.67	4727T1-040 1471.18	4723T1-040 1951.21	4732T1-040 1485.50	4731T1-040SR 1524.99	4737T1-040 1485.50	4733T1-040 2043.69	615

CPVC Vertical 3-Way Ball Valves

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	L-Port	4722L1-005C 149.09	4721L1-005CSR 151.55	4727L1-005C 149.09	4723L1-005C 308.05	4732L1-005C 161.43	4731L1-005CSR 163.89	4737L1-005C 161.43	4733L1-005C 319.26	617
	Double L-Port	4722L2-005C 297.04	4721L2-005CSR 299.33	4727L2-005C 297.04	4723L2-005C 456.00	4732L2-005C 309.38	4731L2-005CSR 311.69	4737L2-005C 309.38	4733L2-005C 467.03	617
	Triple L-Port	4722L3-005C 297.04	4721L3-005CSR 299.33	4727L3-005C 297.04	4723L3-005C 456.00	4732L3-005C 309.38	4731L3-005CSR 311.69	4737L3-005C 309.38	4733L3-005C 467.03	617
	T-Port	4722T1-005C 149.09	4721T1-005CSR 151.55	4727T1-005C 149.09	4723T1-005C 308.05	4732T1-005C 161.43	4731T1-005CSR 163.89	4737T1-005C 161.43	4733T1-005C 319.26	617
3/4	L-Port	4722L1-007C 174.94	4721L1-007CSR 181.01	4727L1-007C 174.94	4723L1-007C 323.53	4732L1-007C 190.57	4731L1-007CSR 196.65	4737L1-007C 190.57	4733L1-007C 337.18	617
	Double L-Port	4722L2-007C 322.87	4721L2-007CSR 328.62	4727L2-007C 322.87	4723L2-007C 471.32	4732L2-007C 338.50	4731L2-007CSR 344.43	4737L2-007C 338.50	4733L2-007C 484.96	617
	Triple L-Port	4722L3-007C 322.87	4721L3-007CSR 328.62	4727L3-007C 322.87	4723L3-007C 471.32	4732L3-007C 338.50	4731L3-007CSR 344.43	4737L3-007C 338.50	4733L3-007C 484.96	617
	T-Port	4722T1-007C 174.94	4721T1-007CSR 181.01	4727T1-007C 174.50	4723T1-007C 323.53	4732T1-007C 190.57	4731T1-007CSR 196.65	4737T1-007C 190.57	4733T1-007C 337.18	617
1	L-Port	4722L1-010C 212.62	4721L1-010CSR 218.55	4727L1-010C 212.62	4723L1-010C 461.43	4732L1-010C 236.81	4731L1-010CSR 242.73	4737L1-010C 236.81	4733L1-010C 499.44	617
	Double L-Port	4722L2-010C 360.54	4721L2-010CSR 366.47	4727L2-010C 360.54	4723L2-010C 609.36	4732L2-010C 384.57	4731L2-010CSR 390.52	4737L2-010C 384.57	4733L2-010C 647.38	617
	Triple L-Port	4722L3-010C 360.54	4721L3-010CSR 366.47	4727L3-010C 360.54	4723L3-010C 609.36	4732L3-010C 384.57	4731L3-010CSR 390.52	4737L3-010C 384.57	4733L3-010C 647.38	617
	T-Port	4722T1-010C 212.62	4721T1-010CSR 218.55	4727T1-010C 212.62	4723T1-010C 461.43	4732T1-010C 236.81	4731T1-010CSR 242.73	4737T1-010C 236.81	4733T1-010C 499.44	617



Thermoplastic Valves True Union 2000 Industrial 3-Way Ball Valves

CPVC Vertical 3-Way Ball Valves (continued)

Material		EPDM				Viton®				Disc Code
Joint		Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Ball Port	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1-1/4	L-Port	4722L1-012C 257.21	4721L1-012CSR 269.05	4727L1-012C 257.21	4723L1-012C 869.87	4732L1-012C 303.12	4731L1-012CSR 314.97	4737L1-012C 303.12	4733L1-012C 920.06	617
	Double L-Port	4722L2-012C 404.98	4721L2-012CSR 416.83	4727L2-012C 404.98	4723L2-012C 1017.66	4732L2-012C 450.89	4731L2-012CSR 463.57	4737L2-012C 450.89	4733L2-012C 694.13	617
	Triple L-Port	4722L3-012C 404.98	4721L3-012CSR 416.83	4727L3-012C 404.98	4723L3-012C 1017.66	4732L3-012C 450.89	4731L3-012CSR 463.57	4737L3-012C 450.89	4733L3-012C 1067.84	617
	T-Port	4722T1-012C 257.21	4721T1-012CSR 269.05	4727T1-012C 257.21	4723T1-012C 869.87	4732T1-012C 303.12	4731T1-012CSR 314.97	4737T1-012C 303.12	4733T1-012C 920.06	617
1-1/2	L-Port	4722L1-015C 297.35	4721L1-015CSR 316.45	4727L1-015C 297.35	4723L1-015C 902.31	4732L1-015C 325.99	4731L1-015CSR 345.07	4737L1-015C 325.99	4733L1-015C 930.10	617
	Double L-Port	4722L2-015C 445.32	4721L2-015CSR 464.22	4727L2-015C 445.32	4723L2-015C 1050.05	4732L2-015C 473.95	4731L2-015CSR 530.69	4737L2-015C 473.95	4733L2-015C 1078.04	617
	Triple L-Port	4722L3-015C 445.32	4721L3-015CSR 464.22	4727L3-015C 445.32	4723L3-015C 1050.05	4732L3-015C 473.95	4731L3-015CSR 530.69	4737L3-015C 473.95	4733L3-015C 1078.04	617
	T-Port	4722T1-015C 297.35	4721T1-015CSR 316.45	4727T1-015C 297.35	4723T1-015C 902.31	4732T1-015C 325.99	4731T1-015CSR 345.07	4737T1-015C 325.99	4733T1-015C 930.10	617
2	L-Port	4722L1-020C 364.84	4721L1-020CSR 385.39	4727L1-020C 364.84	4723L1-020C 1162.79	4732L1-020C 423.57	4731L1-020CSR 444.14	4737L1-020C 423.57	4733L1-020C 1214.14	617
	Double L-Port	4722L2-020C 512.63	4721L2-020CSR 533.34	4727L2-020C 512.63	4723L2-020C 1266.31	4732L2-020C 571.37	4731L2-020CSR 591.91	4737L2-020C 571.37	4733L2-020C 1362.07	617
	Triple L-Port	4722L3-020C 512.63	4721L3-020CSR 533.34	4727L3-020C 512.63	4723L3-020C 1266.31	4732L3-020C 571.37	4731L3-020CSR 591.91	4737L3-020C 571.37	4733L3-020C 1362.07	617
	T-Port	4722T1-020C 364.84	4721T1-020CSR 385.39	4727T1-020C 364.84	4723T1-020C 1162.79	4732T1-020C 423.57	4731T1-020CSR 444.14	4737T1-020C 423.57	4733T1-020C 1214.14	617
2-1/2	L-Port	4722L1-025C 1283.10	4721L1-025CSR 1336.23	4727L1-025C 1283.10	4723L1-025C 2036.60	4732L1-025C 1297.56	4731L1-025CSR 1350.72	4737L1-025C 1297.56	4733L1-025C 2373.81	617
	Double L-Port	4722L2-025C 1430.86	4721L2-025CSR 1466.88	4727L2-025C 1430.86	4723L2-025C 2184.56	4732L2-025C 1445.35	4731L2-025CSR 1498.51	4737L2-025C 1445.35	4733L2-025C 2521.59	617
	Triple L-Port	4722L3-025C 1430.86	4721L3-025CSR 1466.88	4727L3-025C 1430.86	4723L3-025C 2184.56	4732L3-025C 1445.35	4731L3-025CSR 1498.51	4737L3-025C 1445.35	4733L3-025C 2521.59	617
	T-Port	4722T1-025C 1283.10	4721T1-025CSR 1336.23	4727T1-025C 1283.10	4723T1-025C 2036.60	4732T1-025C 1297.56	4731T1-025CSR 1350.72	4737T1-025C 1297.56	4733T1-025C 2373.81	617
3	L-Port	4722L1-030C 1309.41	4721L1-030CSR 1362.57	4727L1-030C 1309.41	4723L1-030C 2064.94	4732L1-030C 1320.95	4731L1-030CSR 1374.27	4737L1-030C 1320.95	4733L1-030C 2389.44	617
	Double L-Port	4722L2-030C 1457.21	4721L2-030CSR 1493.23	4727L2-030C 1457.21	4723L2-030C 2212.69	4732L2-030C 1468.87	4731L2-030CSR 1522.04	4737L2-030C 1468.87	4733L2-030C 2537.21	617
	Triple L-Port	4722L3-030C 1457.21	4721L3-030CSR 1493.23	4727L3-030C 1457.21	4723L3-030C 2212.69	4732L3-030C 1468.87	4731L3-030CSR 1522.04	4737L3-030C 1468.87	4733L3-030C 2537.21	617
	T-Port	4722T1-030C 1309.41	4721T1-030CSR 1362.57	4727T1-030C 1309.41	4723T1-030C 2064.94	4732T1-030C 1320.95	4731T1-030CSR 1374.27	4737T1-030C 1320.95	4733T1-030C 2389.44	617
4	L-Port	4722L1-040C 2263.39	4721L1-040CSR 2324.11	4727L1-040C 2263.39	4723L1-040C 3031.56	4732L1-040C 2285.43	4731L1-040CSR 2346.16	4737L1-040C 2285.43	4733L1-040C 3144.12	617
	Double L-Port	4722L2-040C 2411.15	4721L2-040CSR 2471.88	4727L2-040C 2411.15	4723L2-040C 3149.70	4732L2-040C 2433.21	4731L2-040CSR 2493.94	4737L2-040C 2433.21	4733L2-040C 3291.89	617
	Triple L-Port	4722L3-040C 2411.15	4721L3-040CSR 2471.88	4727L3-040C 2411.15	4723L3-040C 3149.70	4732L3-040C 2433.21	4731L3-040CSR 2493.94	4737L3-040C 2433.21	4733L3-040C 3291.89	617
	T-Port	4722T1-040C 2263.39	4721T1-040CSR 2324.11	4727T1-040C 2263.39	4723T1-040C 3031.56	4732T1-040C 2285.43	4731T1-040CSR 2346.16	4737T1-040C 2285.43	4733T1-040C 3144.12	617

Thermoplastic Valves Tee-Style "Zero Dead-Leg" Ball Valves



Valves are produced to order in Ball Valve sizes 1/2" – 2".
Tee Valves can be custom produced in any standard
Tee and Valve size combination.

The Tee Valve is assembled with socket end connector.
Tee Valves are a non-stock configuration.
All orders are non-cancelable, non-returnable.



Pressure Rating @ 73°F (23°C), Water
Valve Sizes 1/2" - 2" (20mm - 63mm) = 235 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
1/2	182901-005 155.03	183901-005 167.01	1	12	263
3/4	182901-007 169.43	183901-007 183.15	1	8	263
1	182901-010 172.62	183901-010 193.22	1	8	263
2	182901-020 286.10	183901-020 334.03	1	0	263
3/4X1/2	182901-101 157.61	183901-101 169.56	1	12	263
1X1/2	182901-130 162.79	183901-130 174.79	1	8	263
1X3/4	182901-131 172.62	183901-131 193.22	1	8	263
1-1/4X1/2	182901-166 171.52	183901-166 183.49	1	8	263
1-1/4X3/4	182901-167 175.81	183901-167 189.55	1	8	263
1-1/4X1	182901-168 187.83	183901-168 208.45	1	8	263
1-1/2X1/2	182901-209 171.52	183901-209 183.51	1	8	263
1-1/2X3/4	182901-210 175.81	183901-210 189.55	1	8	263
1-1/2X1	182901-211 187.83	183901-211 208.45	1	8	263
2X1/2	182901-247 221.81	183901-247 233.86	1	8	263
2X3/4	182901-248 228.37	183901-248 242.06	1	8	263
2X1	182901-249 238.11	183901-249 258.73	1	8	263
2X1-1/2	182901-251 293.79	183901-251 319.52	1	8	263
3X1/2	182901-333 226.32	183901-333 238.31	1	0	263
3X1	182901-335 242.50	183901-335 263.11	1	4	263
3X1-1/2	182901-337 278.22	183901-337 303.97	1	0	263
3X2	182901-338 302.52	183901-338 350.47	1	0	263
4X1	182901-417 280.31	183901-417 300.91	1	0	263
4X1-1/2	182901-419 316.05	183901-419 341.78	1	0	263
4X2	182901-420 372.73	183901-420 420.69	1	0	263
6X2	182901-528 438.20	183901-528 486.16	1	0	263
8X2	182901-578 668.62	183901-578 716.59	1	0	263

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
1/2	182901-005C 238.90	183901-005C 250.18	1	12	264
3/4	182901-007C 261.06	183901-007C 273.98	1	8	264

CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
1	182901-010C 265.99	183901-010C 285.39	1	8	264
2	182901-020C 290.62	183901-020C 335.69	1	4	264
3/4X1/2	182901-101C 242.85	183901-101C 254.11	1	12	264
1X1/2	182901-130C 220.24	183901-130C 263.22	1	8	264
1X3/4	182901-131C 265.99	183901-131C 278.93	1	8	264
1-1/4X1/2	182901-166C 269.51	183901-166C 280.80	1	8	264
1-1/4X3/4	182901-167C 270.93	183901-167C 283.84	1	8	264
1-1/4X1	182901-168C 310.54	183901-168C 329.93	1	8	264
1-1/2X1/2	182901-209C 302.72	183901-209C 313.39	1	8	264
1-1/2X3/4	182901-210C 311.49	183901-210C 319.15	1	8	264
1-1/2X1	182901-211C 322.24	183901-211C 329.93	1	8	264
2X1/2	182901-247C 345.70	183901-247C 356.96	1	8	264
2X3/4	182901-248C 373.01	183901-248C 385.93	1	8	264
2X1	182901-249C 392.56	183901-249C 411.95	1	8	264
2X1-1/2	182901-251C 460.94	183901-251C 485.11	1	8	264
3X1/2	182901-333C 455.07	183901-333C 466.34	1	0	264
3X1	182901-335C 476.55	183901-335C 495.94	1	0	264
3X1-1/2	182901-337C 542.96	183901-337C 567.14	1	0	264
3X2	182901-338C 595.70	183901-338C 640.77	1	0	264
4X1	182901-417C 585.93	183901-417C 605.32	1	0	264
4X1-1/2	182901-419C 652.32	183901-419C 676.52	1	0	264
4X2	182901-420C 777.32	183901-420C 822.39	1	0	264
6X2	182901-528C 1015.30	183901-528C 1060.36	1	0	264
8X2	182901-578C 1498.01	183901-578C 1543.09	1	0	264

PVC Metric

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Mainline Socket Tee x Valve Socket					
20	182901M-020 155.03	183901M-020 167.01	1	8	263
25	182901M-025 169.43	183901M-025 183.15	1	8	263
32	182901M-032 172.62	183901M-032 193.22	1	8	263
40	182901M-040 239.86	183901M-040 257.20	1	8	263



Thermoplastic Valves Tee-Style "Zero Dead-Leg" Ball Valves & True Union 2000 Standard Ball Valves

Tee-Style "Zero Dead-Leg" Ball Valves

PVC Metric (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
50	182901M-050 251.13	183901M-050 325.54	1	8	263
63	182901M-063 286.10	183901M-063 334.03	1	8	263

Mainline Socket Tee x Valve Socket

50	182901M-050 251.13	183901M-050 325.54	1	8	263
63	182901M-063 286.10	183901M-063 334.03	1	8	263

CPVC Metric

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
20	182901M-020C 238.90	183901M-020C 250.18	1	8	264

Mainline Socket Tee x Valve Socket

20	182901M-020C 238.90	183901M-020C 250.18	1	8	264
-----------	-------------------------------	-------------------------------	---	---	-----

CPVC Metric (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
25	182901M-025C 277.72	183901M-025C 273.98	1	8	263
32	182901M-032C 265.99	183901M-032C 285.39	1	8	264
40	182901M-040C 269.68	183901M-040C 287.83	1	8	264
50	182901M-050C 274.48	183901M-050C 323.41	1	8	264
63	182901M-063C 290.62	183901M-063C 335.69	1	8	004

Mainline Socket Tee x Valve Socket

25	182901M-025C 277.72	183901M-025C 273.98	1	8	263
32	182901M-032C 265.99	183901M-032C 285.39	1	8	264
40	182901M-040C 269.68	183901M-040C 287.83	1	8	264
50	182901M-050C 274.48	183901M-050C 323.41	1	8	264
63	182901M-063C 290.62	183901M-063C 335.69	1	8	004

True Union 2000 Standard Ball Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" = 235 psi
 2-1/2" - 4" = 150 psi
 Flanged = 150 psi

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
 All Valves Assembled with Silicone-Free, Water Soluble Lubricant
 See Ball Valve Accessories & Repair Kits Section for Additional Options and Features

PVC Standard

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3629-005 37.78	3639-005 42.02	1	18	608
3/4	3629-007 44.68	3639-007 49.70	1	18	608
1	3629-010 53.22	3639-010 59.28	1	12	608
1-1/4	3629-012 73.61	3639-012 93.96	1	8	608
1-1/2	3629-015 88.68	3639-015 98.44	1	8	608
2	3629-020 117.02	3639-020 128.84	1	4	608

Socket & Threaded Ends

1/2	3629-005 37.78	3639-005 42.02	1	18	608
3/4	3629-007 44.68	3639-007 49.70	1	18	608
1	3629-010 53.22	3639-010 59.28	1	12	608
1-1/4	3629-012 73.61	3639-012 93.96	1	8	608
1-1/2	3629-015 88.68	3639-015 98.44	1	8	608
2	3629-020 117.02	3639-020 128.84	1	4	608

Socket Ends

2-1/2	3622-025 224.15	3632-025 304.76	1	0	609
3	3622-030 296.53	3632-030 329.47	1	0	609
4	3622-040 500.87	3632-040 556.71	1	0	609

Threaded Ends

2-1/2	3621-025 224.15	3631-025 304.76	1	0	609
3	3621-030 296.53	3631-030 329.47	1	0	609
4	3621-040 500.87	3631-040 556.71	1	0	609

SR Threaded Ends

1/2	3621-005SR 38.60	3631-005SR 42.83	1	18	608
3/4	3621-007SR 46.61	3631-007SR 51.67	1	18	608
1	3621-010SR 55.16	3631-010SR 61.22	1	18	608
1-1/4	3621-012SR 79.49	3631-012SR 99.83	1	12	608
1-1/2	3621-015SR 94.98	3631-015SR 104.73	1	8	608
2	3621-020SR 123.83	3631-020SR 135.67	1	8	608

PVC Standard (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	3621-025SR 243.30	3631-025SR 323.13	1	0	609
3	3621-030SR 314.94	3631-030SR 347.86	1	0	609
4	3621-040SR 522.50	3631-040SR 578.17	1	0	609

SR Threaded Ends

2-1/2	3621-025SR 243.30	3631-025SR 323.13	1	0	609
3	3621-030SR 314.94	3631-030SR 347.86	1	0	609
4	3621-040SR 522.50	3631-040SR 578.17	1	0	609

Spigot Ends

1/2	3627-005 37.78	3637-005 42.02	1	18	608
3/4	3627-007 44.68	3637-007 49.70	1	18	608
1	3627-010 53.22	3637-010 59.28	1	12	608
1-1/4	3627-012 73.61	3637-012 93.96	1	12	608
1-1/2	3627-015 88.68	3637-015 98.44	1	8	608
2	3627-020 117.02	3637-020 128.84	1	8	608
2-1/2	3627-025 224.90	3637-025 304.76	1	0	609
3	3627-030 296.53	3637-030 329.47	1	0	609
4	3627-040 500.87	3637-040 556.71	1	0	609

Flanged Ends

1/2	3623-005 54.03	3633-005 57.62	1	8	608
3/4	3623-007 68.45	3633-007 74.44	1	8	608
1	3623-010 82.82	3633-010 89.06	1	8	608
1-1/4	3623-012 97.23	3633-012 108.07	1	4	608
1-1/2	3623-015 122.48	3633-015 133.28	1	4	608
2	3623-020 195.02	3633-020 206.85	1	0	608

**Thermoplastic Valves
True Union 2000 Standard Ball Valves**



PVC Standard (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	3623-025 360.18	3633-025 366.14	1	0	609
3	3623-030 373.23	3633-030 494.27	1	0	609
4	3623-040 800.44	3633-040 927.83	1	0	609

PVC White Standard

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Socket EPDM

3622-015W	1-1/2	1	8	608	88.68
3622-020W	2	1	8	608	117.02

PVC White Standard

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

SR Threaded Ends EPDM

3621-015WSR	1-1/2	1	8	608	94.98
3621-020WSR	2	1	8	608	123.83

CPVC Standard

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	3629-005C 49.86	3639-005C 55.44	1	18	610
3/4	3629-007C 62.82	3639-007C 69.82	1	18	610
1	3629-010C 74.79	3639-010C 83.10	1	12	610
1-1/4	3629-012C 118.90	3639-012C 132.15	1	8	610
1-1/2	3629-015C 125.55	3639-015C 139.51	1	8	610
2	3629-020C 167.94	3639-020C 193.05	1	4	610

Socket Ends

2-1/2	3622-025C 376.49	3632-025C 418.30	1	0	611
3	3622-030C 440.22	3632-030C 489.16	1	0	611
4	3622-040C 797.68	3632-040C 886.31	1	0	611

Threaded Ends

2-1/2	3621-025C 376.49	3631-025C 418.30	1	0	611
3	3621-030C 440.22	3631-030C 489.16	1	0	611
4	3621-040C 797.68	3631-040C 886.31	1	0	611

SR Threaded Ends

1/2	3621-005CSR 50.67	3631-005CSR 56.23	1	18	610
3/4	3621-007CSR 64.80	3631-007CSR 71.78	1	18	610
1	3621-010CSR 76.73	3631-010CSR 85.01	1	18	610
1-1/4	3621-012CSR 124.77	3631-012CSR 138.00	1	12	610
1-1/2	3621-015CSR 131.26	3631-015CSR 145.80	1	8	610
2	3621-020CSR 174.74	3631-020CSR 199.87	1	8	610
2-1/2	3621-025CSR 394.87	3631-025CSR 436.69	1	0	611
3	3621-030CSR 458.59	3631-030CSR 507.54	1	0	611
4	3621-040CSR 819.15	3631-040CSR 908.47	1	0	611

Spigot Ends

1/2	3627-005C 49.86	3637-005C 55.44	1	18	610
------------	---------------------------	---------------------------	---	----	-----

CPVC Standard (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3/4	3627-007C 62.82	3637-007C 69.82	1	18	610
1	3627-010C 74.79	3637-010C 83.10	1	12	610
1-1/4	3627-012C 118.90	3637-012C 132.15	1	12	610
1-1/2	3627-015C 125.55	3637-015C 139.51	1	8	610
2	3627-020C 167.94	3637-020C 193.05	1	8	610
2-1/2	3627-025C 376.49	3637-025C 418.30	1	0	611
3	3627-030C 440.22	3637-030C 489.16	1	0	611
4	3627-040C 797.68	3637-040C 886.31	1	0	611

Flanged Ends

1/2	3623-005C 84.63	3633-005C 86.46	1	8	610
3/4	3623-007C 103.73	3633-007C 108.11	1	8	610
1	3623-010C 118.76	3633-010C 126.07	1	8	610
1-1/4	3623-012C 177.45	3633-012C 183.67	1	4	610
1-1/2	3623-015C 195.20	3633-015C 201.69	1	4	610
2	3623-020C 271.61	3633-020C 323.47	1	0	610
2-1/2	3623-025C 506.94	3633-025C 608.49	1	0	611
3	3623-030C 695.02	3633-030C 758.27	1	0	611
4	3623-040C 1300.23	3633-040C 1352.23	1	0	611



Thermoplastic Valves True Union 2000 Industrial Retrofit Ball Valves - Replaces Other Brand Valves



Industrial Valve

Complete universal replacement valve for domestic and import PVC or CPVC valve. See separate catalog listing for retrofit replacement of older Spears® valves.

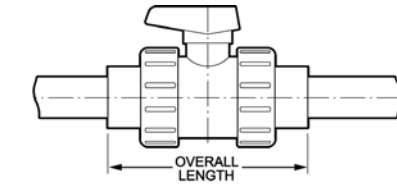
Retrofit valve consists of Spears® Industrial True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 4" = 235 psi

All Valves Assembled with Silicone-Free,
Water Soluble Lubricant

Suitable for Vacuum Service

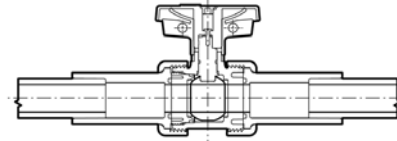
Retrofit End Connector Sets without
valve are also available - See
Ball Valve Accessories & Repair Kits



BALL VALVE FOR
REPLACEMENT



PIPE LAYING LENGTH
AFTER CUTTING



TRUE UNION 2000
INDUSTRIAL BALL
VALVE INSTALLED
WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	4-29/32	5-7/16	6-3/32	7-1/4	7-1/2	8-17/32	10-3/4	11-7/16	14-15/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822R-005 47.21	1832R-005 52.51	1	18	600
3/4	1822R-007 55.86	1832R-007 62.14	1	18	600
1	1822R-010 66.52	1832R-010 74.09	1	12	600
1-1/4	1822R-012 92.02	1832R-012 117.46	1	8	600
1-1/2	1822R-015 110.84	1832R-015 123.04	1	8	600
2	1822R-020 146.26	1832R-020 161.06	1	4	600
2-1/2	1822R-025 281.15	1832R-025 380.96	1	0	601
3	1822R-030 370.67	1832R-030 411.86	1	0	601
4	1822R-040 626.28	1832R-040 695.87	1	0	601

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822R-005C 62.35	1832R-005C 69.28	1	18	602
3/4	1822R-007C 78.52	1832R-007C 87.27	1	18	602
1	1822R-010C 93.48	1832R-010C 103.86	1	12	602
1-1/4	1822R-012C 148.61	1832R-012C 165.17	1	8	602
1-1/2	1822R-015C 156.95	1832R-015C 174.39	1	8	602
2	1822R-020C 209.90	1832R-020C 241.30	1	4	602
2-1/2	1822R-025C 470.62	1832R-025C 522.88	1	0	603
3	1822R-030C 550.26	1832R-030C 611.45	1	0	603
4	1822R-040C 997.11	1832R-040C 1107.88	1	0	603

Thermoplastic Valves True Union 2000 Industrial Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves



Industrial Valve

Complete replacement valve for older Spears® 2300 Series Regular True Union Ball Valves. See separate catalog listing for replacement of other brand valves.

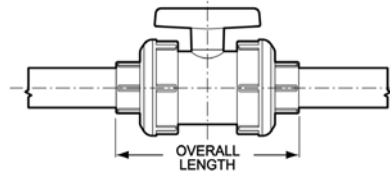
Retrofit valve consists of Spears® Industrial True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 4" 235 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Suitable for Vacuum Service

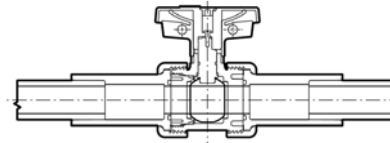
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 INDUSTRIAL BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	5-5/16	6-1/4	6-11/16	7-1/8	8-3/16	8-15/16	12	12-1/16	13-3/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822RS-005 47.21	1832RS-005 52.51	1	18	600
3/4	1822RS-007 55.86	1832RS-007 62.14	1	18	600
1	1822RS-010 66.52	1832RS-010 74.09	1	12	600
1-1/4	1822RS-012 92.02	1832RS-012 117.46	1	8	600
1-1/2	1822RS-015 110.84	1832RS-015 123.04	1	8	600
2	1822RS-020 146.26	1832RS-020 161.06	1	4	600
2-1/2	1822RS-025 281.15	1832RS-025 380.96	1	0	601
3	1822RS-030 370.67	1832RS-030 411.86	1	0	601
4	1822RS-040 626.28	1832RS-040 695.87	1	0	601

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1822RS-005C 62.35	1832RS-005C 69.28	1	18	602
3/4	1822RS-007C 78.52	1832RS-007C 87.27	1	18	602
1	1822RS-010C 93.48	1832RS-010C 103.86	1	12	602
1-1/4	1822RS-012C 148.61	1832RS-012C 165.17	1	8	602
1-1/2	1822RS-015C 156.95	1832RS-015C 174.39	1	8	602
2	1822RS-020C 209.90	1832RS-020C 241.30	1	4	602
2-1/2	1822RS-025C 470.62	1832RS-025C 522.88	1	0	603
3	1822RS-030C 550.26	1832RS-030C 611.45	1	0	603
4	1822RS-040C 997.11	1832RS-040C 1107.88	1	0	603



Thermoplastic Valves True Union 2000 Standard Retrofit Ball Valves - Replaces Other Brand Valves



Standard Valve

Complete universal replacement valve for domestic and import PVC or CPVC valve. See separate catalog listing for retrofit replacement of older Spears® valves.

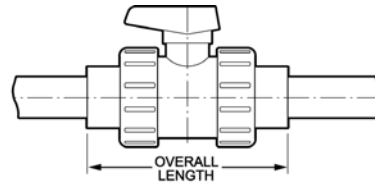
Retrofit valve consists of Spears® Standard True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 4" 150 psi

All Valves Assembled with Silicone-Free, Water Soluble Lubricant.

Suitable for Vacuum Service.

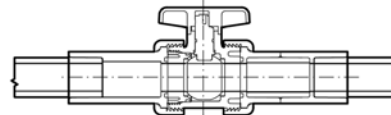
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000
STANDARD BALL
VALVE INSTALLED
WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	4-29/32	5-7/16	6-3/32	7-1/4	7-1/2	8-17/32	10-3/4	11-7/16	14-15/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622R-005 37.78	3632R-005 42.02	1	18	608
3/4	3622R-007 44.68	3632R-007 49.70	1	12	608
1	3622R-010 53.22	3632R-010 59.28	1	8	608
1-1/4	3622R-012 73.61	3632R-012 93.96	1	8	608
1-1/2	3622R-015 88.68	3632R-015 98.44	1	8	608
2	3622R-020 117.02	3632R-020 128.84	1	4	608
2-1/2	3622R-025 224.15	3632R-025 304.76	1	0	609
3	3622R-030 296.53	3632R-030 329.47	1	0	609
4	3622R-040 500.87	3632R-040 556.71	1	0	609

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622R-005C 49.86	3632R-005C 55.44	1	18	610
3/4	3622R-007C 62.82	3632R-007C 69.82	1	12	610
1	3622R-010C 74.79	3632R-010C 83.10	1	8	610
1-1/4	3622R-012C 118.90	3632R-012C 132.15	1	8	610
1-1/2	3622R-015C 125.55	3632R-015C 139.51	1	8	610
2	3622R-020C 167.94	3632R-020C 193.05	1	4	610
2-1/2	3622R-025C 376.49	3632R-025C 418.30	1	0	611
3	3622R-030C 440.22	3632R-030C 489.16	1	0	611
4	3622R-040C 797.68	3632R-040C 886.31	1	0	611

Thermoplastic Valves
True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves & True Union Ball Valves (Regular Style)



True Union 2000 Standard Retrofit Ball Valves - Replaces Spears® "Regular Style" Valves



Standard Valve

Complete replacement valve for older Spears® 2300 Series Regular True Union Ball Valves. See separate catalog listing for replacement of other brand valves.

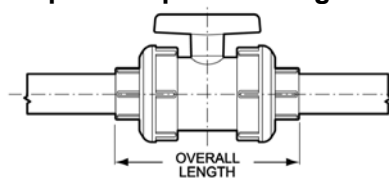
Retrofit valve consists of Spears® Standard True Union 2000 Ball Valve supplied with factory installed extended-socket end connectors. Simply cut out old valve to specified dimensions and install Retrofit Valve end connectors.

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 4" 150 psi

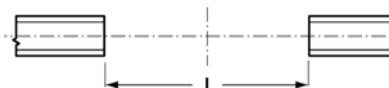
All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Suitable for Vacuum Service

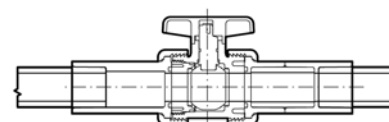
Retrofit End Connector Sets without valve are also available - See Ball Valve Accessories & Repair Kits



BALL VALVE FOR REPLACEMENT



PIPE LAYING LENGTH AFTER CUTTING



TRUE UNION 2000 STANDARD BALL VALVE INSTALLED WITH RETROFIT KIT

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	5-5/16	6-1/4	6-11/16	7-1/8	8-3/16	8-15/16	12	12-1/16	13-3/16

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622RS-005 37.78	3632RS-005 42.02	1	18	608
3/4	3622RS-007 44.68	3632RS-007 49.70	1	18	608
1	3622RS-010 53.22	3632RS-010 59.28	1	12	608
1-1/4	3622RS-012 73.61	3632RS-012 93.96	1	8	608
1-1/2	3622RS-015 88.68	3632RS-015 98.44	1	8	608
2	3622RS-020 117.02	3632RS-020 128.84	1	4	608
2-1/2	3622RS-025 224.15	3632RS-025 304.76	1	0	609
3	3622RS-030 296.53	3632RS-030 329.47	1	0	609
4	3622RS-040 500.87	3632RS-040 556.71	1	0	609

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3622RS-005C 49.86	3632RS-005C 55.44	1	18	610
3/4	3622RS-007C 62.82	3632RS-007C 69.82	1	18	610
1	3622RS-010C 74.79	3632RS-010C 83.10	1	12	610
1-1/4	3622RS-012C 118.90	3632RS-012C 132.15	1	8	610
1-1/2	3622RS-015C 125.55	3632RS-015C 139.51	1	8	610
2	3622RS-020C 167.94	3632RS-020C 193.05	1	4	610
2-1/2	3622RS-025C 376.49	3632RS-025C 418.30	1	0	611
3	3622RS-030C 440.22	3632RS-030C 489.16	1	0	611
4	3622RS-040C 797.68	3632RS-040C 886.31	1	0	611

True Union Ball Valves (Regular Style)



Socket/Threaded Style



Flanged Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
2-1/2" - 6" 150 psi
Flanged 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

All Valves assembled with Silicone-Free, Water Soluble Lubricant.

6" Venturi Valves are 4" Ball Valves equipped with 4x6 End Connectors.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket & Threaded Ends					
1/2	2329-005 54.37	2339-005 60.50	1	18	230
3/4	2329-007 64.31	2339-007 71.57	1	12	230
1	2329-010 76.61	2339-010 85.33	1	8	230

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket & Threaded Ends					
1-1/4	2329-012 105.97	2339-012 135.26	1	8	230
1-1/2	2329-015 127.68	2339-015 141.70	1	8	230
2	2329-020 168.44	2339-020 185.49	1	4	230

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 367



Thermoplastic Valves True Union Ball Valves (Regular Style)

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket Ends

2-1/2	2322-025 307.61	2332-025 416.81	1	0	230
3	2322-030 405.56	2332-030 450.63	1	0	230
4	2322-040 685.23	2332-040 761.35	1	0	230

Socket Venturied Ends

6 VENTURIED	2322-060 914.24	2332-060 996.12	1	0	231
--------------------	---------------------------	---------------------------	---	---	-----

Threaded Ends

2-1/2	2321-025 307.61	2331-025 416.81	1	0	230
3	2321-030 405.56	2331-030 450.63	1	0	230
4	2321-040 685.23	2331-040 761.35	1	0	230

Flanged Ends

1/2	2323-005 77.78	2333-005 82.97	6	0	230
3/4	2323-007 98.53	2333-007 107.16	5	0	230
1	2323-010 119.27	2333-010 128.21	5	0	230
1-1/4	2323-012 140.00	2333-012 155.56	2	0	230
1-1/2	2323-015 176.32	2333-015 191.84	3	0	230
2	2323-020 280.78	2333-020 297.78	2	0	230
2-1/2	2323-025 492.60	2333-025 500.72	1	0	230
3	2323-030 544.45	2333-030 675.97	1	0	230
4	2323-040 1094.70	2333-040 1268.95	1	0	230

Flanged Venturied Ends

6 VENTURIED	2323-060 1596.52	2333-060 1637.43	1	0	231
--------------------	----------------------------	----------------------------	---	---	-----

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

Threaded End Connectors available on request

1/2	2329-005C 71.79	2339-005C 79.80	1	18	232
3/4	2329-007C 90.45	2339-007C 100.51	1	12	232
1	2329-010C 107.65	2339-010C 119.62	1	8	232
1-1/4	2329-012C 171.15	2339-012C 190.23	1	8	232
1-1/2	2329-015C 180.76	2339-015C 200.85	1	8	232
2	2329-020C 241.77	2339-020C 277.90	1	4	232

Socket Ends

2-1/2	2322-025C 514.91	2332-025C 572.10	1	0	232
3	2322-030C 602.06	2332-030C 668.98	1	0	232
4	2322-040C 1090.95	2332-040C 1212.17	1	0	232

Socket Venturied Ends

6 VENTURIED	2322-060C 1814.86	2332-060C 1883.05	1	0	233
--------------------	-----------------------------	-----------------------------	---	---	-----

Threaded Ends

2-1/2	2321-025C 514.91	2331-025C 572.10	1	0	232
3	2321-030C 602.06	2331-030C 668.98	1	0	232
4	2321-040C 1090.95	2331-040C 1212.17	1	0	232

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Flanged Ends

1/2	2323-005C 121.82	2333-005C 124.45	6	0	232
3/4	2323-007C 149.34	2333-007C 155.56	5	0	232
1	2323-010C 170.99	2333-010C 181.50	5	0	232
1-1/4	2323-012C 255.45	2333-012C 264.41	2	0	232
1-1/2	2323-015C 281.00	2333-015C 290.33	3	0	232
2	2323-020C 391.02	2333-020C 465.68	2	0	232
2-1/2	2323-025C 693.31	2333-025C 832.19	1	0	232
3	2323-030C 1013.93	2333-030C 1037.03	1	0	232
4	2323-040C 1778.24	2333-040C 1849.36	1	0	232

Flanged Venturied Ends

6 VENTURIED	2323-060C 2756.35	2333-060C 2851.87	1	0	233
--------------------	-----------------------------	-----------------------------	---	---	-----

Thermoplastic Valves Single Entry Ball Valves



PVC White – Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi
3" - 4" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

All Valves Assembled with Silicone-Free, Water Soluble Lubricant. See Ball Valve Accessories & Repair Kits Section for Additional Options and Features



PVC Gray – Socket/Threaded Style

PVC White

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends						
1/2	2411-005W 18.07	2421-005W 20.04	2431-005W 22.29	10	120	240
3/4	2411-007W 24.46	2421-007W 25.22	2431-007W 28.03	10	80	240
1	2411-010W 26.70	2421-010W 29.66	2431-010W 32.98	10	0	240
1-1/4	2411-012W 37.13	2421-012W 41.29	2431-012W 45.87	6	0	240
1-1/2	2411-015W 48.13	2421-015W 55.88	2431-015W 60.59	5	0	240
2	2411-020W 54.18	2421-020W 60.14	2431-020W 66.85	5	0	240
3	2411-030W 197.05	2421-030W 244.45	2431-030W 281.85	1	0	240
4	2411-040W 416.55	2421-040W 458.93	2431-040W 498.88	1	0	240

Socket Ends

1/2	2412-005W 18.07	2422-005W 20.04	2432-005W 22.29	10	120	240
3/4	2412-007W 24.46	2422-007W 25.22	2432-007W 28.03	10	80	240
1	2412-010W 26.70	2422-010W 29.66	2432-010W 32.98	10	0	240
1-1/4	2412-012W 37.13	2422-012W 41.29	2432-012W 45.87	6	0	240
1-1/2	2412-015W 48.13	2422-015W 55.88	2432-015W 60.60	5	0	240
2	2412-020W 54.18	2422-020W 60.14	2432-020W 66.85	5	0	240
3	2412-030W 197.05	2422-030W 244.45	2432-030W 281.85	1	0	240
4	2412-040W 416.55	2422-040W 458.93	2432-040W 498.88	1	0	240

PVC Gray

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends						
1/2	2411-005G 19.84	2421-005G 21.99	2431-005G 24.46	10	120	240
3/4	2411-007G 24.99	2421-007G 27.80	2431-007G 30.87	10	80	240
1	2411-010G 29.40	2421-010G 32.63	2431-010G 36.27	10	0	240
1-1/4	2411-012G 40.83	2421-012G 45.39	2431-012G 50.37	6	0	240
1-1/2	2411-015G 51.40	2421-015G 60.21	2431-015G 66.96	5	0	240
2	2411-020G 59.52	2421-020G 66.14	2431-020G 73.45	5	0	240
3	2411-030G 207.45	2421-030G 257.29	2431-030G 296.69	1	0	240
4	2411-040G 438.45	2421-040G 483.10	2431-040G 525.12	1	0	240

Socket Ends

1/2	2412-005G 19.84	2422-005G 21.99	2432-005G 24.46	10	120	240
-----	--------------------	--------------------	--------------------	----	-----	-----

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Thermoplastic Valves Compact 2000 Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" 235 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free, Water Soluble Lubricants.

Rated for Vacuum Service

Compact 2000 Ball Valves are a Maintenance-Free, Sealed Unit (non-repairable).
See Ball Valve Accessories & Repair Kits Section for Additional Options and Features.

PVC 2000 Compact Ball Valve

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
1/2	6622-005 20.11	6632-005 22.64	10	120	210
3/4	6622-007 27.44	6632-007 28.09	10	80	210
1	6622-010 29.95	6632-010 33.59	10	0	210
1-1/4	6622-012 45.06	6632-012 52.07	6	0	210
1-1/2	6622-015 53.67	6632-015 59.69	5	0	210
2	6622-020 71.65	6632-020 80.50	8	0	210

Threaded Ends

1/2	6621-005 20.11	6631-005 22.64	10	120	210
3/4	6621-007 27.44	6631-007 28.09	10	80	210
1	6621-010 29.95	6631-010 33.59	10	0	210
1-1/4	6621-012 49.32	6631-012 52.07	6	0	210
1-1/2	6621-015 53.67	6631-015 59.69	5	0	210
2	6621-020 71.65	6631-020 80.50	8	0	210

Flanged Ends

1/2	6623-005 42.35	6633-005 44.50	10	120	210
3/4	6623-007 47.83	6633-007 49.50	10	120	210
1	6623-010 62.33	6633-010 65.67	10	120	210
1-1/4	6623-012 77.83	6633-012 83.50	10	120	210
1-1/2	6623-015 94.16	6633-015 102.35	10	120	210
2	6623-020 125.66	6633-020 131.17	10	120	210

CPVC 2000 Compact Ball Valve

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
1/2	6622-005C 23.68	6632-005C 26.35	10	120	212
3/4	6622-007C 31.24	6632-007C 35.10	10	80	212
1	6622-010C 39.04	6632-010C 43.90	10	0	212
1-1/4	6622-012C 63.89	6632-012C 78.96	6	0	212
1-1/2	6622-015C 79.02	6632-015C 87.80	5	0	212
2	6622-020C 103.52	6632-020C 116.31	8	0	212

Threaded Ends

1/2	6621-005C 23.68	6631-005C 26.35	10	120	212
------------	---------------------------	---------------------------	----	-----	-----

CPVC 2000 Compact Ball Valve (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends					
3/4	6621-007C 31.24	6631-007C 35.10	10	80	212
1	6621-010C 39.04	6631-010C 43.90	10	0	212
1-1/4	6621-012C 63.89	6631-012C 78.96	6	0	212
1-1/2	6621-015C 79.02	6631-015C 87.80	5	0	212
2	6621-020C 103.52	6631-020C 116.31	8	0	212

Flanged Ends

1/2	6623-005C 64.80	6633-005C 66.80	1	0	212
3/4	6623-007C 76.60	6633-007C 79.98	1	0	212
1	6623-010C 100.80	6633-010C 106.75	1	0	212
1-1/4	6623-012C 126.80	6633-012C 133.60	1	0	212
1-1/2	6623-015C 160.20	6633-015C 169.79	1	0	212
2	6623-020C 223.20	6633-020C 229.80	1	0	212

Thermoplastic Valves Compact Ball Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 3" - 6" 150 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves Assembled with Silicone-Free, Water Soluble Lubricants.

See Ball Valve Accessories & Repair Kits Section
 for Additional Options and Features

Note: Standard 6" Valve uses Lever-Style Handle for proper leverage.

T-Handle option is more compact but will increase difficulty of operation.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
1/2	2122-005 21.16	2132-005 23.83	10	80	210
3/4	2122-007 28.88	2132-007 29.57	10	0	210
1	2122-010 31.51	2132-010 35.38	10	0	210
1-1/4	2122-012 56.51	2132-012 62.82	6	0	210
1-1/2	2122-015 69.97	2132-015 73.11	5	0	210
2	2122-020 75.41	2132-020 84.74	6	0	210
3	2122-030 245.11	2132-030 275.37	1	4	211
4	2122-040 377.10	2132-040 542.81	1	0	211
6 (Lever Handle)	2122-060 489.73	2132-060 704.95	1	0	211
6 (Tee Handle)	21226-060 489.73	21326-060 704.95	1	0	211

Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2121-005 21.16	2131-005 23.83	10	80	210
3/4	2121-007 28.88	2131-007 29.57	10	0	210
1	2121-010 31.51	2131-010 35.38	10	0	210
1-1/4	2121-012 56.51	2131-012 62.82	6	0	210
1-1/2	2121-015 69.97	2131-015 73.11	5	0	210
2	2121-020 75.41	2131-020 84.74	6	0	210
3	2121-030 245.11	2131-030 275.37	1	4	211
4	2121-040 377.10	2131-040 542.81	1	0	211

Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2123-005 46.78	2133-005 49.83	1	8	210
3/4	2123-007 56.60	2133-007 58.85	1	8	210
1	2123-010 62.44	2133-010 66.29	1	8	210
1-1/4	2123-012 88.40	2133-012 94.71	1	8	210
1-1/2	2123-015 102.28	2133-015 107.09	1	4	210
2	2123-020 118.72	2133-020 127.96	1	0	210
3	2123-030 318.94	2133-030 349.21	1	0	211
4	2123-040 470.46	2133-040 636.16	1	0	211
6 (Lever Handle)	2123-060 905.83	2133-060 997.09	1	0	211

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
6 (Tee Handle)	21236-060 905.83	21336-060 997.09	1	0	211

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
1/2	2122-005C 24.93	2132-005C 27.72	10	80	212
3/4	2122-007C 32.88	2132-007C 36.96	10	0	212
1	2122-010C 41.11	2132-010C 46.21	10	0	212
1-1/4	2122-012C 83.18	2132-012C 92.39	6	0	212
1-1/2	2122-015C 102.77	2132-015C 108.04	5	0	212
2	2122-020C 108.98	2132-020C 122.45	6	0	212
3	2122-030C 331.59	2132-030C 369.84	1	4	213
4	2122-040C 612.98	2132-040C 688.69	1	0	213
6 (Lever Handle)	2122-060C 1001.78	2132-060C 1067.44	1	0	213
6 (Tee Handle)	21226-060C 1001.78	21326-060C 1067.44	1	0	213

Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2121-005C 24.93	2131-005C 27.72	10	80	212
3/4	2121-007C 32.88	2131-007C 36.96	10	0	212
1	2121-010C 41.11	2131-010C 46.21	10	0	212
1-1/4	2121-012C 83.18	2131-012C 92.39	6	0	212
1-1/2	2121-015C 102.77	2131-015C 108.04	5	0	212
2	2121-020C 108.98	2131-020C 122.45	6	0	212
3	2121-030C 331.59	2131-030C 369.84	1	4	213
4	2121-040C 612.98	2131-040C 688.69	1	0	213

Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2123-005C 69.49	2133-005C 72.30	1	8	212
3/4	2123-007C 80.68	2133-007C 84.76	1	8	212
1	2123-010C 95.40	2133-010C 100.52	1	8	212
1-1/4	2123-012C 150.33	2133-012C 159.56	1	8	212
1-1/2	2123-015C 188.00	2133-015C 193.81	1	4	212



Thermoplastic Valves Compact Ball Valves (Regular Style) & Lab Ball Valves

Compact Ball Valves (Regular Style)

CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
2	2123-020C 212.90	2133-020C 226.37	1	0	212
3	2123-030C 509.85	---	1	0	213
4	2123-040C 796.45	2133-040C 872.15	1	0	213
6 (Lever Handle)	2123-060C 1512.80	2133-060C 1622.91	1	0	213
6 (Tee Handle)	21236-060C 1512.80	21336-060C 1622.91	1	0	213

Lab Ball Valves



Socket/Threaded Valve Only

Pressure Rating @ 73°F (23°C), Water
1/4" - 3/8" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

Valve & Adapters includes:

- 1 - Threaded 1/4" Valve
- 2 - O-ring Sealed 1/4" MPT x Mipt Adapters
- EPDM or Viton® O-rings (AS568-013 size)
- 1 - End Connector Wrench
- 2 - O-ring Sealed 1/4" MPT x 3/8" I.D. Tubing Barb Adapters
- OR -
- 2 - O-ring Sealed 1/4" MPT x 1/4" I.D. Tubing Barb Adapters



Valve & Adapters

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Valve & Adapters Threaded Ends					
1/4X1/4T	1529-002A 24.46	1539-002A 25.57	1	25	218
1/4X3/8T	1529-002 24.46	1539-002 25.57	1	25	218

Valve only Threaded Ends

1/4	1521-002 19.55	1531-002 21.76	50	200	218
3/8	1521-003 27.48	1531-003 30.47	50	200	218

Valve only Socket Ends

1/4	1522-002 19.55	1532-002 22.12	50	200	218
3/8	1522-003 27.48	1532-003 30.47	50	200	218

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Valve & Adapters Threaded Ends					
1/4X1/4T	1529-002CA 29.36	1539-002CA 29.93	1	25	219
1/4X3/8T	1529-002C 29.36	1539-002C 29.93	1	25	219

Valve only Threaded Ends

1/4	1521-002C 23.51	1531-002C 25.85	50	200	219
3/8	1521-003C 32.97	1531-003C 30.90	50	200	219

Valve only Socket Ends

1/4	1522-002C 23.51	1532-002C 27.98	50	200	219
3/8	1522-003C 32.97	1532-003C 36.60	50	200	219

Thermoplastic Valves Utility Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 6" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free,
Water Soluble Lubricant

Note: Standard 6" Valve uses Lever-Style Handle for proper leverage.

PVC w/EPDM O-ring Seal

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
PVC White					
1/2	2621-005 8.90	2622-005 8.90	50	0	215
3/4	2621-007 10.56	2622-007 10.56	25	0	215
1	2621-010 14.36	2622-010 14.36	25	0	215
1-1/4	2621-012 19.03	2622-012 19.03	20	0	215
1-1/2	2621-015 29.04	2622-015 29.04	20	0	215
2	2621-020 36.71	2622-020 36.71	8	0	215
2-1/2	2621-025 62.83	2622-025 62.83	6	0	214
3	2621-030 112.69	2622-030 112.69	1	4	214
4	2621-040 206.54	2622-040 206.54	1	0	214
6 (Lever Handle)	---	2622-060 333.22	1	0	214

PVC Gray

1/2	2621-005G 8.90	2622-005G 8.90	50	0	215
3/4	2621-007G 10.56	2622-007G 10.56	25	0	215
1	2621-010G 14.36	2622-010G 14.36	25	0	215
1-1/4	2621-012G 19.03	2622-012G 19.03	20	0	215
1-1/2	2621-015G 29.04	2622-015G 29.04	20	0	215
2	2621-020G 36.71	2622-020G 36.71	8	0	215
2-1/2	2621-025G 62.83	2622-025G 62.83	6	0	214
3	2621-030G 112.69	2622-030G 112.69	1	4	214
4	2621-040G 206.54	2622-040G 206.54	1	0	214

CPVC w/EPDM O-ring Seal

Size	Threaded Ends	Socket Ends	Std Pk	Mstr Pk	Disc Code
CPVC					
1/2	2621-005C 11.73	2622-005C 11.73	50	0	216
3/4	2621-007C 14.91	2622-007C 14.91	25	0	216
1	2621-010C 16.20	2622-010C 16.20	25	0	216
1-1/4	2621-012C 22.83	2622-012C 22.83	20	0	216
1-1/2	2621-015C 35.40	2622-015C 35.40	20	0	216
2	2621-020C 44.03	2622-020C 44.03	8	0	216



Thermoplastic Valves CWV Ball Valves & Swing Check Ball Valve

CWV Ball Valves



**A Combination of Economy & Quality - Made in the U.S.A.
For Greater Value in a General Purpose Cold Water Valve**

Pressure Rating @ 73°F (23°C), Water = 125 psi

You don't have to go overseas to find an economical general purpose ball valve! Spears® CWV BALL VALVES are produced in the U.S.A. with Spears® high quality construction and NSF® Certified for potable water service. Designed for use with cold water, these PVC valves may be suitable for some applications previously handled by Spears® Utility Valves. Available in IPS sizes 1/2" through 2" with a Full 1-Year Warranty.

CWV PVC Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
8722-005	1/2	50	0	204	8.01
8722-007	3/4	25	0	204	9.50
8722-010	1	25	0	204	12.92
8722-012	1-1/4	20	0	204	17.13
8722-015	1-1/2	20	0	204	26.14
8722-020	2	10	0	204	33.04

Socket Ends

CWV PVC Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
8721-005	1/2	50	0	204	9.89
8721-007	3/4	25	0	204	11.73
8721-010	1	25	0	204	15.96
8721-012	1-1/4	20	0	204	21.14
8721-015	1-1/2	20	0	204	32.27
8721-020	2	10	0	204	40.79

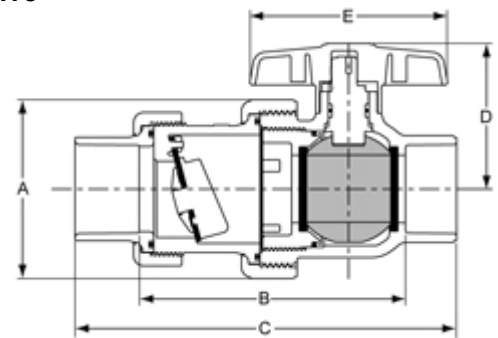
Threaded Ends

Swing Check Ball Valve



- One-piece Combination for Applications Requiring In-line Ball Valve and Check Valves
- Compact, Space-Saving Design
- True Union Design Allows Easy Service and Cleaning
- High Grade EPDM Seals
- Replaceable PTFE HDPE Ball Valve Seats
- Safety-Blocked™ Seal Carrier on Ball Valve
- Replaceable Sealed Check Valve Cartridge
- Suitable for Horizontal or Vertical Up-flow Installations
- Socket End Connections

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply



Size	A	B	C	D	E
1-1/2	3-7/8	5-3/4	8-1/4	3-3/16	4-1/4
2	4-7/16	6-11/16	9-3/8	3-7/8	5-1/16

General Installation Information: Swing Check Ball Valves are designed for horizontal installations, but may be installed in up-flow only vertical position. The Check Valve portion **MUST** be installed with the valve's FLOW arrow pointing in the direction of flow and with the designated side up in horizontal installations. Do Not install Check Valve upside down. The Ball Valve portion may be rotated and installed in any position. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure is less than 0.5 psi.

PVC Swing Check Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
7622-015	1-1/2	10	0	026	40.44
7622-020	2	6	0	026	58.04

Soc x Soc

Thermoplastic Valves CTS Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC CTS Ball Valves Socket with EPDM O-ring Seal



100 psi Maximum Internal Pressure @ 180°F (82°C)

1922-005	1/2	50	200	217	31.72
1922-007	3/4	25	0	217	37.50
1922-010	1	25	0	217	43.25
1922-012	1-1/4	20	0	217	67.15
1922-015	1-1/2	20	0	217	96.84
1922-020	2	8	0	217	124.06

For additional valve information, please refer to Spears® Thermoplastic Valves & Accessories Product Guide & Engineering Specifications V-4.

1/4-Turn Angle Supply Stop Socket x NPT



100 psi @ 180°F (82°C)

1/2" & 3/8" Male Thread for Connection to Female Flexible Supply Line

7722-005	1/2	50	400	217	15.61
7722-073	1/2X3/8	50	400	217	15.61

1/4-Turn Angle Supply Stop SR FPT x NPT



100 psi @ 180°F (82°C)

1/2" & 3/8" Male Thread for Connection to Female Flexible Supply Line

7721-005SR	1/2	50	400	217	38.66
7721-073SR	1/2X3/8	50	400	217	38.66

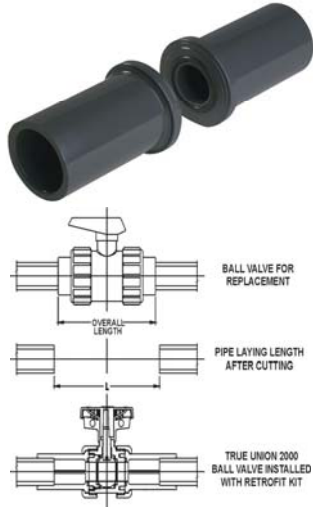


Thermoplastic Valves Ball Valve Accessories & Repair Kits

Retrofit End Connector Sets (Socket Style Only)

Special extended Socket end connectors allow in-line replacement of other brand valves with Spears® True Union 2000 Ball Valves, 3-Way Ball Valves, and True Union 2000 Ball Check Valves. Kit includes 2 Extended End Connectors with O-rings

Retrofit Kit For Other Brand Valves



Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	4-29/32	5-7/16	6-3/32	7-1/4	7-1/2	8-17/32	10-3/4	11-7/16	14-15/16

True Union Retrofit Kits - Other Brand Valves (Socket Style Only) PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	RFK2-005 9.65	RFK3-005 12.57	1	25	299
3/4	RFK2-007 12.56	RFK3-007 14.35	1	25	299
1	RFK2-010 14.22	RFK3-010 16.61	1	25	299
1-1/4	RFK2-012 16.71	RFK3-012 23.73	1	10	299
1-1/2	RFK2-015 20.96	RFK3-015 27.36	1	10	299
2	RFK2-020 30.19	RFK3-020 37.73	1	10	299
2-1/2	RFK2-025 55.55	RFK3-025 75.60	1	5	299
3	RFK2-030 73.89	RFK3-030 92.34	1	5	299
4	RFK2-040 109.05	RFK3-040 156.06	1	4	299

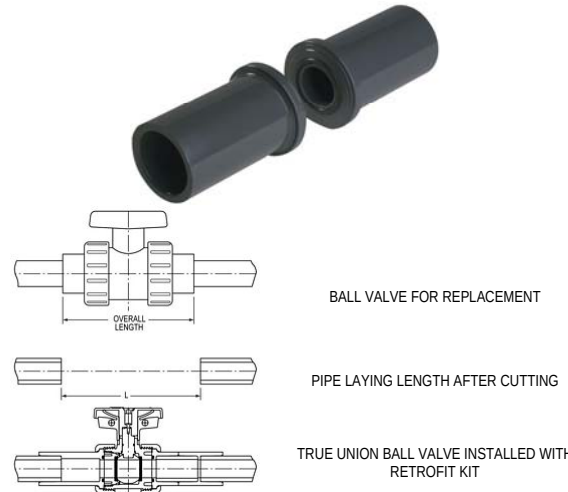
True Union Retrofit Kits - Other Brand Valves (Socket Style Only) CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	RFK2-005C 14.01	RFK3-005C 15.18	1	25	299
3/4	RFK2-007C 15.77	RFK3-007C 19.14	1	25	299
1	RFK2-010C 18.02	RFK3-010C 21.97	1	25	299
1-1/4	RFK2-012C 23.47	RFK3-012C 30.49	1	10	299
1-1/2	RFK2-015C 28.65	RFK3-015C 36.64	1	10	299
2	RFK2-020C 38.90	RFK3-020C 46.45	1	10	299
2-1/2	RFK2-025C 82.17	RFK3-025C 98.13	1	5	299
3	RFK2-030C 110.12	RFK3-030C 133.47	1	5	299

True Union Retrofit Kits - Other Brand Valves (Socket Style Only) CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
4	RFK2-040C 157.46	RFK3-040C 208.02	1	4	299

Retrofit Kit For Older "Regular Style" Spears® Valves



Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L	5-5/16	6-1/4	6-11/16	7-1/8	8-3/16	8-15/16	12	12-1/16	13-3/16

True Union Retrofit Kits - Older "Regular Style" Spears® Valves (Socket Style Only) PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	RFKS2-005 9.65	RFKS3-005 12.57	1	10	299
3/4	RFKS2-007 12.56	RFKS3-007 14.35	1	10	299
1	RFKS2-010 14.22	RFKS3-010 16.61	1	10	299
1-1/4	RFKS2-012 16.71	RFKS3-012 23.73	1	10	299
1-1/2	RFKS2-015 20.96	RFKS3-015 27.36	1	10	299
2	RFKS2-020 30.19	RFKS3-020 37.73	1	5	299
2-1/2	RFKS2-025 55.55	RFKS3-025 75.60	1	5	299
3	RFKS2-030 73.89	RFKS3-030 92.34	1	5	299
4	RFKS2-040 109.05	RFKS3-040 156.06	1	2	299

True Union Retrofit Kits - Older "Regular Style" Spears® Valves (Socket Style Only) CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	RFKS2-005C 14.01	RFKS3-005C 15.18	1	10	299
3/4	RFKS2-007C 15.77	RFKS3-007C 19.14	1	10	299
1	RFKS2-010C 18.02	RFKS3-010C 21.97	1	10	299
1-1/4	RFKS2-012C 23.47	RFKS3-012C 30.49	1	10	299
1-1/2	RFKS2-015C 28.65	RFKS3-015C 36.64	1	10	299
2	RFKS2-020C 38.90	RFKS3-020C 46.45	1	5	299

Thermoplastic Valves Ball Valve Accessories & Repair Kits



True Union Retrofit Kits - Older "Regular Style" Spears® Valves (Socket Style Only) CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	RFKS2-025C 82.17	RFKS3-025C 98.13	1	5	299
3	RFKS2-030C 110.12	RFKS3-030C 133.47	1	5	299
4	RFKS2-040C 157.46	RFKS3-040C 208.02	1	2	299

Supplemental End Connector Sets



Set of 2 End Connectors with O-rings for all True Union 2000 Ball Valves, Sch 80 Union 2000 fittings and True Union Style Diaphragm Valves.

PVC - Supplemental End Connector Sets

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
SR Threaded Ends					
1/2	ECSRT2-005 7.80	ECSRT3-005 9.83	1	25	299
3/4	ECSRT2-007 11.28	ECSRT3-007 12.54	1	25	299
1	ECSRT2-010 12.56	ECSRT3-010 14.07	1	25	299
1-1/4	ECSRT2-012 16.64	ECSRT3-012 21.52	1	10	299
1-1/2	ECSRT2-015 22.65	ECSRT3-015 27.13	1	10	299
2	ECSRT2-020 29.77	ECSRT3-020 35.05	1	10	299
2-1/2	ECSRT2-025 60.97	ECSRT3-025 75.00	1	5	299
3	ECSRT2-030 73.78	ECSRT3-030 86.71	1	5	299
4	ECSRT2-040 102.11	ECSRT3-040 135.03	1	4	299
6	ECSRT2-060 220.57	ECSRT3-060 291.65	1	4	299

Socket Ends

1/2	ECS2-005 6.77	ECS3-005 8.82	1	25	299
3/4	ECS2-007 8.80	ECS3-007 10.06	1	25	299
1	ECS2-010 9.95	ECS3-010 11.63	1	25	299
1-1/4	ECS2-012 11.70	ECS3-012 16.63	1	10	299
1-1/2	ECS2-015 14.68	ECS3-015 19.15	1	10	299
2	ECS2-020 21.14	ECS3-020 26.41	1	10	299
2-1/2	ECS2-025 38.89	ECS3-025 52.91	1	5	299
3	ECS2-030 51.72	ECS3-030 64.64	1	5	299
4	ECS2-040 76.35	ECS3-040 109.23	1	4	299

PVC - Supplemental End Connector Sets (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket Ends					
6	ECS2-060 164.90	ECS3-060 235.98	1	0	299
Spigot Ends					
1/2	ECSP2-005 6.77	ECSP3-005 8.82	1	25	299
3/4	ECSP2-007 8.80	ECSP3-007 10.06	1	25	299
1	ECSP2-010 9.95	ECSP3-010 11.63	1	25	299
1-1/4	ECSP2-012 11.70	ECSP3-012 16.63	1	10	299
1-1/2	ECSP2-015 14.68	ECSP3-015 19.15	1	10	299
2	ECSP2-020 21.14	ECSP3-020 26.41	1	10	299
2-1/2	ECSP2-025 38.89	ECSP3-025 52.91	1	5	299
3	ECSP2-030 51.72	ECSP3-030 64.64	1	5	299
4	ECSP2-040 76.35	ECSP3-040 109.23	1	4	299

CPVC - Supplemental End Connector Sets

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
SR Threaded Ends					
1/2	ECSRT2-005C 10.84	ECSRT3-005C 11.65	1	25	299
3/4	ECSRT2-007C 13.50	ECSRT3-007C 15.85	1	25	299
1	ECSRT2-010C 15.07	ECSRT3-010C 17.85	1	25	299
1-1/4	ECSRT2-012C 22.09	ECSRT3-012C 29.33	1	10	299
1-1/2	ECSRT2-015C 28.02	ECSRT3-015C 33.62	1	10	299
2	ECSRT2-020C 35.87	ECSRT3-020C 41.16	1	10	299
2-1/2	ECSRT2-025C 79.55	ECSRT3-025C 90.78	1	5	299
3	ECSRT2-030C 99.15	ECSRT3-030C 115.52	1	5	299
4	ECSRT2-040C 136.00	ECSRT3-040C 171.41	1	4	299
6	ECSRT2-060C 293.77	ECSRT3-060C 370.21	1	4	299

Socket Ends

1/2	ECS2-005C 9.81	ECS3-005C 10.63	1	25	299
3/4	ECS2-007C 11.04	ECS3-007C 13.39	1	25	299
1	ECS2-010C 12.60	ECS3-010C 15.37	1	25	299
1-1/4	ECS2-012C 17.16	ECS3-012C 21.35	1	10	299
1-1/2	ECS2-015C 20.04	ECS3-015C 25.65	1	10	299
2	ECS2-020C 27.24	ECS3-020C 32.51	1	10	299
2-1/2	ECS2-025C 57.52	ECS3-025C 68.69	1	5	299
3	ECS2-030C 77.07	ECS3-030C 93.45	1	5	299
4	ECS2-040C 110.23	ECS3-040C 145.62	1	4	299
6	ECS2-060C 238.11	ECS3-060C 314.54	1	0	299

Spigot Ends

1/2	ECSP2-005C 9.81	ECSP3-005C 10.63	1	25	299
3/4	ECSP2-007C 11.04	ECSP3-007C 13.39	1	25	299



Thermoplastic Valves Ball Valve Accessories & Repair Kits

CPVC - Supplemental End Connector Sets (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Spigot Ends					
1	ECSP2-010C 12.60	ECSP3-010C 15.37	1	25	299
1-1/4	ECSP2-012C 17.16	ECSP3-012C 21.35	1	10	299
1-1/2	ECSP2-015C 20.04	ECSP3-015C 25.65	1	10	299
2	ECSP2-020C 27.24	ECSP3-020C 32.51	1	10	299
2-1/2	ECSP2-025C 57.52	ECSP3-025C 68.69	1	5	299
3	ECSP2-030C 77.07	ECSP3-030C 93.45	1	5	299
4	ECSP2-040C 110.23	ECSP3-040C 145.62	1	4	299

True Union 2000 Valve Seal Carrier Tools (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
True Union 2000 Check Valve Seal Carrier Tool					
TSK-04003	4	150	0	299	4.76
TSK-06003	6	40	0	299	9.85

True Union 2000 Ball Valve Seal Carrier Tool

TSK1-00503	1/2	2200	0	299	.79
TSK1-00703	3/4	1800	0	299	.79
TSK1-01003	1	1600	0	299	.79
TSK1-01203	1-1/4	1200	0	299	1.59
TSK1-01503	1-1/2	700	0	299	1.59
TSK1-02003	2	550	0	299	1.59
TSK-03003	3	200	0	299	4.76
TSK-04003	4	150	0	299	4.76
TSK-06003	6	40	0	299	9.85

Seal Carrier Adjustment Tool for Regular True Union Valves (not shown)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
VT-025-040	2-1/2 - 4	20	0	299	41.88

Designed for use on Spears® 2-1/2", 3", & 4" Regular True Union Ball Valves for quick, easy adjustment of valve seal carriers using a standard 1", 6-point socket.

Split Nut Repair Kits



Split Nut Repair Kit

Designed to replace broken union nuts on all True Union 2000 Ball Valves and Sch 80 Union 2000 fittings

Kit includes:

2-Split Nut Halves
Full valve pressure rating maintained

1-SS316 Gear Clamp

Split Nut Repair Kits

Size	PVC	CPVC	Std Pk	Mstr Pk	Disc Code
1/2	SNK-005 8.00	SNK-005C 12.31	25	200	299
3/4	SNK-007 9.89	SNK-007C 15.53	1	25	299
1	SNK-010 12.38	SNK-010C 19.01	1	25	299
1-1/4	SNK-012 15.49	SNK-012C 25.36	1	25	299
1-1/2	SNK-015 20.70	SNK-015C 36.37	1	25	299
2	SNK-020 31.53	SNK-020C 54.56	1	25	299
3	SNK-030 85.56	SNK-030C 196.99	1	6	299
4	SNK-040 142.61	SNK-040C 275.87	1	6	299

True Union 2000 Valve Seal Carrier Tools



True Union 2000 Valve Seal Carrier Tools

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

True Union 2000 Check Valve Seal Carrier Tool

TSK-00503	1/2	1000	0	299	.79
TSK-00703	3/4	1800	0	299	.79
TSK-01003	1	1800	0	299	.79
TSK-01203	1-1/4	1500	0	299	1.59
TSK-01503	1-1/2	800	0	299	1.59
TSK-02003	2	550	0	299	1.59
TSK-03003	3	200	0	299	4.76

Thermoplastic Valves Ball Valve Accessories & Repair Kits



Stem Extension Kits



Desired Handle Height for Factory Assembled One-Piece Units

Desired Handle Height	Code	Desired Handle Height	Code	Desired Handle Height	Code	Desired Handle Height	Code
5"	050	16"	160	27"	270	38"	380
6"	060	17"	170	28"	280	39"	390
7"	070	18"	180	29"	290	40"	400
8"	080	19"	190	30"	300	41"	410
9"	090	20"	200	31"	310	42"	420
10"	100	21"	210	32"	320	43"	430
11"	110	22"	220	33"	330	44"	440
12"	120	23"	230	34"	340	45"	450
13"	130	24"	240	35"	350	46"	460
14"	140	25"	250	36"	360	47"	470
15"	150	26"	260	37"	370	48"	480

If desired handle height is in increments of less than a full inch, substitute the last "0" of the three-digit code with a "2" for 1/4", a "5" for 1/2", or a "7" for 3/4". EXAMPLE: If ordering a Stem Extension Kit for a 1/2" valve with a desired handle height of 14-3/4", the part number would read: BVSE-005-147.

* Desired length of PVC Schedule 80 Pipe purchased separately and assembled by others.

** Factory assembled with solvent cemented PVC Schedule 80 pipe. To order, fill in the last three digits of the part number with the three-digit code representing the desired handle height from the chart above. FACTORY SOLVENT CEMENTED STEM EXTENSION KITS, ONCE PRODUCED ARE NON-CANCELLABLE AND NON-RETURNABLE.

IMPORTANT NOTE										
The following minimum handle heights apply to use of all Stem Extension Kits.										
Valve Size (in.)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6
True Union 2000 Industrial Ball Valves										
Minimum Height (in.)	4-9/16	5-3/16	5-1/2	6-3/4	7-3/8	8	9-13/16	9-13/16	11-5/8	12-3/4
True Union 2000 Standard, Compact 2000 & Single Entry Ball Valves										
Minimum Height (in.)	3-5/8	4-1/4	4-3/4	6	6-3/8	7-7/16	9-1/2	9-1/2	11	N/A
Regular True Union & Compact Ball Valves										
Minimum Height (in.)	4-1/2	5-1/4	5-1/2	7	7-1/2	8	9	9	10-1/2	N/A

Stem Extension Kits (Two Piece)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Fits Spears Regular True Union and Compact Ball Valves, 1/2"-2" = 3-Slot Stem, 2-1/2"-4" = Double Flats Stem

BVSE-005-000*	1/2	1	25	299	10.26
BVSE-007-000*	3/4	1	25	299	11.38
BVSE-010-000*	1	1	25	299	11.38
BVSE-012-000*	1-1/4	1	25	299	18.44
BVSE-015-000*	1-1/2	1	25	299	20.95
BVSE-020-000*	2	1	25	299	22.77
BVSE-030-000*	2-1/2, 3	1	25	299	23.23
BVSE-040-000*	4	1	25	299	31.90

Optional Factory Assembled (One-Piece)

Part Number	Disc Code	5"-12" Handle Height	13"-18" Handle Height	19"-24" Handle Height	25"-36" Handle Height	37"-48" Handle Height
BVSE-005-__**	299	16.86	18.26	19.76	26.19	30.46
BVSE-007-__**	299	18.10	19.46	20.96	27.40	31.68
BVSE-010-__**	299	18.10	19.46	20.96	27.40	31.68
BVSE-012-__**	299	28.22	29.15	32.27	40.82	45.95
BVSE-015-__**	299	30.86	33.31	34.89	43.47	48.59
BVSE-020-__**	299	32.80	35.22	36.81	45.41	50.51
BVSE-030-__**	299	33.52	35.73	37.28	45.87	50.97
BVSE-040-__**	299	46.18	50.04	53.51	60.50	70.24

Stem Extension Kits (Two Piece)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Fits All True Union 2000, Compact 2000 & Single Entry Ball Valves (Except 3-Way) 1/2" - 3" = 3-Slot Stem, sizes 4"-6" = Double Flats Stem

BVSE2-005-000*	1/2	1	25	299	10.26
BVSE2-007-000*	3/4	1	25	299	11.38
BVSE2-010-000*	1	1	25	299	11.38
BVSE2-012-000*	1-1/4	1	25	299	18.44
BVSE2-015-000*	1-1/2	1	25	299	20.95
BVSE2-020-000*	2	1	25	299	22.77
BVSE2-030-000*	2-1/2, 3	1	25	299	23.23
BVSE2-040-000*	4	1	25	299	31.90
BVSE2-060-000*	6	1	25	299	59.01

Optional Factory Assembled (One-Piece)

Part Number	Disc Code	5"-12" Handle Height	13"-18" Handle Height	19"-24" Handle Height	25"-36" Handle Height	37"-48" Handle Height
BVSE2-005-__**	299	16.86	18.26	19.76	26.19	30.46
BVSE2-007-__**	299	18.10	19.46	20.96	27.40	31.68
BVSE2-010-__**	299	18.10	19.46	20.96	27.40	31.68
BVSE2-012-__**	299	28.22	29.15	32.27	40.82	45.95
BVSE2-015-__**	299	30.86	33.31	34.89	43.47	48.59
BVSE2-020-__**	299	32.80	35.22	36.81	45.41	50.51
BVSE2-030-__**	299	33.52	35.73	37.28	45.87	50.97
BVSE2-040-__**	299	46.18	50.04	53.51	60.50	70.24
BVSE2-060-__**	299	85.51	92.69	99.10	112.01	130.06

Round Safety Handle Kits



Regular fits Spears® Regular True Union and Compact Ball Valves in sizes 1/2" - 2" with 3-Slot Stem and in sizes 2-1/2" - 4" with 1-Slot Stem.

Industrial fits All True Union 2000, Compact 2000, and Single Entry Ball Valves in sizes 1/2" - 2" with 3-Slot Stem and in sizes 2-1/2" - 4" with 1-Slot Stem. The 6" size has a Double-Flat Stem pattern.

Round Safety Handle Kits

Size	Regular	Industrial	Std Pk	Mstr Pk	Disc Code
1/2	RSH-005 13.22	RSH2-005 13.22	500	0	299
3/4	RSH-007 15.94	RSH2-007 15.94	300	0	299
1	RSH-010 16.84	RSH2-010 16.84	210	0	299
1-1/4	RSH-012 20.02	RSH2-012 20.02	200	0	299



Thermoplastic Valves Ball Valve Accessories & Repair Kits

Round Safety Handle Kits (continued)

2" Operator Nuts

Size	Regular	Industrial	Std Pk	Mstr Pk	Disc Code
1-1/2	RSH-015 20.02	RSH2-015 20.02	100	0	299
2	RSH-020 25.96	RSH2-020 25.96	60	0	299
2-1/2 & 3	RSH-030 55.56	RSH2-030 55.56	25	0	299
4	RSH-040 74.68	RSH2-040 74.68	16	0	299
6	---	RSH2-060 90.41	16	0	299



Industrial & Regular (VTN2 Series) Operator Nuts fit Regular True Union, True Union 2000, Compact, Compact 2000 and Single Entry Ball Valves in sizes 1/2" - 2" with current 3-Slot Stems and in sizes 2-1/2", 3", and 4" with current 1-Slot Stems. The VTN-040 fits the 6" size with a Double-Flat Stem pattern.

2" Operator Nuts

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Regular

VTN-030	2-1/2 & 3	10	40	299	102.47
VTN-040	4	5	0	299	102.47

Industrial

VTN2-005	1/2	10	60	299	12.31
VTN2-007	3/4	10	60	299	16.38
VTN2-010	1	10	60	299	20.51
VTN2-012	1-1/4	10	60	299	24.60
VTN2-015	1-1/2	10	60	299	36.91
VTN2-020	2	10	60	299	61.47
VTN2-030	2-1/2 & 3	10	40	299	67.25
VTN2-040	4	5	0	299	71.30

Handle Lockout Ring



Spears® Handle Lockout Ring is for use with Spears® True Union 2000 Industrial Ball Valves with built-in handle lockout mechanism. Normal handle lockout operation allows lockout in both open and closed positions. The Lockout Ring limits lockout operation to either a lock-open only or a lock-closed only position, according to the position in which the Lockout Ring is installed.

Handle Lockout Ring

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
TU2LR-005	1/2	250	3000	299	18.97
TU2LR-007	3/4	250	3000	299	18.97
TU2LR-010	1	250	3000	299	18.97
TU2LR-012	1-1/4	1	25	299	18.97
TU2LR-015	1-1/2	1	25	299	21.35
TU2LR-020	2	1	25	299	21.35
TU2LR-030	2-1/2 & 3	1	25	299	23.72
TU2LR-040	4	1	25	299	23.72

Multi-Mount Mounting Bracket



TUMB2 fits all True Union 2000 Ball Valves (except 3-Way). TUMB fits Regular True Union Ball Valves.

Multi-Mount Mounting Bracket

Size	TU 2000	Regular True Union	Std Pk	Mstr Pk	Disc Code
1/2	TUMB2-005 44.84	TUMB-005 44.84	1	10	299
3/4	TUMB2-007 47.51	TUMB-007 47.51	1	10	299
1	TUMB2-010 51.12	TUMB-010 51.12	1	10	299
1-1/4	TUMB2-012 53.50	TUMB-012 53.50	1	10	299
1-1/2	TUMB2-015 57.63	TUMB-015 57.63	1	10	299
2	TUMB2-020 64.30	TUMB-020 64.30	1	10	299
2-1/2, 3	TUMB2-030 122.14	TUMB-030 122.14	1	4	299
4	TUMB2-040 149.39	TUMB-040 149.39	1	4	299

Multi-Mount Actuator Mounting Platform



Add-on actuator adapter. Use MMP1 with True Union 2000 Multi-Mount Bracket. Use MMP with Regular True Union.

Multi-Mount Actuator Mounting Platform

Size	TU 2000	Regular True Union	Std Pk	Mstr Pk	Disc Code
1/2	MMP1-005 18.97	MMP-005 18.97	1	10	299
3/4	MMP1-007 19.62	MMP-007 19.62	1	10	299
1	MMP1-010 22.90	MMP-010 22.90	1	10	299
1-1/4	MMP1-012 25.01	MMP-012 25.01	1	10	299
1-1/2	MMP1-015 34.19	MMP-015 34.19	1	10	299
2	MMP1-020 38.67	MMP-020 38.67	1	10	299
2-1/2, 3	MMP1-030 87.27	MMP-030 87.27	1	5	299

Thermoplastic Valves Ball Valve Accessories & Repair Kits



Multi-Mount Actuator Mounting Platform (continued)

Size	TU 2000	Regular True Union	Std Pk	Mstr Pk	Disc Code
4	MMP1-040 100.56	MMP-040 100.56	1	5	299

True Union Multi-Mount Mounting Kit



Complete Multi-Mount Actuation Mounting Kit fits all True Union 2000 (except 3-Way) and Regular True Union Ball Valves.

True Union Multi-Mount Mounting Kit

Size	TU 2000	Regular True Union	Std Pk	Mstr Pk	Disc Code
1/2	TUAK1-005 60.65	TUAK-005 60.65	1	5	299
3/4	TUAK1-007 63.81	TUAK-007 63.81	1	5	299
1	TUAK1-010 70.37	TUAK-010 70.37	1	5	299
1-1/4	TUAK1-012 74.61	TUAK-012 74.61	1	5	299
1-1/2	TUAK1-015 87.26	TUAK-015 87.26	1	5	299
2	TUAK1-020 97.82	TUAK-020 97.82	1	5	299
2-1/2 & 3	TUAK1-030 198.95	TUAK-030 198.95	1	5	299
4	TUAK1-040 237.44	TUAK-040 237.44	1	2	299

True Union 2000 Low Profile Actuator Mounting Kit



Industrial Unit - Top-mount actuator mounting system for True Union 2000 Industrial (1800 series) & 3-Way Ball Valves

Standard Unit - Top-mount actuator mounting system for True Union 2000 Standard Ball Valves (3600 series) and Compact 2000 Ball Valves (6600 series)

Note: Low Profile Mounting Kit will not work with Multi-Mount Valve Mounting Bracket - See Mini-Mount actuation Mounting Kit or Mini-Mount Combo Actuation Mounting Kit

True Union 2000 Low Profile Actuator Mounting Kit Mini-Mount Actuator Mounting Kit

Size	TU 2000 Industrial	TU 2000 Standard & Compact	Std Pk	Mstr Pk	Disc Code
1/2	AMB5-005 13.90	AMB6-005 13.90	1	10	299
3/4	AMB5-007 16.89	AMB6-007 16.89	1	10	299
1	AMB5-010 20.46	AMB6-010 20.46	1	10	299
1-1/4	AMB5-012 22.87	AMB6-012 22.87	1	10	299
1-1/2	AMB5-015 24.99	AMB6-015 24.99	1	10	299
2	AMB5-020 32.78	AMB6-020 32.78	1	10	299
3	AMB5-030 68.46	AMB6-030 68.46	1	10	299
4	AMB5-040 72.06	AMB6-040 72.06	1	5	299
6	AMB5-060 105.11	---	1	5	299



Industrial Unit - Top-mount actuator mounting system for True Union 2000 Industrial (1800 series) & 3-Way Ball Valves

Standard Unit - Top-mount actuator mounting system for True Union 2000 Standard Ball Valves (3600 series) and Compact 2000 Ball Valves (6600 series)

Compact Unit - Top-mount actuator mounting system for Regular Style Compact Ball Valves (2100 series)

Mini-Mount Actuator Mounting Kit

Size	TU 2000 Industrial	TU 2000 Standard/Compact	Compact (Regular)	Std Pk	Mstr Pk	Disc Code
1/2	AMB2-005 13.90	AMB3-005 13.90	AMB4-005 13.90	1	10	299
3/4	AMB2-007 16.89	AMB3-007 16.89	AMB4-007 16.89	1	10	299
1	AMB2-010 20.46	AMB3-010 20.46	AMB4-010 20.46	1	10	299



Thermoplastic Valves Ball Valve Accessories & Repair Kits

Mini-Mount Actuator Mounting Kit (continued)

True Union 2000 Mini-Mount Combo

Size	TU 2000 Industrial	TU 2000 Standard/Compact	Compact (Regular)	Std Pk	Mstr Pk	Disc Code
1-1/4	AMB2-012 22.87	AMB3-012 22.87	AMB4-012 22.87	1	10	299
1-1/2	AMB2-015 24.99	AMB3-015 24.99	AMB4-015 24.99	1	10	299
2	AMB2-020 32.78	AMB3-020 32.78	AMB4-020 32.78	1	10	299
3	AMB2-030 68.46	AMB3-030 68.46	AMB4-030 68.46	1	10	299
4	AMB2-040 72.06	AMB3-040 72.06	AMB4-040 72.06	1	5	299
6	AMB2-060 105.11	---	---	1	5	299



Industrial Unit – Top-mount actuator mounting system with valve support mounting bracket for True Union 2000 Industrial (1800 series) Ball Valve (will not fit 3-Way)

Standard Unit – Top-mount actuator mounting system with valve support mounting bracket for True Union 2000 (3600 series) Standard Ball Valve

True Union 2000 Mini-Mount Combo

Size	Industrial	Standard	Std Pk	Mstr Pk	Disc Code
1/2	TUAK2-005 60.65	TUAK3-005 60.65	1	5	299
3/4	TUAK2-007 63.81	TUAK3-007 63.81	1	10	299
1	TUAK2-010 70.37	TUAK3-010 70.37	1	5	299
1-1/4	TUAK2-012 74.61	TUAK3-012 74.61	1	5	299
1-1/2	TUAK2-015 87.26	TUAK3-015 87.26	1	5	299
2	TUAK2-020 97.82	TUAK3-020 97.82	1	5	299
3	TUAK2-030 198.95	TUAK3-030 198.95	1	5	299
4	TUAK2-040 237.44	TUAK3-040 237.44	1	2	299

True Union 2000 Valve Repair Kits — Industrial Ball Valve

Industrial Kit includes:

- 2-PTFE Seats
- 2-End Connector O-rings
- 2-Stem O-rings
- 1-Seal Carrier O-ring
- 1-PTFE Stem Bearing
- 2-Seal O-rings (where applicable)

True Union 2000 Valve Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Industrial Ball Valve					
1/2	TU2-ERK-005 18.69	TU2-VRK-005 21.17	1	10	299
3/4	TU2-ERK-007 21.17	TU2-VRK-007 21.88	1	10	299
1	TU2-ERK-010 21.88	TU2-VRK-010 27.90	1	10	299
1-1/4	TU2-ERK-012 26.60	TU2-VRK-012 44.71	1	10	299

True Union 2000 Valve Repair Kits (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Industrial Ball Valve					
1-1/2	TU2-ERK-015 38.17	TU2-VRK-015 58.54	1	10	299
2	TU2-ERK-020 43.94	TU2-VRK-020 81.95	1	10	299
2-1/2 & 3	TU2-ERK-030 101.40	TU2-VRK-030 132.96	1	10	299
4	TU2-ERK-040 144.21	TU2-VRK-040 172.33	1	10	299
6	TU2-ERK-060 262.72	TU2-VRK-060 334.85	1	10	299

True Union 2000 Valve Repair Kits — Standard Ball Valve

Standard Kit includes:

- 2-HDPE/PTFE Seats
- 2-End Connector O-rings
- 2-Stem O-rings
- 1-Seal Carrier O-ring
- 2-Seal O-rings (where applicable)

Standard Ball Valve

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	TU1-ERK-005 17.78	TU1-VRK-005 20.12	1	10	299
3/4	TU1-ERK-007 20.12	TU1-VRK-007 20.81	1	10	299
1	TU1-ERK-010 20.81	TU1-VRK-010 26.49	1	10	299
1-1/4	TU1-ERK-012 25.24	TU1-VRK-012 42.48	1	10	299
1-1/2	TU1-ERK-015 36.27	TU1-VRK-015 55.62	1	10	299
2	TU1-ERK-020 41.73	TU1-VRK-020 86.27	1	10	299
2-1/2 & 3	TU1-ERK-030 96.32	TU1-VRK-030 126.30	1	10	299
4	TU1-ERK-040 137.02	TU1-VRK-040 163.71	1	10	299

True Union 2000 Valve Repair Kits — 3-Way Ball Valve

3-Way Kit includes:

- 2-PTFE Seats (no branch seal)
- 3-End Connector O-rings
- 2-Stem O-rings
- 1-Seal Carrier O-ring
- 1-Stem Bushing
- 2-Seal O-rings (where applicable)

3-Way Ball Valve

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	TU3-ERK-005 26.72	TU3-VRK-005 30.26	1	10	299
3/4	TU3-ERK-007 30.26	TU3-VRK-007 31.28	1	10	299
1	TU3-ERK-010 31.28	TU3-VRK-010 39.85	1	10	299
1-1/4	TU3-ERK-012 37.98	TU3-VRK-012 63.87	1	10	299
1-1/2	TU3-ERK-015 54.55	TU3-VRK-015 83.65	1	10	299
2	TU3-ERK-020 62.78	TU3-VRK-020 117.05	1	10	299
2-1/2 & 3	TU3-ERK-030 144.85	TU3-VRK-030 189.93	1	10	299
4	TU3-ERK-040 194.70	TU3-VRK-040 246.18	1	10	299

Thermoplastic Valves Ball Valve Accessories & Repair Kits



True Union 2000 Valve Repair Kits — Ball Check Valve

Ball Check Kit includes:
2-End Connector O-rings
1-Seal Carrier O-ring
1-Seal Plate O-ring

True Union 2000 Valve Repair Kits

Single Entry Ball Valve Repair Kit

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Ball Check Valve

1/2	CK2-ERK-005 3.19	CK2-VRK-005 5.93	1	10	299
3/4	CK2-ERK-007 3.85	CK2-VRK-007 9.80	1	10	299
1	CK2-ERK-010 5.01	CK2-VRK-010 15.94	1	10	299
1-1/4	CK2-ERK-012 7.51	CK2-VRK-012 25.49	1	10	299
1-1/2	CK2-ERK-015 7.51	CK2-VRK-015 25.49	1	10	299
2	CK2-ERK-020 11.14	CK2-VRK-020 27.52	1	10	299
3	CK2-ERK-030 16.26	CK2-VRK-030 76.73	1	10	299
4	CK2-ERK-040 21.03	CK2-VRK-040 82.87	1	10	299
6	CK2-ERK-060 38.37	CK2-VRK-060 198.84	1	10	299

Single Entry Kit includes:
2-End Connector O-rings
1-Seal Carrier O-ring
1-Seal Plate O-ring
1-Stem Bearing (1-1/4" & up)

Single Entry Ball Valve Repair Kits

True Union Valve Repair Kits (Regular Style)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	SE-BRK-005 15.26	SE-ERK-005 16.17	SE-VRK-005 18.91	1	10	299
3/4	SE-BRK-007 15.71	SE-ERK-007 16.64	SE-VRK-007 19.12	1	10	299
1	SE-BRK-010 16.84	SE-ERK-010 17.52	SE-VRK-010 20.02	1	10	299
1-1/4, 1-1/2	SE-BRK-015 21.41	SE-ERK-015 23.69	SE-VRK-015 28.45	1	10	299
2	SE-BRK-020 24.36	SE-ERK-020 25.03	SE-VRK-020 29.84	1	10	299
3	SE-BRK-030 56.01	SE-ERK-030 56.28	SE-VRK-030 61.43	1	10	299
4	SE-BRK-040 103.36	SE-ERK-040 103.41	SE-VRK-040 106.52	1	10	299

Ball Valve Kit includes:
2-PTFE Seats
2-Seat O-rings (2-1/2")
2-End Connector O-rings
1-Stem Bearing (1-1/4" & up)

True Union Valve Repair Kits (Regular Style)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Ball Valve

1/2	TU-ERK-005 18.69	TU-VRK-005 21.17	1	10	299
3/4	TU-ERK-007 21.17	TU-VRK-007 21.88	1	10	299
1	TU-ERK-010 21.88	TU-VRK-010 27.90	1	10	299
1-1/4	TU-ERK-012 26.60	TU-VRK-012 44.71	1	10	299

True Union Valve Repair Kits (Regular Style) (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Ball Valve

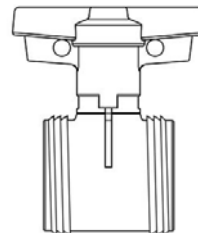
1-1/2	TU-ERK-015 38.17	TU-VRK-015 58.54	1	10	299
2	TU-ERK-020 43.94	TU-VRK-020 81.95	1	10	299
2-1/2, 3	TU-ERK-030 101.40	TU-VRK-030 132.96	1	10	299
4, 6 VENTURIED	TU-ERK-040 144.21	TU-VRK-040 172.33	1	10	299

True Union Ball Check Valve Repair Kits (Regular Style)

Ball Check (Regular Style) Kit includes:
1-Body O-ring
2-Seat-plate O-rings
2-End Connector O-rings

Ball Check Valve

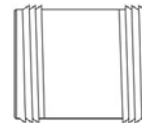
1/2	CK-ERK-005 3.19	CK-VRK-005 5.93	1	10	299
3/4	CK-ERK-007 3.85	CK-VRK-007 9.80	1	10	299
1	CK-ERK-010 5.01	CK-VRK-010 15.94	1	10	299
1-1/4	CK-ERK-012 7.51	CK-VRK-012 25.49	1	10	299
1-1/2	CK-ERK-015 7.51	CK-VRK-015 25.49	1	10	299
2	CK-ERK-020 11.14	CK-VRK-020 27.52	1	10	299
2-1/2 OR 3	CK-ERK-030 16.26	CK-VRK-030 76.73	1	10	299
4	CK-ERK-040 21.03	CK-VRK-040 82.87	1	10	299



True Union 2000 Industrial
Ball Valve Cartridge



True Union 2000 Standard
Ball Valve Cartridge



True Union 2000 Industrial
Ball Check Valve Cartridge

True Union Ball Valve Cartridge Kits include valve assembly, less union nuts and end connectors.

Note: 6" Valve uses Lever-Style Handle for proper leverage. T-Style Handle is more compact, but will increase difficulty of operation.

PVC True Union 2000 Industrial Ball Valve Cartridges

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1820-005 32.80	1830-005 37.28	1	18	299



Thermoplastic Valves Ball Valve Accessories & Repair Kits

PVC True Union 2000 Industrial Ball Valve Cartridges (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3/4	1820-007 38.89	1830-007 41.65	1	18	299
1	1820-010 46.47	1830-010 52.77	1	18	299
1-1/4	1820-012 60.00	1830-012 70.55	1	8	299
1-1/2	1820-015 78.18	1830-015 88.32	1	8	299
2	1820-020 100.18	1830-020 106.64	1	8	299
2-1/2	1820-025 219.78	1830-025 275.57	1	0	299
3	1820-030 268.21	1830-030 297.95	1	0	299
4	1820-040 453.18	1830-040 503.36	1	0	299
6 (T-Style Handle)	18206-060 838.16	18306-060 929.88	1	0	299
6 (Lever Handle)	1820-060 838.16	1830-060 929.88	1	0	299

CPVC True Union 2000 Industrial Ball Valve Cartridges

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1820-005C 46.26	1830-005C 50.47	1	18	299
3/4	1820-007C 56.56	1830-007C 61.69	1	18	299
1	1820-010C 70.41	1830-010C 71.91	1	18	299
1-1/4	1820-012C 94.91	1830-012C 98.70	1	8	299
1-1/2	1820-015C 119.43	1830-015C 125.39	1	8	299
2	1820-020C 161.71	1830-020C 164.76	1	8	299
2-1/2	1820-025C 340.41	1830-025C 378.20	1	0	299
3	1820-030C 398.05	1830-030C 441.21	1	0	299
4	1820-040C 721.13	1830-040C 801.37	1	0	299
6 (T-Style Handle)	18206-060C 1315.76	18306-060C 1461.24	1	0	299
6 (Lever Handle)	1820-060C 1315.76	1830-060C 1461.24	1	0	299

PVC True Union 2000 Industrial Ball Check Valve Cartridges

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	4520-005 38.73	4530-005 43.67	1	10	299
3/4	4520-007 46.20	4530-007 48.76	1	10	299
1	4520-010 54.91	4530-010 61.22	1	6	299
1-1/4	4520-012 84.67	4530-012 90.01	1	4	299
1-1/2	4520-015 92.14	4530-015 102.24	1	4	299
2	4520-020 125.77	4530-020 139.87	1	4	299
2-1/2	4520-025 304.91	4530-025 324.74	1	4	299
3	4520-030 365.11	4530-030 463.56	1	4	299
4	4520-040 571.95	4530-040 602.59	1	0	299
6	4520-060 963.10	4530-060 1069.04	1	0	299

CPVC True Union 2000 Industrial Ball Check Valve Cartridges

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	4520-005C 57.24	4530-005C 63.71	1	18	299
3/4	4520-007C 68.51	4530-007C 76.14	1	18	299
1	4520-010C 80.87	4530-010C 89.84	1	18	299
1-1/4	4520-012C 139.23	4530-012C 154.60	1	12	299
1-1/2	4520-015C 139.23	4530-015C 154.60	1	8	299
2	4520-020C 185.97	4530-020C 207.23	1	8	299
2-1/2	4520-025C 389.72	4530-025C 433.01	1	4	299
3	4520-030C 459.84	4530-030C 548.32	1	4	299
4	4520-040C 855.20	4530-040C 950.85	1	0	299
6	4520-060C 1516.61	4530-060C 1681.06	1	0	299

PVC True Union 2000 Standard Ball Valve Cartridges

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3620-005 25.37	3630-005 28.21	1	18	299
3/4	3620-007 30.00	3630-007 33.38	1	18	299
1	3620-010 35.76	3630-010 39.80	1	18	299
1-1/4	3620-012 49.46	3630-012 63.12	1	12	299
1-1/2	3620-015 59.55	3630-015 66.13	1	12	299
2	3620-020 78.61	3630-020 86.54	1	8	299
2-1/2 & 3	3620-030 199.17	3630-030 221.28	1	0	299
4	3620-040 336.43	3630-040 373.93	1	0	299

CPVC True Union 2000 Standard Ball Valve Cartridges

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	3620-005C 33.49	3630-005C 37.22	1	18	299
3/4	3620-007C 42.20	3630-007C 46.87	1	18	299
1	3620-010C 50.03	3630-010C 55.82	1	18	299
1-1/4	3620-012C 79.83	3630-012C 88.73	1	12	299
1-1/2	3620-015C 84.33	3630-015C 93.71	1	12	299
2	3620-020C 112.79	3630-020C 129.67	1	8	299
2-1/2 & 3	3620-030C 295.69	3630-030C 328.54	1	0	299
4	3620-040C 614.85	3630-040C 595.29	1	0	299

PVC True Union Ball Valve Cartridges (Regular Style)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2320-005 32.80	2330-005 37.28	1	10	299
3/4	2320-007 38.89	2330-007 41.65	1	10	299
1	2320-010 46.47	2330-010 52.77	1	10	299

**Thermoplastic Valves
Ball Valve Accessories & Repair Kits**



PVC True Union Ball Valve Cartridges (Regular Style)
(continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/4	2320-012 60.00	2330-012 70.55	1	4	299
1-1/2	2320-015 78.18	2330-015 88.32	1	4	299
2	2320-020 100.18	2330-020 106.64	1	4	299
2-1/2, 3	2320-030 219.78	2330-030 256.52	1	0	299
4	2320-040 402.97	2330-040 424.18	1	0	299

CPVC True Union Ball Check Valve Cartridges (Regular Style) (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3	2220-030C 362.43	2230-030C 402.69	1	0	299
4	2220-040C 795.34	2230-040C 884.29	1	0	299

CPVC True Union Ball Valve Cartridges (Regular Style)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2320-005C 46.26	2330-005C 50.47	1	10	299
3/4	2320-007C 56.56	2330-007C 61.69	1	10	299
1	2320-010C 70.41	2330-010C 71.91	1	10	299
1-1/4	2320-012C 94.91	2330-012C 98.70	1	4	299
1-1/2	2320-015C 119.43	2330-015C 125.39	1	4	299
2	2320-020C 161.71	2330-020C 164.76	1	4	299
2-1/2, 3	2320-030C 307.34	2330-030C 312.90	1	0	299
4	2320-040C 508.19	2330-040C 606.27	1	0	299

PVC True Union Ball Check Valve Cartridges (Regular Style)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2220-005 36.01	2230-005 40.60	1	10	299
3/4	2220-007 42.93	2230-007 45.35	1	10	299
1	2220-010 51.09	2230-010 56.93	1	6	299
1-1/4	2220-012 74.62	2230-012 69.31	1	4	299
1-1/2	2220-015 85.68	2230-015 95.09	1	4	299
2	2220-020 116.98	2230-020 130.07	1	4	299
2-1/2	2220-025 283.57	2230-025 302.01	1	0	299
3	2220-030 283.57	2230-030 302.01	1	0	299
4	2220-040 531.90	2230-040 560.43	1	0	299

CPVC True Union Ball Check Valve Cartridges (Regular Style)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	2220-005C 53.23	2230-005C 59.27	1	10	299
3/4	2220-007C 63.70	2230-007C 70.81	1	10	299
1	2220-010C 75.19	2230-010C 83.54	1	6	299
1-1/4	2220-012C 129.48	2230-012C 143.78	1	4	299
1-1/2	2220-015C 139.23	2230-015C 154.69	1	4	299
2	2220-020C 173.39	2230-020C 192.72	1	4	299
2-1/2	2220-025C 362.43	2230-025C 402.69	1	0	299



Thermoplastic Valves True Union 2000 Industrial Ball Check Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 4" 235 psi
 6" - 8" 150 psi
 All Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply
 Rated for Vacuum Service

All Valves assembled with Silicone-Free,
 Water Soluble Lubricant
 Contact Spears® for Pricing & Availability
 on Custom Elastomer Seals
 See Ball Valve Accessories & Repair Kits Section
 for Additional Options and Features

General Installation Information: Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

PVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket & Threaded Ends					
1/2	4529-005 53.54	4539-005 60.34	1	18	604
3/4	4529-007 63.84	4539-007 67.38	1	18	604
1	4529-010 75.93	4539-010 84.64	1	18	604
1-1/4	4529-012 110.88	4539-012 124.45	1	12	604
1-1/2	4529-015 127.35	4539-015 141.34	1	8	604
2	4529-020 173.87	4539-020 193.33	1	8	604

Socket Ends

2-1/2	4522-025 421.53	4532-025 448.95	1	0	605
3	4522-030 536.45	4532-030 601.33	1	0	605
4	4522-040 790.71	4532-040 833.07	1	0	605
6	4522-060 1554.91	4532-060 1723.26	1	0	558
8	4522-080 2072.19	4532-080 2297.00	1	0	559

8" Venturi valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025 421.53	4531-025 448.95	1	0	605
3	4521-030 539.89	4531-030 605.59	1	0	605
4	4521-040 790.71	4531-040 833.07	1	0	605
6	4521-060 1554.91	4531-060 1723.26	1	0	558

SR Threaded Ends

1/2	4521-005SR 54.63	4531-005SR 61.41	1	18	604
3/4	4521-007SR 66.44	4531-007SR 69.98	1	18	604
1	4521-010SR 78.50	4531-010SR 87.23	1	18	604
1-1/4	4521-012SR 116.03	4531-012SR 129.57	1	12	604
1-1/2	4521-015SR 135.65	4531-015SR 149.63	1	8	604
2	4521-020SR 182.85	4531-020SR 202.32	1	8	604
2-1/2	4521-025SR 444.50	4531-025SR 471.94	1	0	605
3	4521-030SR 551.13	4531-030SR 471.94	1	0	605
4	4521-040SR 817.52	4531-040SR 859.90	1	0	605
6	4521-060SR 1599.30	4531-060SR 1769.16	1	0	558

PVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Spigot Ends					
1/2	4527-005 53.54	4537-005 60.34	1	18	604
3/4	4527-007 63.84	4537-007 67.38	1	18	604
1	4527-010 75.93	4537-010 84.64	1	12	604
1-1/4	4527-012 110.88	4537-012 124.45	1	12	604
1-1/2	4527-015 127.35	4537-015 141.34	1	8	604
2	4527-020 173.87	4537-020 193.33	1	8	604
2-1/2	4527-025 421.53	4537-025 448.95	1	0	605
3	4527-030 477.31	4537-030 602.66	1	0	605
4	4527-040 790.71	4537-040 833.07	1	0	605
6	4527-060 1554.91	4537-060 1723.26	1	0	558

Flanged Ends

1/2	4523-005 75.49	4533-005 94.74	1	8	604
3/4	4523-007 91.30	4533-007 113.62	5	0	604
1	4523-010 108.21	4533-010 132.21	5	0	604
1-1/4	4523-012 133.84	4533-012 173.01	2	0	604
1-1/2	4523-015 184.68	4533-015 200.72	3	0	604
2	4523-020 260.65	4533-020 266.83	2	0	604
2-1/2	4523-025 539.96	4533-025 628.80	1	0	605
3	4523-030 755.31	4533-030 878.30	1	0	605
4	4523-040 1022.38	4533-040 1186.70	1	0	605
6	4523-060 2448.69	4533-060 2840.47	1	0	558
8	4523-080 3180.11	4533-080 3696.56	1	0	559

8" Venturi valves are 6" ball check valves fitted with 6x8 end connector adapters.

CPVC Industrial

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket & Threaded Ends					
1/2	4529-005C 79.14	4539-005C 88.10	1	18	606
3/4	4529-007C 94.72	4539-007C 105.27	1	18	606
1	4529-010C 111.77	4539-010C 124.17	1	18	606

**Thermoplastic Valves
True Union 2000 Industrial Ball Check Valves**



CPVC Industrial (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Socket & Threaded Ends					
1-1/4	4529-012C 192.50	4539-012C 213.69	1	12	606
1-1/2	4529-015C 192.50	4539-015C 213.69	1	8	606
2	4529-020C 257.12	4539-020C 286.48	1	8	606

Socket Ends

2-1/2	4522-025C 538.78	4532-025C 598.62	1	0	607
3	4522-030C 715.80	4532-030C 779.63	1	0	607
4	4522-040C 1182.31	4532-040C 1314.51	1	0	607
6	4522-060C 2441.02	4532-060C 2711.90	1	0	559
8	4522-080C 2871.80	4532-080C 3614.85	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.

Threaded Ends

2-1/2	4521-025C 538.78	4531-025C 598.62	1	0	607
3	4521-030C 713.67	4531-030C 799.69	1	0	607
4	4521-040C 1182.31	4531-040C 1314.51	1	0	607
6	4521-060C 2441.02	4531-060C 2711.90	1	0	559

SR Threaded Ends

1/2	4521-005CSR 80.20	4531-005CSR 89.18	1	18	606
3/4	4521-007CSR 97.32	4531-007CSR 107.83	1	18	606
1	4521-010CSR 114.33	4531-010CSR 126.76	1	18	606
1-1/4	4521-012CSR 197.63	4531-012CSR 222.00	1	12	606
1-1/2	4521-015CSR 197.63	4531-015CSR 222.00	1	8	606
2	4521-020CSR 266.10	4531-020CSR 295.47	1	8	606
2-1/2	4521-025CSR 562.06	4531-025CSR 621.60	1	0	607
3	4521-030CSR 562.06	4531-030CSR 837.65	1	0	607
4	4521-040CSR 1209.12	4531-040CSR 1341.34	1	0	607
6	4521-060CSR 2506.84	4531-060CSR 2777.72	1	0	559

Spigot Ends

1/2	4527-005C 79.14	4537-005C 88.10	1	18	606
3/4	4527-007C 94.72	4537-007C 105.27	1	18	606
1	4527-010C 111.77	4537-010C 124.17	1	12	606
1-1/4	4527-012C 192.50	4537-012C 213.69	1	12	606
1-1/2	4527-015C 218.59	4537-015C 213.69	1	8	606
2	4527-020C 257.12	4537-020C 286.48	1	8	606
2-1/2	4527-025C 538.78	4537-025C 598.62	1	0	607
3	4527-030C 700.15	4537-030C 775.16	1	0	607
4	4527-040C 1182.31	4537-040C 1314.51	1	0	607
6	4527-060C 2441.02	4537-060C 2711.90	1	0	559

Flanged Ends

1/2	4523-005C 98.27	4533-005C 122.80	1	8	606
------------	---------------------------	----------------------------	---	---	-----

CPVC Industrial (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
3/4	4523-007C 117.24	4533-007C 148.41	1	8	606
1	4523-010C 139.99	4533-010C 172.59	1	8	606
1-1/4	4523-012C 236.12	4533-012C 292.78	1	8	606
1-1/2	4523-015C 252.26	4533-015C 315.22	1	4	606
2	4523-020C 446.04	4533-020C 478.20	1	0	606
2-1/2	4523-025C 808.13	4533-025C 874.29	1	0	607
3	4523-030C 902.35	4533-030C 989.94	1	0	607
4	4523-040C 1492.90	4533-040C 1603.10	1	0	607
6	4523-060C 3980.64	4533-060C 4138.28	1	0	559
8	4523-080C 4582.09	4533-080C 4985.86	1	0	559

8" Venturied valves are 6" ball check valves fitted with 6x8 end connector adapters.



Thermoplastic Valves True Union Ball Check Valves (Regular Style)



Socket/Threaded Style

Pressure Rating @ 73°F
(23°C), Water
1/2" - 2" 235 psi
2-1/2" - 6" 150 psi
Flanged 150 psi

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service
All Valves assembled with Silicone-Free,
Water Soluble Lubricant

6" Venturied Valves are 4" Ball Check Valves equipped with 4x6 End Connectors.

General Installation Information: Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	2229-005 58.59	2239-005 66.02	1	18	220
3/4	2229-007 69.85	2239-007 73.74	1	12	220
1	2229-010 83.07	2239-010 92.61	1	8	220
1-1/4	2229-012 121.32	2239-012 136.15	1	8	220
1-1/2	2229-015 139.34	2239-015 154.64	1	8	220
2	2229-020 190.23	2239-020 211.53	1	4	220

Socket Ends

2-1/2	2222-025 461.19	2232-025 491.19	1	0	220
3	2222-030 557.14	2232-030 647.41	1	0	220
4	2222-040 865.12	2232-040 911.49	1	0	220

Socket Venturied Ends

6 VENTURIED	2222-060 1168.77	2232-060 1323.88	1	0	221
-------------	---------------------	---------------------	---	---	-----

Threaded Ends

2-1/2	2221-025 461.19	2231-025 491.19	1	0	220
3	2221-030 557.14	2231-030 647.41	1	0	220
4	2221-040 865.12	2231-040 911.49	1	0	220

Flanged Ends

1/2	2223-005 82.60	2233-005 103.68	6	0	220
3/4	2223-007 99.89	2233-007 124.31	5	0	220
1	2223-010 118.40	2233-010 144.66	5	0	220
1-1/4	2223-012 146.44	2233-012 189.30	2	0	220
1-1/2	2223-015 202.05	2233-015 219.63	3	0	220
2	2223-020 285.18	2233-020 291.95	2	0	220
2-1/2	2223-025 590.78	2233-025 687.99	1	0	220
3	2223-030 826.39	2233-030 960.96	1	0	220
4	2223-040 1118.61	2233-040 1298.39	1	0	220

Flanged Venturied Ends

6 VENTURIED	2223-060 1399.93	2233-060 1561.95	1	0	221
-------------	---------------------	---------------------	---	---	-----

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1/2	2229-005C 86.59	2239-005C 96.40	1	18	222
3/4	2229-007C 103.65	2239-007C 115.18	1	12	222
1	2229-010C 122.30	2239-010C 135.87	1	8	222

CPVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Socket & Threaded Ends

1-1/4	2229-012C 210.61	2239-012C 233.81	1	8	222
1-1/2	2229-015C 254.68	2239-015C 269.20	1	8	222
2	2229-020C 282.03	2239-020C 313.45	1	4	222

Socket Ends

2-1/2	2222-025C 589.49	2232-025C 654.97	1	0	222
3	2222-030C 960.18	2232-030C 1050.76	1	0	222
4	2222-040C 1293.59	2232-040C 1438.23	1	0	222

Socket Venturied Ends

6 VENTURIED	2222-060C 1668.73	2232-060C 1869.67	1	0	223
-------------	----------------------	----------------------	---	---	-----

Threaded Ends

2-1/2	2221-025C 589.49	2231-025C 654.97	1	0	222
3	2221-030C 960.18	2231-030C 1050.76	1	0	222
4	2221-040C 1293.59	2231-040C 1438.23	1	0	222

Flanged Ends

1/2	2223-005C 107.52	2233-005C 134.35	6	0	222
3/4	2223-007C 128.27	2233-007C 162.39	5	0	222
1	2223-010C 153.16	2233-010C 188.82	5	0	222
1-1/4	2223-012C 258.35	2233-012C 320.33	2	0	222
1-1/2	2223-015C 276.00	2233-015C 344.88	3	0	222
2	2223-020C 488.01	2233-020C 523.21	2	0	222
2-1/2	2223-025C 776.52	2233-025C 884.18	1	0	222
3	2223-030C 987.29	2233-030C 1083.11	1	0	222
4	2223-040C 1633.40	2233-040C 1753.98	1	0	222

Flanged Venturied Ends

6 VENTURIED	2223-060C 1969.11	2233-060C 2131.44	1	0	223
-------------	----------------------	----------------------	---	---	-----

Thermoplastic Valves Foot Valve Screens & Y-Check Valves



Foot Valve Screens

Convert to Foot Valve using adapter - Fits all Socket Ball Check Valves or any IPS fitting socket



PVC / CPVC Foot Valve Screen

Foot Valve Screens - Spigot

Size	PVC	CPVC	Std Pk	Mstr Pk	Disc Code
1/2	FVS-005 43.23	FVS-005C 59.71	10	60	299
3/4	FVS-007 51.34	FVS-007C 64.41	10	60	299
1	FVS-010 62.44	FVS-010C 73.12	10	40	299
1-1/4	FVS-012 90.89	FVS-012C 112.93	5	30	299
1-1/2	FVS-015 95.74	FVS-015C 117.26	5	0	299
2	FVS-020 108.05	FVS-020C 129.45	5	0	299

Foot Valve Screens - Spigot (continued)

Size	PVC	CPVC	Std Pk	Mstr Pk	Disc Code
2-1/2	FVS-025 148.63	FVS-025C 188.60	5	0	299
3	FVS-030 152.88	FVS-030C 210.03	5	0	299
4	FVS-040 180.89	FVS-040C 300.18	5	0	299
6	FVS-060 244.96	FVS-060C 428.95	5	0	299

Y-Check Valves



PVC Clear — Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply



True Union Style

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1622-005 84.18	1632-005 93.36	1	18	627
3/4	1622-007 90.30	1632-007 101.02	1	18	627
1	1622-010 99.48	1632-010 110.18	1	12	627
1-1/4	1622-012 156.10	1632-012 172.95	1	8	627
1-1/2	1622-015 169.87	1632-015 188.24	1	8	627
2	1622-020 211.20	1632-020 234.17	1	4	627
3	1622-030 417.81	1632-030 463.71	1	0	627
4	1622-040 728.49	1632-040 809.61	1	0	627

PVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1621-005SR 87.24	1631-005SR 96.43	1	18	627
3/4	1621-007SR 94.88	1631-007SR 105.60	1	12	627
1	1621-010SR 105.60	1631-010SR 116.31	1	8	627

PVC - SR Threaded Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/4	1621-012SR 165.28	1631-012SR 182.12	1	8	627
1-1/2	1621-015SR 183.65	1631-015SR 202.02	1	4	627
2	1621-020SR 226.50	1631-020SR 249.46	1	0	627
3	1621-030SR 459.14	1631-030SR 505.04	1	0	627
4	1621-040SR 771.34	1631-040SR 852.44	1	0	627

PVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1623-005 110.18	1633-005 122.45	1	8	627
3/4	1623-007 120.90	1633-007 134.68	1	4	627
1	1623-010 141.53	1633-010 162.22	1	8	627
1-1/4	1623-012 224.97	1633-012 249.46	1	4	627
1-1/2	1623-015 238.76	1633-015 264.76	1	4	627
2	1623-020 319.86	1633-020 355.04	1	0	627

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
 Progressive Products from Spears® Innovation and Technology

Page 389



Thermoplastic Valves Y-Check Valves

PVC - Flanged Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3	1623-030 625.94	1633-030 694.81	1	0	627
4	1623-040 999.36	1633-040 1109.56	1	0	627

PVC Clear - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1622-005CL 84.18	1632-005CL 93.36	1	18	628
3/4	1622-007CL 90.30	1632-007CL 101.02	1	18	628
1	1622-010CL 99.48	1632-010CL 110.18	1	12	628
1-1/4	1622-012CL 156.10	1632-012CL 172.95	1	8	628
1-1/2	1622-015CL 169.87	1632-015CL 188.24	1	8	628
2	1622-020CL 211.20	1632-020CL 234.17	1	4	628
3	1622-030CL 417.81	1632-030CL 463.71	1	0	628
4	1622-040CL 728.49	1632-040CL 809.61	1	0	628

PVC Clear - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1621-005CLSR 87.24	1631-005CLSR 96.43	1	18	628
3/4	1621-007CLSR 94.88	1631-007CLSR 105.60	1	12	628
1	1621-010CLSR 105.60	1631-010CLSR 116.31	1	8	628
1-1/4	1621-012CLSR 165.28	1631-012CLSR 182.12	1	8	628
1-1/2	1621-015CLSR 183.65	1631-015CLSR 202.02	1	4	628
2	1621-020CLSR 226.50	1631-020CLSR 249.46	1	0	628
3	1621-030CLSR 459.14	1631-030CLSR 505.04	1	0	628
4	1621-040CLSR 771.34	1631-040CLSR 852.44	1	0	628

PVC Clear - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1623-005CL 110.18	1633-005CL 122.45	1	8	628
3/4	1623-007CL 120.90	1633-007CL 134.68	1	8	628
1	1623-010CL 145.39	1633-010CL 162.22	1	8	628
1-1/4	1623-012CL 224.97	1633-012CL 249.46	1	4	628
1-1/2	1623-015CL 238.76	1633-015CL 264.76	1	4	628
2	1623-020CL 319.86	1633-020CL 355.04	1	0	628
3	1623-030CL 625.94	1633-030CL 694.81	1	0	628
4	1623-040CL 999.36	1633-040CL 1109.56	1	0	628

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1622-005C 120.90	1632-005C 133.14	1	18	629
3/4	1622-007C 130.09	1632-007C 143.86	1	18	629
1	1622-010C 142.33	1632-010C 157.63	1	12	629
1-1/4	1622-012C 223.44	1632-012C 247.93	1	8	629

CPVC - Socket Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	1622-015C 243.34	1632-015C 269.35	1	8	629
2	1622-020C 301.49	1632-020C 335.15	1	4	629
3	1622-030C 862.84	1632-030C 965.46	1	0	629
4	1622-040C 1040.67	1632-040C 1156.99	1	0	629

CPVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1621-005CSR 123.96	1631-005CSR 137.73	1	18	629
3/4	1621-007CSR 134.68	1631-007CSR 149.99	1	12	629
1	1621-010CSR 149.99	1631-010CSR 165.28	1	8	629
1-1/4	1621-012CSR 235.69	1631-012CSR 258.64	1	8	629
1-1/2	1621-015CSR 263.23	1631-015CSR 289.26	1	4	629
2	1621-020CSR 322.91	1631-020CSR 356.60	1	0	629
3	1621-030CSR 656.55	1631-030CSR 722.36	1	0	629
4	1621-040CSR 1100.37	1631-040CSR 1216.69	1	0	629

CPVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1623-005C 157.63	1633-005C 162.26	1	8	629
3/4	1623-007C 172.95	1633-007C 192.83	1	8	629
1	1623-010C 208.15	1633-010C 231.71	1	8	629
1-1/4	1623-012C 321.39	1633-012C 356.60	1	4	629
1-1/2	1623-015C 339.74	1633-015C 378.01	1	4	629
2	1623-020C 456.06	1633-020C 506.56	1	0	629
3	1623-030C 893.77	1633-030C 993.24	1	0	629
4	1623-040C 1426.35	1633-040C 1585.52	1	0	629

PVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162A-005 91.83	163A-005 101.02	1	12	627
3/4	162A-007 97.94	163A-007 110.18	1	8	627
1	162A-010 108.66	163A-010 119.36	1	8	627
1-1/4	162A-012 169.87	163A-012 188.24	1	4	627
1-1/2	162A-015 185.18	163A-015 205.09	1	0	627
2	162A-020 229.56	163A-020 254.04	2	0	627
3	162A-030 454.53	163A-030 495.86	1	0	627
4	162A-040 792.77	163A-040 880.00	1	0	627

PVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005 91.83	163B-005 101.02	1	12	627
3/4	162B-007 97.94	163B-007 110.18	1	8	627

Thermoplastic Valves Y-Check Valves



PVC - True Union Threaded Ends (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1	162B-010 108.66	163B-010 119.36	1	8	627
1-1/4	162B-012 168.36	163B-012 188.24	1	4	627
1-1/2	162B-015 185.18	163B-015 205.09	1	0	627
2	162B-020 229.56	163B-020 254.04	2	0	627
3	162B-030 454.53	163B-030 495.86	1	0	627
4	162B-040 792.77	163B-040 880.00	1	0	627

PVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005SR 94.88	163B-005SR 104.07	1	12	627
3/4	162B-007SR 102.53	163B-007SR 113.26	1	8	627
1	162B-010SR 113.26	163B-010SR 125.50	1	8	627
1-1/4	162B-012SR 179.06	163B-012SR 197.41	1	4	627
1-1/2	162B-015SR 200.48	163B-015SR 220.38	1	0	627
2	162B-020SR 246.40	163B-020SR 272.40	1	0	627
3	162B-030SR 498.91	163B-030SR 549.43	1	0	627
4	162B-040SR 837.14	163B-040SR 925.90	1	0	627

PVC Clear - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162A-005CL 91.83	163A-005CL 101.02	1	12	628
3/4	162A-007CL 97.94	163A-007CL 110.18	1	8	628
1	162A-010CL 108.66	163A-010CL 119.36	1	8	628
1-1/4	162A-012CL 169.87	163A-012CL 188.24	1	4	628
1-1/2	162A-015CL 185.18	163A-015CL 205.09	1	0	628
2	162A-020CL 229.56	163A-020CL 254.04	2	0	628
3	162A-030CL 454.53	163A-030CL 495.86	1	0	628
4	162A-040CL 792.77	163A-040CL 880.00	1	0	628

PVC Clear - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005CL 91.83	163B-005CL 101.02	1	12	628
3/4	162B-007CL 97.94	163B-007CL 110.18	1	8	628
1	162B-010CL 108.66	163B-010CL 119.36	1	8	628
1-1/4	162B-012CL 169.87	163B-012CL 188.24	1	4	628
1-1/2	162B-015CL 185.18	163B-015CL 205.09	1	0	628
2	162B-020CL 229.56	163B-020CL 254.04	2	0	628
3	162B-030CL 454.53	163B-030CL 495.86	1	0	628
4	162B-040CL 792.77	163B-040CL 880.00	1	0	628

PVC Clear - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005CLSR 94.88	163B-005CLSR 104.07	1	12	628
3/4	162B-007CLSR 102.53	163B-007CLSR 113.26	1	8	628
1	162B-010CLSR 113.26	163B-010CLSR 125.50	1	8	628
1-1/4	162B-012CLSR 179.06	163B-012CLSR 197.41	1	4	628
1-1/2	162B-015CLSR 200.48	163B-015CLSR 220.38	1	0	628
2	162B-020CLSR 246.40	163B-020CLSR 272.40	1	0	628
3	162B-030CLSR 498.91	163B-030CLSR 549.43	1	0	628
4	162B-040CLSR 837.14	163B-040CLSR 925.90	1	0	628

CPVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162A-005C 131.62	163A-005C 145.39	1	12	629
3/4	162A-007C 140.80	163A-007C 157.63	1	8	629
1	162A-010C 154.57	163A-010C 171.41	1	8	629
1-1/4	162A-012C 241.81	163A-012C 269.35	1	4	629
1-1/2	162A-015C 263.23	163A-015C 292.32	1	0	629
2	162A-020C 327.51	163A-020C 364.23	2	0	629
3	162A-030C 648.90	163A-030C 708.57	1	0	629
4	162A-040C 1130.98	163A-040C 1256.48	1	0	629

CPVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005C 131.62	163B-005C 145.39	1	12	629
3/4	162B-007C 140.80	163B-007C 157.63	1	8	629
1	162B-010C 154.57	163B-010C 171.41	1	8	629
1-1/4	162B-012C 241.81	163B-012C 269.35	1	4	629
1-1/2	162B-015C 263.23	163B-015C 292.32	1	0	629
2	162B-020C 327.51	163B-020C 364.23	2	0	629
3	162B-030C 648.90	163B-030C 708.57	1	0	629
4	162B-040C 1130.98	163B-040C 1256.48	1	0	629

CPVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	162B-005CSR 134.68	163B-005CSR 148.45	1	12	629
3/4	162B-007CSR 146.93	163B-007CSR 162.22	1	8	629
1	162B-010CSR 162.22	163B-010CSR 179.06	1	8	629
1-1/4	162B-012CSR 255.57	163B-012CSR 281.60	1	4	629
1-1/2	162B-015CSR 286.19	163B-015CSR 313.72	1	0	629
2	162B-020CSR 351.99	163B-020CSR 387.19	1	0	629
3	162B-030CSR 713.18	163B-030CSR 783.59	1	0	629
4	162B-040CSR 1196.80	163B-040CSR 1322.30	1	0	629



Thermoplastic Valves Y-Check Valve Repair Kits

All Kits include:
 1-Seat
 1-Bonnet O-ring
 1-Plug O-ring

All Union Kits include:
 1-Seat
 1-Bonnet O-ring
 1-Plug O-ring
 2-End Connector O-rings

Y-Check Valve - Seat & O-ring Repair Kits

Size	Standard EPDM O-ring	Standard Viton® O-ring	True Union EPDM O-ring	True Union Viton® O-ring	Std Pk	Mstr Pk	Disc Code
1/2	YC-ERK-005 3.32	YC-VRK-005 9.80	YC-UERK-005 3.88	YC-UVRK-005 11.76	1	10	299
3/4	YC-ERK-007 3.80	YC-VRK-007 10.57	YC-UERK-007 4.49	YC-UVRK-007 13.15	1	10	299
1	YC-ERK-010 3.88	YC-VRK-010 14.35	YC-UERK-010 4.72	YC-UVRK-010 19.03	1	10	299
1-1/4	YC-ERK-012 4.06	YC-VRK-012 26.70	YC-UERK-012 5.89	YC-UVRK-012 33.39	1	10	299
1-1/2	YC-ERK-015 7.05	YC-VRK-015 29.16	YC-UERK-015 9.89	YC-UVRK-015 41.51	1	10	299
2	YC-ERK-020 9.48	YC-VRK-020 34.90	YC-UERK-020 13.09	YC-UVRK-020 50.34	1	10	299
3	YC-ERK-030 16.36	YC-VRK-030 91.55	YC-UERK-030 28.43	YC-UVRK-030 116.16	1	10	299
4	YC-ERK-040 21.18	YC-VRK-040 131.80	YC-UERK-040 31.50	YC-UVRK-040 162.61	1	10	299

Thermoplastic Valves Butterfly Check Valves



Pressure Rating @ 73°F (23°C), Water

2" - 8"	150 psi
10" - 16"	100 psi
18" - 24"	50 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

General Installation Information: Butterfly Check Valve seating may be affected by normal system turbulence. Flow velocities should be limited to approximately 5 feet per second. Valves should be installed at least 5 pipe diameters away from any fitting, pump or other source of turbulence. If used as a foot valve, do not place near bottom of a tank. Butterfly type check valves should not be used in continuous cycling applications, such as with reciprocating pumps. This can result in premature failure of sealing membrane. In horizontal installations, always orient the Hinge Post Bolts visible on the external body in a vertical (top and bottom) position, perpendicular to flow. In vertical installations downstream from an elbow, flow velocities can be higher on the outer radius of the elbow. To avoid uneven butterfly plate loading, the Hinge Post Bolts should align with crotch and outer radius of elbow and NOT from side to side of the elbow.

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Wafer					
2	5420-020 385.09	5430-020 424.33	1	18	289
2-1/2	5420-025 530.69	5430-025 584.85	1	0	289
3	5420-030 678.83	5430-030 748.05	1	8	289
4	5420-040 923.19	5430-040 1017.36	1	4	289
6	5420-060 1399.61	5430-060 1542.36	1	0	289
8	5420-080 2374.63	5430-080 2616.83	1	0	289
10	5420-100 4366.31	5430-100 4846.59	1	0	289
12	5420-120 6156.44	5430-120 6833.66	1	0	289
14	5420-140 8793.94	---	1	0	289
16	5420-160 12212.80	---	1	0	289
18	5420-180 15264.85	---	1	0	289
20	5420-200 19081.05	---	1	0	289
24	5420-240 27256.74	---	1	0	289

Flanged Ends

2	5423-020 491.20	5433-020 528.24	1	8	289
2-1/2	5423-025 639.32	5433-025 696.11	1	0	289
3	5423-030 918.27	5433-030 1009.59	1	0	289
4	5423-040 1192.26	5433-040 1330.47	1	0	289
6	5423-060 1932.78	5433-060 2211.72	1	0	289
8	5423-080 2769.57	5433-080 3268.20	1	0	289
10	5423-100 5099.79	5433-100 5815.62	1	0	289
12	5423-120 7225.10	5433-120 7685.85	1	0	289
14	5423-140 10187.39	5433-140 10836.99	4	0	289

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends					
16	5423-160 14338.77	5433-160 15481.40	1	0	289
18	5423-180 18319.43	5433-180 19595.64	1	0	289
20	5423-200 24077.89	5433-200 25783.73	1	0	289
24	5423-240 31537.47	5433-240 33924.26	1	0	289

Spigot (Plain End)

2	5427-020 209.82	5437-020 246.84	1	12	289
2-1/2	5427-025 288.81	5437-025 345.60	1	12	289
3	5427-030 387.54	5437-030 478.87	1	8	289
4	5427-040 508.50	5437-040 646.74	1	4	289
6	5427-060 1081.16	5437-060 1360.10	1	0	289
8	5427-080 1611.90	5437-080 2110.49	1	0	289
10	5427-100 3942.07	5437-100 4657.91	1	0	289
12	5427-120 5339.21	5437-120 6259.09	1	0	289
14	5427-140 7125.66	5437-140 8187.78	1	0	289
16	5427-160 10720.62	5437-160 12569.19	1	0	289
18	5427-180 13400.78	5437-180 15710.07	1	0	289
20	5427-200 16750.52	5437-200 19636.33	1	0	289
24	5427-240 23929.28	5437-240 28050.93	1	0	289

Threaded Ends

2	5421A-020 204.89	5431A-020 241.91	1	4	289
2-1/2	5421A-025 278.94	5431A-025 335.69	1	8	289
3	5421A-030 380.15	5431A-030 471.46	1	8	289
4	5421A-040 498.63	5431A-040 636.85	1	4	289



Thermoplastic Valves Butterfly Check Valves

PVC (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Threaded Ends					
6	5421A-060 1061.43	5431A-060 1340.35	1	0	289
8	5421A-080 1594.63	5431A-080 2093.22	1	0	289
10	5421A-100 3934.01	5431A-100 4651.01	1	0	289
12	5421A-120 5332.63	5431A-120 6252.52	1	0	289

Grooved Ends

2	542G-020 232.03	543G-020 269.05	1	12	289
2-1/2	542G-025 303.62	543G-025 360.38	1	8	289
3	542G-030 399.88	543G-030 491.20	1	8	289
4	542G-040 538.13	543G-040 676.35	1	4	289
6	542G-060 1125.60	543G-060 1404.55	1	0	289
8	542G-080 1661.24	543G-080 2159.88	1	0	289
10	542G-100 4021.06	543G-100 4736.90	1	0	289
12	542G-120 5445.34	543G-120 6366.09	1	0	289

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Wafer

2	5420-020C 596.86	5430-020C 662.52	1	18	290
2-1/2	5420-025C 822.59	5430-025C 871.77	1	0	290
3	5420-030C 1052.17	5430-030C 1167.91	1	0	290
4	5420-040C 1430.98	5430-040C 1588.37	1	0	290
6	5420-060C 2169.38	5430-060C 2408.02	1	0	290
8	5420-080C 3680.67	5430-080C 4085.54	1	0	290
10	5420-100C 7915.72	5430-100C 8707.30	1	0	290
12	5420-120C 13940.65	5430-120C 15334.72	1	0	290

Flanged Ends

2	5423-020C 760.27	5433-020C 797.30	1	8	290
2-1/2	5423-025C 1216.93	5433-025C 1273.70	1	0	290
3	5423-030C 1300.85	5433-030C 1392.19	1	0	290
4	5423-040C 1523.01	5433-040C 1661.24	1	0	290
6	5423-060C 2685.64	5433-060C 2964.59	1	0	290
8	5423-080C 4302.47	5433-080C 4801.11	1	0	290
10	5423-100C 8131.01	5433-100C 8846.85	1	0	290
12	5423-120C 14645.18	5433-120C 15565.94	1	0	290
14	5423-140C 20921.33	5433-140C 22236.76	1	0	290
16	5423-160C 29055.80	5433-160C 30884.37	1	0	290
18	5423-180C 36319.73	5433-180C 38605.48	1	0	290
20	5423-200C 51885.14	5433-200C 55149.57	1	0	290
24	5423-240C 64854.98	5433-240C 68936.72	1	0	289

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Spigot (Plain End)

2	5427-020C 399.88	5437-020C 436.91	1	12	290
2-1/2	5427-025C 540.60	5437-025C 597.35	1	12	290
3	5427-030C 550.47	5437-030C 640.97	1	8	290
4	5427-040C 691.15	5437-040C 829.40	1	4	290
6	5427-060C 1478.60	5437-060C 1757.54	1	0	290
8	5427-080C 2219.12	5437-080C 2717.74	1	0	290
10	5427-100C 5546.55	5437-100C 6262.43	1	0	290
12	5427-120C 9101.10	5437-120C 10021.00	1	0	290
14	5427-140C 9519.26	5437-140C 19882.22	1	0	290
16	5427-160C 12588.10	5437-160C 13067.26	1	0	290
18	5427-180C 19142.33	5437-180C 21970.47	1	0	290
20	5427-200C 23928.86	5437-200C 27460.38	1	0	290
24	5427-240C 24784.56	5437-240C 68936.72	1	0	290

Threaded Ends

2	5421A-020C 397.44	5431A-020C 459.14	1	12	290
2-1/2	5421A-025C 538.45	5431A-025C 595.72	1	8	290
3	5421A-030C 547.17	5431A-030C 638.49	1	8	290
4	5421A-040C 687.87	5431A-040C 826.10	1	4	290
6	5421A-060C 1467.06	5431A-060C 1745.17	1	0	290
8	5421A-080C 2208.90	5431A-080C 2707.54	1	0	290
10	5421A-100C 5537.82	5431A-100C 6253.69	1	0	290
12	5421A-120C 9086.60	5431A-120C 10007.34	1	0	290

Grooved Ends

2	542G-020C 422.12	543G-020C 488.95	1	12	290
2-1/2	542G-025C 560.33	543G-025C 617.12	1	8	290
3	542G-030C 569.36	543G-030C 660.71	1	8	290
4	542G-040C 730.65	543G-040C 869.53	1	4	290
6	542G-060C 1530.43	543G-060C 1809.37	1	0	290
8	542G-080C 2268.66	543G-080C 2767.28	1	0	290
10	542G-100C 5630.49	543G-100C 6346.32	1	0	290
12	542G-120C 9384.97	543G-120C 10305.68	1	0	290

Thermoplastic Valves Butterfly Check Valve Repair Kits & Industrial Swing Check Valves



Butterfly Check Valve Repair Kits

PVC & CPVC Butterfly Check Valve Repair Kit is an internal assembly including:

- 1-Flex Seal Gasket Seat
- 1-Hinge Post
- 2-Flapper Plates
- 2-Flapper Covers
- 1-Post Strip
- 2-Seat Post O-rings
- Plastic Assembly Screws
- Use Existing Hinge Post Bolts

PVC Butterfly Check Valve Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	BFC-ERK-020 148.17	BFC-VRK-020 175.06	1	10	299
2-1/2	BFC-ERK-025 201.78	BFC-VRK-025 242.90	1	0	299
3	BFC-ERK-030 274.85	BFC-VRK-030 340.63	1	10	299
4	BFC-ERK-040 360.71	BFC-VRK-040 460.51	1	10	299
6	BFC-ERK-060 767.78	BFC-VRK-060 969.57	1	10	299
8	BFC-ERK-080 1153.67	BFC-VRK-080 1514.05	1	10	299
10	BFC-ERK-100 2845.64	BFC-VRK-100 3364.20	1	0	299
12	BFC-ERK-120 3857.29	BFC-VRK-120 4522.60	1	0	299

CPVC Butterfly Check Valve Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	BFC-ERK-020C 287.49	BFC-VRK-020C 314.23	1	10	299
2-1/2	BFC-ERK-025C 389.52	BFC-VRK-025C 430.96	1	10	299
3	BFC-ERK-030C 396.00	BFC-VRK-030C 461.78	1	10	299
4	BFC-ERK-040C 497.52	BFC-VRK-040C 597.63	1	10	299
6	BFC-ERK-060C 1061.15	BFC-VRK-060C 1262.30	1	10	299
8	BFC-ERK-080C 1597.71	BFC-VRK-080C 1958.46	1	10	299
10	BFC-ERK-100C 4005.64	BFC-VRK-100C 4523.55	1	0	299
12	BFC-ERK-120C 6572.78	BFC-VRK-120C 7238.72	1	0	299

Industrial Swing Check Valves



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4"

Pressure Rating @ 73°F (23°C), Water
 3/4" - 4" 150 psi
 6" 100 psi
 8" 70 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 PP = 180°F (82°C)
 Temperature/Pressure De-ratings Apply
 All Valves Assembled with Silicone-Free Lubricants



Bolted Bonnet on Sizes 1-1/2" & Up
 (Valve Shown with Arrow Indicator Option)

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec.

Industrial Swing Check Valves

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PVC					
3/4	4423-007 465.38	4433-007 492.26	1	12	108
1	4423-010 536.30	4433-010 584.47	1	4	108
1-1/4	4423-012 670.85	4433-012 709.80	1	0	108
1-1/2	4423-015 735.43	4433-015 821.63	1	0	108
2	4423-020 846.67	4433-020 940.77	1	0	108
2-1/2	4423-025 1416.97	4433-025 1671.60	1	0	110
3	4423-030 1584.68	4433-030 2076.63	1	0	110
4	4423-040 2019.80	4433-040 2371.43	1	0	110
6	4423-060 3838.62	4433-060 4505.53	1	0	110
8	4423-080 7355.03	4433-080 8597.06	1	0	110

CPVC

3/4	4423-007C 735.31	4433-007C 817.12	1	12	109
1	4423-010C 847.90	4433-010C 942.81	1	4	109

Industrial Swing Check Valves (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
CPVC					
1-1/4	4423-012C 1060.66	4433-012C 1177.96	1	0	109
1-1/2	4423-015C 1094.29	4433-015C 1487.23	1	0	109
2	4423-020C 1411.12	4433-020C 1567.90	1	0	109
2-1/2	4423-025C 2338.50	4433-025C 2775.04	1	0	111
3	4423-030C 2921.12	4433-030C 3143.09	1	0	111
4	4423-040C 3351.87	4433-040C 3952.95	1	0	111
6	4423-060C 6859.63	4433-060C 7512.69	1	0	111
8	4423-080C 12239.94	4433-080C 14313.41	1	0	111

PP

3/4	4423-007P 535.13	4433-007P 594.57	1	12	113
1	4423-010P 640.18	4433-010P 697.72	1	4	113
1-1/4	4423-012P 767.27	4433-012P 852.44	1	0	113
1-1/2	4423-015P 952.63	4433-015P 1036.60	1	0	113

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
 Progressive Products from Spears® Innovation and Technology

Page 395



Thermoplastic Valves Industrial Swing Check Valves

Industrial Swing Check Valves (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PP					
2	4423-020P 1018.54	4433-020P 1144.43	1	0	113
2-1/2	4423-025P 1695.87	4433-025P 1886.40	1	0	112
3	4423-030P 1782.89	4433-030P 2131.95	1	0	112
4	4423-040P 2425.12	4433-040P 2691.87	1	0	112
6	4423-060P 4593.89	4433-060P 5108.35	1	0	112
8	4423-080P 8793.37	4433-080P 9663.09	1	0	112

Swing Check Valve With Arrow Indicator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PVC					
3/4	4423I-007 473.02	4433I-007 499.93	1	12	108
1	4423I-010 543.94	4433I-010 608.97	1	4	108
1-1/4	4423I-012 694.66	4433I-012 763.36	1	0	108
1-1/2	4423I-015 805.62	4433I-015 763.36	1	0	108
2	4423I-020 872.28	4433I-020 952.15	1	0	108
2-1/2	4423I-025 1425.05	4433I-025 1585.33	1	0	110
3	4423I-030 1659.60	4433I-030 1585.33	1	0	110
4	4423I-040 2028.00	4433I-040 2410.12	1	0	110
6	4423I-060 3846.64	4433I-060 4542.63	1	0	110
8	4423I-080 7471.94	4433I-080 8640.99	1	0	110

CPVC

3/4	4423I-007C 743.43	4433I-007C 824.74	1	12	109
1	4423I-010C 855.56	4433I-010C 951.99	1	4	109
1-1/4	4423I-012C 1055.53	4433I-012C 1188.68	1	0	109
1-1/2	4423I-015C 1214.04	4433I-015C 1188.68	1	0	109
2	4423I-020C 1422.15	4433I-020C 1608.88	1	0	109
2-1/2	4423I-025C 2346.45	4433I-025C 2814.29	1	0	111
3	4423I-030C 2518.23	4433I-030C 2814.29	1	0	111
4	4423I-040C 3374.18	4433I-040C 3976.31	1	0	111
6	4423I-060C 6961.49	4433I-060C 7520.82	1	0	111
8	4423I-080C 12253.09	4433I-080C 14358.67	1	0	111

PP

3/4	4423I-007P 542.77	4433I-007P 602.22	1	12	113
1	4423I-010P 650.88	4433I-010P 751.28	1	4	113
1-1/4	4423I-012P 836.13	4433I-012P 928.14	1	0	113
1-1/2	4423I-015P 1074.85	4433I-015P 928.14	1	0	113
2	4423I-020P 1046.65	4433I-020P 1186.88	1	0	113
2-1/2	4423I-025P 1705.73	4433I-025P 1911.57	1	0	112
3	4423I-030P 2125.84	4433I-030P 2218.84	1	0	112

Swing Check Valve With Arrow Indicator (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PP					
4	4423I-040P 2434.99	4433I-040P 2701.78	1	0	112
6	4423I-060P 4693.04	4433I-060P 5151.40	1	0	112
8	4423I-080P 8858.86	4433I-080P 9760.76	1	0	112

Contact Spears® for Pricing on Additional Specialty Valve Accessories

Available:

- Arrow Indicator Kits for Field Installation

- Counter Balance Kits for Field Installation

Swing Check Valve With Counter Balance

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PVC					
3/4	4423CB-007 736.12	4433CB-007 787.82	1	8	108
1	4423CB-010 823.45	4433CB-010 882.04	1	4	108
1-1/4	4423CB-012 994.64	4433CB-012 1033.95	1	0	108
1-1/2	4423CB-015 1067.16	4433CB-015 1246.38	1	0	108
2	4423CB-020 1177.41	4433CB-020 1425.16	1	0	108
2-1/2	4423CB-025 1771.73	4433CB-025 2025.76	1	0	110
3	4423CB-030 1995.27	4433CB-030 2302.13	1	0	110
4	4423CB-040 2390.77	4433CB-040 2742.37	1	0	110
6	4423CB-060 4262.72	4433CB-060 4262.72	1	0	110
8	4423CB-080 8546.49	4433CB-080 9013.04	1	0	110

CPVC

3/4	4423CB-007C 1141.26	4433CB-007C 1244.12	1	12	109
1	4423CB-010C 1238.30	4433CB-010C 1345.86	1	4	109
1-1/4	4423CB-012C 1055.53	4433CB-012C 1449.86	1	0	109
1-1/2	4423CB-015C 1449.86	4433CB-015C 1676.63	1	0	109
2	4423CB-020C 1884.47	4433CB-020C 2041.28	1	0	109
2-1/2	4423CB-025C 2844.47	4433CB-025C 3281.09	1	0	111
3	4423CB-030C 3079.35	4433CB-030C 4079.57	1	0	111
4	4423CB-040C 3810.22	4433CB-040C 4482.88	1	0	111
6	4423CB-060C 7465.49	4433CB-060C 8118.51	1	0	111
8	4423CB-080C 12856.35	4433CB-080C 14929.69	1	0	111

PP

3/4	4423CB-007P 684.96	4433CB-007P 761.05	1	12	113
1	4423CB-010P 819.40	4433CB-010P 893.06	1	4	113
1-1/4	4423CB-012P 836.13	4433CB-012P 1286.64	1	0	113
1-1/2	4423CB-015P 1181.87	4433CB-015P 1586.97	1	0	113
2	4423CB-020P 1273.18	4433CB-020P 1430.53	1	0	113
2-1/2	4423CB-025P 1965.59	4433CB-025P 2414.59	1	0	112
3	4423CB-030P 2391.55	4433CB-030P 2992.20	1	0	112
4	4423CB-040P 2738.68	4433CB-040P 3008.65	1	0	112

Thermoplastic Valves
Industrial Swing Check Valves & Industrial Swing Check Valve Accessory and Repair Kits



Industrial Swing Check Valves

Swing Check Valve With Counter Balance (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
PP					
6	4423CB-060P 5095.38	4433CB-060P 6538.68	1	0	112
8	4423CB-080P 9302.09	4433CB-080P 10171.82	1	0	112

Industrial Swing Check Valve Accessory and Repair Kits

Repair Kits include:

1-Bonnet O-ring

1-Disc O-ring

1-Seat O-ring

1-Plug O-ring

1-Arm Plug O-ring

Industrial Swing Check Valve Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3/4	SK-ERK-007 24.98	SK-VRK-007 30.45	1	10	299
1	SK-ERK-010 32.62	SK-VRK-010 39.79	1	10	299
1-1/2 & 1-1/4	SK-ERK-015 78.00	SK-VRK-015 98.65	1	10	299
2	SK-ERK-020 83.74	SK-VRK-020 102.11	1	10	299
2-1/2	SK-ERK-025 88.56	SK-VRK-025 113.34	1	10	299
3	SK-ERK-030 100.41	SK-VRK-030 122.52	1	10	299
4	SK-ERK-040 109.55	SK-VRK-040 133.59	1	10	299
6	SK-ERK-060 217.74	SK-VRK-060 257.04	1	10	299
8	SK-ERK-080 273.97	SK-VRK-080 332.38	1	10	299



Thermoplastic Valves Utility Swing Check Valves & True Union Utility Swing Check Valves

Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply
EPDM Seat

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft/sec. Minimum opening pressure less than 0.5 psi.

PVC White Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Disc Code
1/2	S1520-05 15.85	S1520-05F 15.85	S1520-05FSR 18.49	35	0	026
3/4	S1520-07 16.36	S1520-07F 16.36	S1520-07FSR 20.12	35	0	026
1	S1520-10 17.04	S1520-10F 17.04	S1520-10FSR 22.28	20	0	026
1-1/4	S1520-12 17.70	S1520-12F 17.70	S1520-12FSR 26.11	12	0	026
1-1/2	S1520-15 18.76	S1520-15F 18.76	S1520-15FSR 33.12	12	0	026
2	S1520-20 29.12	S1520-20F 29.12	S1520-20FSR 44.70	15	0	026
2-1/2	S1520-25 48.44	S1520-25F 48.44	S1520-25FSR 64.02	5	0	026
3	S1520-30 53.83	S1520-30F 53.83	S1520-30FSR 95.47	4	0	026
4	S1520-40 76.21	S1520-40F 76.21	S1520-40FSR 119.36	2	0	026
6	S1520-60 160.13	S1520-60F 160.13	S1520-60FSR 211.21	1	0	026
8	S1520-80 297.47	---	---	1	0	026

PVC Clear Swing Check

Size	Socket	Thread	SR Threaded	Std Pk	Mstr Pk	Disc Code
1/2	S1520C05 21.55	S1520C05F 21.55	S1520C05FSR 24.18	35	0	026
3/4	S1520C07 21.97	S1520C07F 21.97	S1520C07FSR 25.76	35	0	026
1	S1520C10 22.39	S1520C10F 22.39	S1520C10FSR 27.64	20	0	026
1-1/4	S1520C12 23.51	S1520C12F 23.51	S1520C12FSR 31.89	12	0	026
1-1/2	S1520C15 25.55	S1520C15F 25.55	S1520C15FSR 39.93	12	0	026
2	S1520C20 36.78	S1520C20F 36.78	S1520C20FSR 52.36	15	0	026
2-1/2	S1520C25 61.31	S1520C25F 61.31	S1520C25FSR 85.47	5	0	026
3	S1520C30 68.13	S1520C30F 68.13	S1520C30FSR 109.76	4	0	026
4	S1520C40 91.71	S1520C40F 91.71	S1520C40FSR 134.83	2	0	026
6	S1520C60 189.55	S1520C60F 189.55	S1520C60FSR 240.64	1	0	026
8	S1520C80 316.63	---	---	1	0	026

True Union Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply
EPDM Seat

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft/sec. Minimum opening pressure less than 0.5 psi.

PVC White True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1720-05 18.02	S1720-05F 18.02	S1720-05FSR 20.64	35	0	026

PVC White True Union Swing Check (continued)

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
3/4	S1720-07 18.57	S1720-07F 18.57	S1720-07FSR 22.36	30	0	026

Thermoplastic Valves
True Union Utility Swing Check Valves & Compression Utility Swing Check Valves



True Union Utility Swing Check Valves

PVC White True Union Swing Check (continued)

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
1	S1720-10 19.35	S1720-10F 19.35	S1720-10FSR 24.60	18	0	026
1-1/4	S1720-12 20.37	S1720-12F 20.37	S1720-12FSR 28.76	12	0	026
1-1/2	S1720-15 22.39	S1720-15F 22.39	S1720-15FSR 36.77	10	0	026
2	S1720-20 33.64	S1720-20F 33.64	S1720-20FSR 49.15	10	0	026
2-1/2	S1720-25 56.09	S1720-25F 56.09	S1720-25FSR 80.22	2	0	026
3	S1720-30 71.61	S1720-30F 71.61	S1720-30FSR 113.27	2	0	026
4	S1720-40 96.66	S1720-40F 96.66	S1720-40FSR 139.38	1	0	026

PVC Clear True Union Swing Check (continued)

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
3/4	S1720C07 23.73	S1720C07F 23.73	S1720C07FSR 27.51	30	0	026
1	S1720C10 25.93	S1720C10F 25.93	S1720C10FSR 31.16	18	0	026
1-1/4	S1720C12 27.31	S1720C12F 27.31	S1720C12FSR 35.69	12	0	026
1-1/2	S1720C15 29.29	S1720C15F 29.29	S1720C15FSR 43.66	10	0	026
2	S1720C20 41.20	S1720C20F 41.20	S1720C20FSR 56.79	10	0	026
2-1/2	S1720C25 67.66	S1720C25F 67.66	S1720C25FSR 91.81	2	0	026
3	S1720C30 77.87	S1720C30F 77.87	S1720C30FSR 119.51	2	0	026
4	S1720C40 103.83	S1720C40F 103.83	S1720C40FSR 146.91	1	0	026

PVC Clear True Union Swing Check

Size	Socket	Threaded	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1720C05 23.34	S1720C05F 23.34	S1720C05FSR 25.96	35	0	026

Compression Utility Swing Check Valves



Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 75 psi
 Maximum Service Temperature
 140°F (60°C)
 Temperature/Pressure De-ratings Apply

- Standard Swing Check Assembly Maintains a Positive Seal
- Convenient Compression Ends for Quick Connections
- Engineered for Maximum Flow, Quick Response & Positive Shutoff
- Excellent for Pool & Spa, OEM and General Purpose Applications
- Compact, Space-Saving Design
- Replaceable PVC White or Clear Sealed Unit
- High Grade EPDM Seat
- Suitable for Horizontal or Vertical Up-flow Installations
- Pressure Rated to 150 psi @ 73°F Full Flow (open), 75 psi Back Pressure (closed)
- Maximum Service Temperature 140°F (temperature/pressure de-ratings apply)

General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

PVC White Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S1500-05	1/2	20	0	026	21.06
S1500-07	3/4	35	0	026	22.16
S1500-10	1	20	0	026	23.09
S1500-12	1-1/4	12	0	026	27.12
S1500-15	1-1/2	12	0	026	30.26
S1500-20	2	10	0	026	47.73
S1500-25	2-1/2	5	0	026	79.71
S1500-30	3	4	0	026	103.48
S1500-40	4	2	0	026	158.97

PVC Clear Compression End Swing Check

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S1500C05	1/2	35	0	026	23.16
S1500C07	3/4	20	0	026	24.93
S1500C10	1	20	0	026	25.44
S1500C12	1-1/4	12	0	026	28.56
S1500C15	1-1/2	12	0	026	32.19
S1500C20	2	10	0	026	48.05
S1500C25	2-1/2	5	0	026	80.60
S1500C30	3	4	0	026	117.72
S1500C40	4	2	0	026	162.20

Compression Coupling Nut Wrenches

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-005	1/2	1	50	299	11.33
CCW-007	3/4	1	50	299	11.53
CCW-010	1	1	50	299	12.02
CCW-012	1-1/4	1	50	299	13.60
CCW-015	1-1/2	1	50	299	14.67
CCW-020*	2	1	50	299	16.39
CCW-030**	3	1	25	299	20.16

* CCW-20 - Wrench also fits 2-1/2" Coupling Body

**CCW-30 - Wrench also fits 4" Coupling Body

Compression Coupling Nut Wrench Sets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CCW-000	Set	1	50	299	94.70

Complete Set of Wrenches, Sizes 1/2" - 3"



Thermoplastic Valves Utility Spring Check Valves

(Spring Assisted Swing Check)



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)

Temperature/Pressure De-ratings Apply
EPDM Seat
Stainless Steel Spring Assisted (non-adjustable)

General Installation Information: Spring check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft/sec. Minimum opening pressure less than 0.5 psi.

PVC White Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1580-05 31.20	S1580-05F 31.20	S1580-05FSR 33.84	20	0	026
3/4	S1580-07 35.31	S1580-07F 35.31	S1580-07FSR 39.07	20	0	026
1	S1580-10 36.78	S1580-10F 36.78	S1580-10FSR 42.01	20	0	026
1-1/4	S1580-12 38.30	S1580-12F 38.30	S1580-12FSR 46.71	12	0	026
1-1/2	S1580-15 40.77	S1580-15F 40.77	S1580-15FSR 55.12	12	0	026
2	S1580-20 42.74	S1580-20F 42.74	S1580-20FSR 58.32	15	0	026
2-1/2	S1580-25 75.86	S1580-25F 75.86	S1580-25FSR 100.02	4	0	026
3	S1580-30 79.12	S1580-30F 79.12	S1580-30FSR 120.76	4	0	026
4	S1580-40 112.28	S1580-40F 112.28	S1580-40FSR 155.43	2	0	026

PVC Clear Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1580C05 32.15	S1580C05F 32.15	S1580C05FSR 34.82	20	0	026
3/4	S1580C07 36.39	S1580C07F 36.39	S1580C07FSR 40.19	20	0	026
1	S1580C10 37.94	S1580C10F 37.94	S1580C10FSR 43.16	20	0	026
1-1/4	S1580C12 39.50	S1580C12F 39.50	S1580C12FSR 47.89	12	0	026
1-1/2	S1580C15 41.85	S1580C15F 41.85	S1580C15FSR 56.23	12	0	026
2	S1580C20 43.43	S1580C20F 43.43	S1580C20FSR 59.00	15	0	026
2-1/2	S1580C25 78.21	S1580C25F 78.21	S1580C25FSR 102.33	5	0	026
3	S1580C30 81.44	S1580C30F 81.44	S1580C30FSR 162.04	4	0	026
4	S1580C40 115.71	S1580C40F 115.71	S1580C40FSR 158.85	2	0	026

Thermoplastic Valves True Union Utility Spring Check Valves & Diaphragm Check Valves



True Union Utility Spring Check Valves

(Spring Assisted Swing Check)



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply
EPDM Seat
Stainless Steel Spring Assisted (non-adjustable)

General Installation Information: Spring check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft/sec. Minimum opening pressure less than 0.5 psi.

PVC White True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1780-05 41.49	S1780-05F 41.49	S1780-05FSR 44.12	20	0	026
3/4	S1780-07 47.06	S1780-07F 47.06	S1780-07FSR 50.84	30	0	026
1	S1780-10 49.05	S1780-10F 49.05	S1780-10FSR 54.26	18	0	026
1-1/4	S1780-12 51.09	S1780-12F 51.09	S1780-12FSR 59.44	12	0	026
1-1/2	S1780-15 54.43	S1780-15F 54.43	S1780-15FSR 68.82	10	0	026
2	S1780-20 56.67	S1780-20F 56.67	S1780-20FSR 72.23	10	0	026
2-1/2	S1780-25 101.14	S1780-25F 101.14	S1780-25FSR 125.24	2	0	026
3	S1780-30 105.51	S1780-30F 105.51	S1780-30FSR 147.15	2	0	026
4	S1780-40 149.71	S1780-40F 149.71	S1780-40FSR 192.89	1	0	026

PVC Clear True Union Spring Check (Spring Assisted Swing Check)

Size	Socket	Thread	SR Thread	Std Pk	Mstr Pk	Disc Code
1/2	S1780C05 42.80	S1780C05F 42.80	S1780C05FSR 45.43	20	0	026
3/4	S1780C07 48.54	S1780C07F 48.54	S1780C07FSR 52.32	30	0	026
1	S1780C10 50.56	S1780C10F 50.56	S1780C10FSR 55.82	18	0	026
1-1/4	S1780C12 52.64	S1780C12F 52.64	S1780C12FSR 61.00	12	0	026
1-1/2	S1780C15 55.82	S1780C15F 55.82	S1780C15FSR 70.50	10	0	026
2	S1780C20 57.45	S1780C20F 57.45	S1780C20FSR 73.94	10	0	026
2-1/2	S1780C25 104.27	S1780C25F 104.27	S1780C25FSR 128.43	2	0	026
3	S1780C30 108.76	S1780C30F 108.76	S1780C30FSR 150.39	2	0	026
4	S1780C40 154.36	S1780C40F 154.36	S1780C40FSR 197.53	1	0	026

Diaphragm Check Valves



Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 100 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Santoprene™ TPE Seat

PVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6562-007	3/4	15	0	004	84.64

PVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6561-007	3/4	15	0	004	84.64

CPVC Diaphragm Check Valves - Socket

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6562-007C	3/4	15	0	004	111.15

CPVC Diaphragm Check Valves - Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6561-007C	3/4	15	0	004	111.15

General Installation Information: Diaphragm Check Valves have "normally closed" operation with 1 - 1-1/2 psi opening pressure and can be mounted in any position. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of the flow. Flow velocity should not exceed 5 ft/sec.



Thermoplastic Valves PVC In-line Adjustable Spring Check Valves



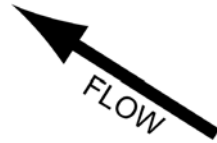
Fipt x Mipt



Mipt x Fipt



Fipt x Fipt



Pressure Rating @ 73°F (23°C), Water
200 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply

2 - 14 lbs. Adjustable Spring Tension
(5 to 32 feet of head)
Factory Preset to Approx. 5 psi
(12 feet of head)
Each full turn of adjustment nut = 1 psi
(2.3 feet of head)
Stainless Steel Adjustment Hardware
EPDM Seat

Standard Unit - Female Inlet x Male Outlet

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Fipt x Mipt (Inlet x Outlet)

S1102-05	1/2	30	180	026	10.40
S1102-07	3/4	25	150	026	10.64
S1102-10	1	25	150	026	17.66
S1102-05-07	1/2X3/4	25	150	026	15.18

Male Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Mipt x Fipt (Inlet x Outlet)

S1101-05	1/2	30	180	026	10.40
----------	-----	----	-----	-----	-------

Female Inlet x Female Outlet Option

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Fipt x Fipt (Inlet x Outlet)

S1100-07	3/4	25	150	026	10.99
----------	-----	----	-----	-----	-------

Thermoplastic Valves Industrial PVC Backwater Valves



Backwater Valves are designed to prevent backflow in numerous applications where easy service access for maintenance and cleaning is needed. Excellent for use in sanitary or storm sewer drainage systems to prevent waste back up due to inadequate drainage, for balancing multi-level ponds, aquaculture features or storage tank systems, and many other applications. Spears® Backwater Valve has been engineered for improved function and easier service, especially in buried service with use of optional Service-Access Extension available either preassembled with valve or as an add-on kit.

- Replaceable internal flapper assembly with EPDM Seat.
- Service-Access Extension available either preassembled with valve, as an add-on kit, or as valve & extension kit components with user supplied pipe.
- Direct Connection to ASTM D 2665 PVC DWV or other IPS size pipe. Spears® fabricated IPS x Sewer Adapters or DWV x Sewer & Drain Adapter Bushings are available for connection to ASTM D 3034 & ASTM D 2729 Sewer pipe.
- Pressure Rated to 43 psi (100 feet of head) @ 73°F (23°C).
- All extension kits can be cut shorter for custom application.
- Conforms to ASME/ANSI A112.14.1 for Backwater Valves.

PVC Backwater Valves



PVC Backwater Valves Soc x Soc - Valve Only

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P	2	1	12	055	56.10
S375P	3	2	0	055	56.21
S475P	4	1	0	055	62.27
S675P	6	1	0	055	265.30

PVC Backwater Valves with Extension Kit to Premade Length



PVC Backwater Valves with Extension Kit to Premade Length

Soc x Soc - Assembled with Extension

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-120 ¹	2X12HT	1	0	055	169.21
S275P-160 ¹	2X16HT	1	0	055	182.01
S275P-200 ¹	2X20HT	1	0	055	194.80
S275P-240 ¹	2X24HT	1	0	055	207.60
S275P-360 ¹	2X36HT	1	0	055	218.04
S275P-480 ¹	2X48HT	1	0	055	239.64
S375P-120 ¹	3X12HT	1	0	055	169.21
S375P-160 ¹	3X16HT	1	0	055	182.01
S375P-200 ¹	3X20HT	1	0	055	194.80
S375P-240 ¹	3X24HT	1	0	055	207.60
S375P-360 ¹	3X36HT	1	0	055	218.04
S375P-480 ¹	3X48HT	1	0	055	239.64
S475P-120 ¹	4X12HT	1	0	055	219.79

PVC Backwater Valves with Extension Kit to Premade Length

Soc x Soc - Assembled with Extension (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S475P-160 ¹	4X16HT	1	0	055	237.11
S475P-200 ¹	4X20HT	1	0	055	252.89
S475P-240 ¹	4X24HT	1	0	055	269.66
S475P-360 ¹	4X36HT	1	0	055	283.20
S475P-480 ¹	4X48HT	1	0	055	311.22
S675P-120 ¹	6X12HT	1	0	055	461.53
S675P-160 ¹	6X16HT	1	0	055	497.93
S675P-200 ¹	6X20HT	1	0	055	531.07
S675P-240 ¹	6X24HT	1	0	055	566.35
S675P-360 ¹	6X36HT	1	0	055	594.74
S675P-480 ¹	6X48HT	1	0	055	653.55

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

PVC Service-Access Extension Kit Only to Premade Length



PVC Service-Access Extension Kit: includes factory assembled internal flap assembly, assembly extension pipe, and external extension housing with top access adapter. Requires solvent cement assembly to existing valve and uses existing threaded Access Plug. Standard Extensions are available in convenient increments of 12", 16", 20", 24", 36", and 48" (measured from top of valve to top of extension). Contact Spears® for pricing on custom cut lengths. All extension kits can be cut shorter in the field for custom fits prior to cementing access adapter in place.

PVC Service-Access Extension Kit Only to Premade Length

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SAEK-020-120 ¹	2X12HT	1	0	055	52.77
SAEK-020-160 ¹	2X16HT	1	0	055	54.28
SAEK-020-200 ¹	2X20HT	1	0	055	55.72
SAEK-020-240 ¹	2X24HT	1	0	055	58.39
SAEK-020-360 ¹	2X36HT	1	0	055	61.15
SAEK-020-480 ¹	2X48HT	1	0	055	64.14
SAEK-030-120 ¹	3X12HT	1	0	055	57.23
SAEK-030-160 ¹	3X16HT	1	0	055	64.60
SAEK-030-200 ¹	3X20HT	1	0	055	68.44
SAEK-030-240 ¹	3X24HT	1	0	055	77.13
SAEK-030-360 ¹	3X36HT	1	0	055	91.24
SAEK-030-480 ¹	3X48HT	1	0	055	107.91
SAEK-040-120 ¹	4X12HT	1	0	055	85.34
SAEK-040-160 ¹	4X16HT	1	0	055	96.21
SAEK-040-200 ¹	4X20HT	1	0	055	118.67
SAEK-040-240 ¹	4X24HT	1	0	055	129.95

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 403



Thermoplastic Valves Industrial PVC Backwater Valves

PVC Service-Access Extension Kit Only to Premade Length (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SAEK-040-360 ¹	4X36HT	1	0	055	163.46
SAEK-040-480 ¹	4X48HT	1	0	055	188.71
SAEK-060-120 ¹	6X12HT	1	0	055	152.89
SAEK-060-160 ¹	6X16HT	1	0	055	173.77
SAEK-060-200 ¹	6X20HT	1	0	055	197.04
SAEK-060-240 ¹	6X24HT	1	0	055	226.07
SAEK-060-360 ¹	6X36HT	1	0	055	280.62
SAEK-060-480 ¹	6X48HT	1	0	055	348.34

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

Table 1: User Supplied Pipe Requirements
For Use With Extension Components

Valve Size	Riser Pipe Type Options	Sleeve Pipe Type Options
2"	4" Class 125 PVC 4" Sch 40 PVC	2" Class 125 PVC 2" Sch 40 PVC
3"	5" Class 125 PVC 5" Sch 40 PVC 6" D3034 (SDR 35) PVC Sewer Pipe	4" Class 125 PVC 4" Sch 40 PVC
4"	8" Class 125 PVC 8" Sch 40 PVC	5" Class 125 PVC 5" Sch 40 PVC 6" D3034 (SDR 35) PVC Sewer Pipe
6"	10" Class 125 PVC 10" Sch 40 PVC	8" Class 125 PVC 8" Sch 40 PVC

Note: Sch 80 PVC pipe may also be used, except for 3" Riser or 2" Sleeve. ABS pipe may also be used. However, special cement for joining ABS to PVC must be used.

PVC Backwater Valve with Extension Components



Industrial Backwater Valve Flapper Repair Kit



PVC Backwater Valve with Extension Components Soc x Soc - Components Must be assembled with user supplied pipe (see Table 1)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-AK	2	1	8	055	82.65
S375P-AK	3	1	0	055	82.65
S475P-AK	4	1	0	055	96.68
S675P-AK	6	1	0	055	342.36

Industrial Backwater Valve Flapper Repair Kit

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Complete Flapper Assembly replacement					
S275P-FRK	2	1	10	055	32.76
S375P-FRK	3	1	10	055	41.31
S475P-FRK	4	1	10	055	48.11
S675P-FRK	6	1	5	055	85.67

PVC Backwater Valve Metric Adapters



PVC Backwater Valve Extension Components Only



PVC Backwater Valve Extension Components Only Must be assembled with user supplied pipe (see Table 1)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-ECK	2	1	8	055	44.01
S375P-ECK	3	1	0	055	44.01
S475P-ECK	4	1	0	055	57.35
S675P-ECK	6	1	0	055	120.49

PVC Backwater Valve Metric Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Metric Socket x ASTM Spigot					
S275MA-063	63mm X2	50	0	055	14.52
S375MA-090	90mm X3	25	0	055	15.60
S475MA-110	110mm X4	10	0	055	18.48
S675MA-160	160mm X6	4	0	055	42.65

**Thermoplastic Valves
Industrial PVC Backwater Valves**



PVC Backwater Valve Metric Adapters (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Metric Socket x ASTM Spigot

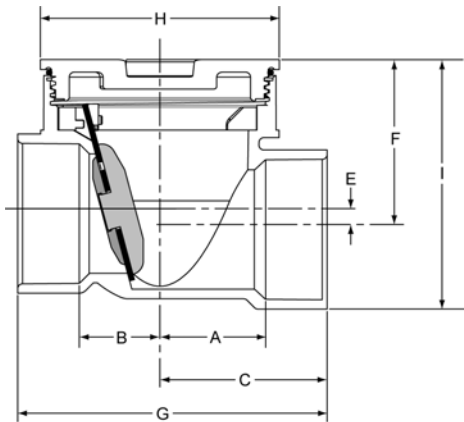
S475MA-110	110mm X4	10	0	055	18.48
S675MA-160	160mm X6	4	0	055	42.65



Thermoplastic Valves Industrial PVC Backwater Valves

Technical Information

STANDARD VALVE



Standard Valve Dimensions (Inches)

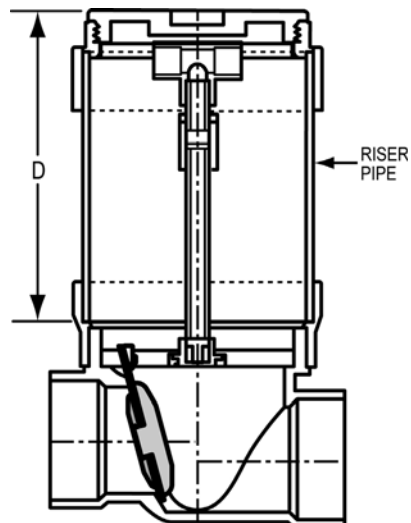
Size	A	B	C	E	F	G	H	I
2	1-13/16	1-3/4	2-5/8	5/16	3-1/4	5-9/32	4-3/16	4-9/16
3	2-5/8	2	4-3/16	13/32	4-1/8	7-3/4	6	6-1/8
4	3-5/8	3-3/4	5-7/16	23/32	5-7/16	10-15/16	8-1/4	7-15/16
6	4-3/4	4-5/8	7-3/4	13/16	7-3/16	15-3/8	11-1/4	10-13/16

Valve with Extension Kit Dimensions (Inches)

HEIGHT-D
12
16
20
24
36
48

D = Top of plug Standard Valve to top of plug with Extension

VALVE WITH EXTENSION KIT



Thermoplastic Valves Sump Pump Swing Check Valve & Quiet Check Valve

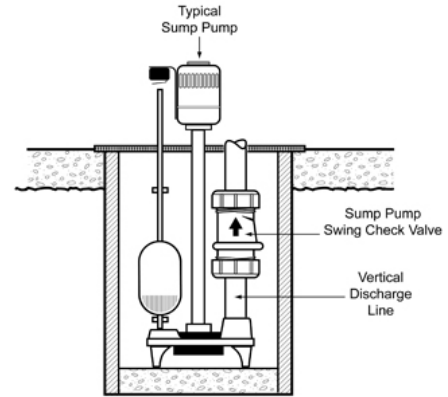


Sump Pump Swing Check Valve



- Specifically Designed for Use on Sump Pump Discharge Lines (See Illustration)
- Includes Compression End Connectors with Buna-N Gaskets for Use on Either 1-1/4" or 1-1/2" Pipe
- All Plastic Construction with Elastomer Seals - No Metal Parts
- Angled Seat and Weighted Flapper for Low-Pressure Seal
- Suitable for Vertical Up-flow or Horizontal Installations

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply



General Installation Information: Sump Pump Swing Check Valves may be installed in either vertical up-flow (see illustration) or horizontal positions on pump discharge line. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. In horizontal installations, the designated side must be positioned "up." Do Not install Check Valve upside down.

PVC Sump Pump Swing Check Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Compression Ends

Buna-N Gaskets included for both 1-1/4" & 1-1/2" pipe

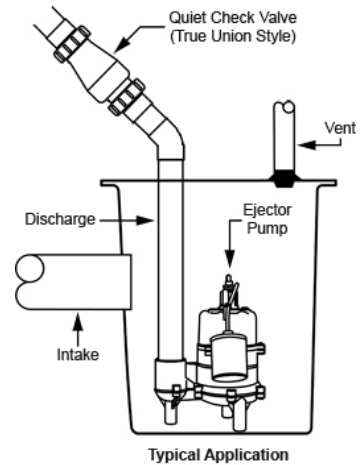
S1400-15	1-1/2 & 1-1/4	16	0	026	17.86
----------	---------------	----	---	-----	-------

Quiet Check Valve



- Designed to Provide Quiet Operation in Sump Pump or Sewage Ejector Pump Systems.
- Spring Controlled Rate of Closing Prevents Slamming and Eliminates Noise.
- Includes Both True Union and Direct Socket Connection for Installation in Confined Space.
- 2" Size for Sewage Ejector Systems, 1-1/2" Size for Sump Pump Effluent Systems.

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature 140°F (60°C)
Temperature/Pressure De-ratings Apply



General Installation Information: Install check valve 12"-18" above pump discharge, or as recommended by pump system manufacturer. Be sure check valve installation complies with local codes. Valve may be installed in either vertical up-flow or horizontal positions on pump discharge line. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. In horizontal installations, the designated side must be positioned "up."

PVC Quiet Check Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Soc x Soc

True Union or Direct Socket End Connection

8622-015	1-1/2	12	0	026	40.00
8622-020	2	10	0	026	57.18

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 407



Thermoplastic Valves Swing Check Ball Valve



- One-piece Combination for Applications Requiring In-line Ball Valve and Check Valves
- Compact, Space-Saving Design
- True Union Design Allows Easy Service and Cleaning
- High Grade EPDM Seals
- Replaceable PTFE HDPE Ball Valve Seats
- Safety-Blocked™ Seal Carrier on Ball Valve
- Replaceable Sealed Check Valve Cartridge
- Suitable for Horizontal or Vertical Up-flow Installations
- Socket End Connections

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply

General Installation Information: Swing Check Ball Valves are designed for horizontal installations, but may be installed in up-flow only vertical position. The Check Valve portion **MUST** be installed with the valve's FLOW arrow pointing in the direction of flow and with the designated side up in horizontal installations. Do Not install Check Valve upside down. The Ball Valve portion may be rotated and installed in any position. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure is less than 0.5 psi.

PVC Swing Check Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Soc x Soc

7622-015	1-1/2	10	0	026	40.44
7622-020	2	6	0	026	58.04

Thermoplastic Valves Gate Valves



1/2" - 2" Socket/Threaded Style



2-1/2" - 3" Socket Style



4" Socket Style

Pressure Rating @ 73°F (23°C), Water

1/2" - 2" 200 psi

2-1/2" - 3" 150 psi

4" 235 psi

Flanged 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

PP Gate-Wedge on PVC Valves
CPVC Gate-Wedge on CPVC Valve
All Valves Assembled with Silicone-Free,
Water Soluble Lubricant

See Gate Valve Accessories & Repair Kits
Section for Additional Options and Features

PVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	-----------	------------	--------------

Threaded Ends

1/2	2011-005 22.98	2021-005 25.22	2031-005 27.78	12	0	200
3/4	2011-007 28.10	2021-007 30.93	2031-007 32.56	12	0	200
1	2011-010 33.31	2021-010 36.68	2031-010 40.38	12	0	200
1-1/4	2011-012 46.06	2021-012 50.68	2031-012 55.72	6	0	200
1-1/2	2011-015 58.77	2021-015 65.29	2031-015 71.10	6	0	200
2	2011-020 75.48	2021-020 83.10	2031-020 91.35	6	0	200
2-1/2	2011-025 417.31	2021-025 459.03	2031-025 504.95	1	0	201

SR Threaded Ends

3	2011-030SR 417.31	2021-030SR 459.03	2031-030SR 504.95	1	0	201
4	2011-040SR 818.94	2021-040SR 909.94	2031-040SR 1000.90	1	0	201

Socket Ends

1/2	2012-005 22.98	2022-005 25.22	2032-005 27.78	12	0	200
3/4	2012-007 28.10	2022-007 30.93	2032-007 32.56	12	0	200
1	2012-010 33.31	2022-010 36.68	2032-010 40.38	12	0	200
1-1/4	2012-012 46.06	2022-012 50.68	2032-012 55.72	6	0	200
1-1/2	2012-015 58.77	2022-015 65.29	2032-015 71.10	6	0	200
2	2012-020 75.48	2022-020 83.10	2032-020 91.35	6	0	200
2-1/2	2012-025 417.31	2022-025 459.03	2032-025 504.95	1	0	201
3	2012-030 417.31	2022-030 459.03	2032-030 504.95	1	0	201
4	2012-040 818.94	2022-040 909.94	2032-040 1000.90	1	0	201

Flanged Ends

1/2	2013-005 111.27	2023-005 126.18	2033-005 144.62	4	0	200
3/4	2013-007 125.20	2023-007 141.68	2033-007 161.65	4	0	200
1	2013-010 137.48	2023-010 155.31	2033-010 178.37	4	0	200
1-1/4	2013-012 154.86	2023-012 177.79	2033-012 211.00	3	0	200
1-1/2	2013-015 180.76	2023-015 206.33	2033-015 242.40	3	0	200

PVC (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	-----------	------------	--------------

Flanged Ends

2	2013-020 232.66	2023-020 244.45	2033-020 261.70	2	0	200
2-1/2	2013-025 521.62	2023-025 698.41	2033-025 768.24	1	0	201
3	2013-030 521.62	2023-030 698.41	2033-030 768.24	1	0	201
4	2013-040 1026.74	2023-040 1140.88	2033-040 1254.97	1	0	201

CPVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	-----------	------------	--------------

Threaded Ends

1/2	2011-005C 67.26	2021-005C 74.70	2031-005C 82.21	12	0	202
3/4	2011-007C 72.73	2021-007C 80.79	2031-007C 88.88	12	0	202
1	2011-010C 79.72	2021-010C 88.59	2031-010C 97.41	12	0	202
1-1/4	2011-012C 140.02	2021-012C 155.60	2031-012C 171.16	6	0	202
1-1/2	2011-015C 153.05	2021-015C 170.53	2031-015C 187.60	6	0	202
2	2011-020C 177.07	2021-020C 196.71	2031-020C 216.38	6	0	202
2-1/2	2011-025C 659.34	2021-025C 711.49	2031-025C 772.59	1	0	203

SR Threaded Ends

3	2011-030CSR 885.28	2021-030CSR 983.37	2031-030CSR 1092.65	1	0	203
4	2011-040CSR 1593.47	2021-040CSR 1770.50	2031-040CSR 1967.22	1	0	203

Socket Ends

1/2	2012-005C 67.26	2022-005C 74.70	2032-005C 82.21	12	0	202
3/4	2012-007C 72.73	2022-007C 80.79	2032-007C 88.88	12	0	202
1	2012-010C 79.72	2022-010C 88.59	2032-010C 97.41	12	0	202
1-1/4	2012-012C 140.02	2022-012C 155.60	2032-012C 171.16	6	0	202
1-1/2	2012-015C 153.05	2022-015C 170.53	2032-015C 187.60	6	0	202
2	2012-020C 177.07	2022-020C 196.71	2032-020C 216.38	6	0	202
2-1/2	2012-025C 659.34	2022-025C 711.49	2032-025C 772.59	1	0	203
3	2012-030C 885.28	2022-030C 983.37	2032-030C 1092.65	1	0	203
4	2012-040C 1593.47	2022-040C 1770.50	2032-040C 1967.22	1	0	203

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 409



Thermoplastic Valves Gate Valves & Plug Gate Valves

Gate Valves

CPVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends						
1/2	2013-005C 301.37	2023-005C 334.81	2033-005C 368.26	4	0	202
3/4	2013-007C 325.82	2023-007C 361.98	2033-007C 398.19	4	0	202
1	2013-010C 357.07	2023-010C 396.82	2033-010C 436.49	4	0	202
1-1/4	2013-012C 482.93	2023-012C 536.82	2033-012C 590.50	3	0	202
1-1/2	2013-015C 527.48	2023-015C 588.37	2033-015C 647.13	3	0	202

CPVC (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Flanged Ends						
2	2013-020C 610.82	2023-020C 678.67	2033-020C 746.56	2	0	202
2-1/2	2013-025C 798.07	2023-025C 1054.63	2033-025C 1183.10	1	0	203
3	2013-030C 1106.57	2023-030C 1229.53	2033-030C 1366.16	1	0	203
4	2013-040C 1991.84	2023-040C 2213.15	2033-040C 2459.07	1	0	203

Plug Gate Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 Flanged 150 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply
 Plug-Style PE Wedge on All Valves
 Rated for Vacuum Service
 All Valves Assembled with Silicone-Free,
 Water Soluble Lubricants

PVC Socket Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5212-005 22.98	5222-005 25.22	5232-005 27.78	12	0	200
3/4	5212-007 28.10	5222-007 30.93	5232-007 32.56	12	0	200
1	5212-010 33.31	5222-010 36.68	5232-010 40.38	12	0	200
1-1/4	5212-012 46.06	5222-012 50.68	5232-012 55.72	6	0	200
1-1/2	5212-015 58.77	5222-015 65.29	5232-015 71.10	6	0	200
2	5212-020 75.48	5222-020 83.10	5232-020 91.35	6	0	200

PVC Flanged Ends (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1	5213-010 137.48	5223-010 155.31	5233-010 178.37	4	0	200
1-1/4	5213-012 154.86	5223-012 177.79	5233-012 211.00	3	0	200
1-1/2	5213-015 180.76	5223-015 206.33	5233-015 242.40	3	0	200
2	5213-020 232.66	5223-020 244.45	5233-020 261.70	2	0	200
6	---	5223-060 2183.90	5233-060 2845.45	1	0	201
8	---	5223-080 2592.98	5233-080 3039.79	1	0	201

PVC SR Threaded Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5211-005SR 25.57	5221-005SR 27.84	5231-005SR 30.35	12	0	200
3/4	5211-007SR 31.85	5221-007SR 34.68	5231-007SR 36.31	12	0	200
1	5211-010SR 38.48	5221-010SR 41.86	5231-010SR 45.54	12	0	200
1-1/4	5211-012SR 54.36	5221-012SR 58.98	5231-012SR 64.03	6	0	200
1-1/2	5211-015SR 72.99	5221-015SR 79.51	5231-015SR 85.29	6	0	200
2	5211-020SR 90.88	5221-020SR 98.47	5231-020SR 106.77	6	0	200

CPVC Socket Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5212-005C 67.26	5222-005C 74.70	5232-005C 82.21	12	0	202
3/4	5212-007C 72.73	5222-007C 80.79	5232-007C 88.88	12	0	202
1	5212-010C 79.72	5222-010C 88.59	5232-010C 97.41	12	0	202
1-1/4	5212-012C 140.02	5222-012C 155.60	5232-012C 171.16	6	0	202
1-1/2	5212-015C 153.05	5222-015C 170.53	5232-015C 187.60	6	0	202
2	5212-020C 177.07	5222-020C 196.71	5232-020C 216.38	6	0	202

PVC Flanged Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5213-005 111.27	5223-005 126.18	5233-005 144.62	4	0	200
3/4	5213-007 125.20	5223-007 141.68	5233-007 161.65	4	0	200

CPVC SR Threaded Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5211-005CSR 69.86	5221-005CSR 77.31	5231-005CSR 84.81	12	0	202
3/4	5211-007CSR 76.47	5221-007CSR 84.53	5231-007CSR 92.65	12	0	202

Thermoplastic Valves Plug Gate Valves & Gate Valve Accessories & Repair Kits



Plug Gate Valves

CPVC SR Threaded Ends (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1	5211-010CSR 84.90	5221-010CSR 93.74	5231-010CSR 102.61	12	0	202
1-1/4	5211-012CSR 148.30	5221-012CSR 163.88	5231-012CSR 179.47	6	0	202
1-1/2	5211-015CSR 161.36	5221-015CSR 178.80	5231-015CSR 195.87	6	0	202
2	5211-020CSR 192.50	5221-020CSR 212.13	5231-020CSR 231.80	6	0	202

CPVC Flanged Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	5213-005C 301.37	5223-005C 334.81	5233-005C 368.26	4	0	202
3/4	5213-007C 325.82	5223-007C 361.98	5233-007C 398.19	4	0	202

CPVC Flanged Ends (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1	5213-010C 357.07	5223-010C 396.82	5233-010C 436.49	4	0	202
1-1/4	5213-012C 482.93	5223-012C 536.82	5233-012C 589.89	3	0	202
1-1/2	5213-015C 527.48	5223-015C 588.37	5233-015C 647.13	3	0	202
2	5213-020C 610.82	5223-020C 678.67	5233-020C 746.56	2	0	202
6	---	5223-060C 2839.04	5233-060C 3699.15	1	0	203
8	---	5223-080C 3015.28	5233-080C 3897.16	1	0	203

Gate Valve Accessories & Repair Kits

Operator Nut



2" Operator Nuts

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GTN-005 ¹	1/2, 3/4 & 1	10	60	299	40.99
GTN-012 ²	1-1/4, 1-1/2 & 2	10	60	299	61.47
PGTN-012 ³	1-1/4, 1-1/2 & 2	10	60	299	61.47
GTN-030	3	10	80	299	102.47
GTN-040	4	10	60	299	102.47

1 - GTN-005 fits Standard & Plug Style Gate Valves
2 - GTN-012 fits Standard Gate Valves Only
3 - PGTN-012 fits Plug Style Gate Valves Only

Regular Gate Valve O-ring Repair Kits

1/2" - 2" Kit includes:

- 1-Stem O-ring
- 1-Bonnet O-Ring
- 1-Stem Bushing
- 1-Stem Washer

2-1/2" - 3" Kit includes:

- 1-Stem O-ring
- 1-Seal Carrier O-ring
- 1-Stem Bushing
- 1-Stem Washer

4" Kit includes:

- 1-Stem O-ring
- 1-Bonnet O-ring
- 1-Stem Bushing

Regular Gate Valve O-ring Repair Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	GT-BRK-005 6.35	GT-ERK-005 7.37	GT-VRK-005 12.61	1	10	299

Regular Gate Valve O-ring Repair Kits (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
3/4	GT-BRK-007 6.35	GT-ERK-007 7.37	GT-VRK-007 12.61	1	10	299
1	GT-BRK-010 6.60	GT-ERK-010 8.56	GT-VRK-010 13.90	1	10	299
1-1/4 & 1-1/2	GT-BRK-015 7.84	GT-ERK-015 12.31	GT-VRK-015 23.23	1	10	299
2	GT-BRK-020 8.46	GT-ERK-020 12.87	GT-VRK-020 23.93	1	10	299
2-1/2 & 3	GT-BRK-030 9.72	GT-ERK-030 13.94	GT-VRK-030 26.13	1	10	299
4	GT-BRK-040 10.26	GT-ERK-040 14.85	GT-VRK-040 30.73	1	10	299

Plug Gate Valve O-ring Repair Kits

1/2" - 2" Kit includes:

- 1-Stem O-ring
- 1-Bonnet O-Ring

Plug Gate Valve O-ring Repair Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2, 3/4 & 1	PGT-BRK-010 3.18	PGT-ERK-010 3.43	PGT-VRK-010 6.50	1	10	299
1-1/4, 1-1/2 & 2	PGT-BRK-020 3.88	PGT-ERK-020 4.53	PGT-VRK-020 7.65	1	10	299

PVC Plug Gate Valve Internal Replacement Cartridge

Internal Replacement Cartridge includes complete, fully assembled Handle/Nut, Stem/O-ring, Bonnet/O-ring Gate for direct insertion into existing valve Body.

PVC Plug Gate Valve Internal Replacement Cartridge

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2, 3/4 & 1	5210-010 20.17	5220-010 22.18	5230-010 24.37	1	10	299
1-1/4, 1-1/2 & 2	5210-020 40.48	5220-020 44.51	5230-020 48.97	1	4	299
6	---	5220-060 1390.03	5230-060 1810.60	1	0	299



Thermoplastic Valves Gate Valve Accessories & Repair Kits

CPVC Plug Gate Valve Internal Replacement Cartridge

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2, 3/4 & 1	5210-010C 59.07	5220-010C 65.63	5230-010C 72.21	1	10	299
1-1/4, 1-1/2 & 2	5210-020C 122.99	5220-020C 136.65	5230-020C 150.34	1	4	299
6	---	5220-060C 1806.52	5230-060C 2353.82	1	0	299

Thermoplastic Valves PVC Pool Butterfly Valves & Butterfly Valves



PVC Pool Butterfly Valves



Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC White Butterfly Valve Lever Handle EPDM Seats

682311-015	1-1/2	1	0	260	155.50
682311-020	2	1	0	260	160.91
682311-025	2-1/2	1	0	260	166.32
682311-030	3	1	0	260	175.77
682311-040	4	1	0	260	196.05
682311-060	6	1	0	260	290.71
682311-080	8	1	0	260	513.81



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC White Butterfly Valve Gear Operated EPDM Seats

682321-015	1-1/2	1	0	261	519.21
682321-020	2	1	0	261	566.54
682321-025	2-1/2	1	0	261	607.11
682321-030	3	1	0	261	612.52
682321-040	4	1	0	261	642.26
682321-060	6	1	0	261	688.23
682321-080	8	1	0	261	950.78
682321-100	10	1	0	261	1141.20
682321-120	12	1	0	261	1385.94



Butterfly Valves



Lever Handle Style

Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features



Gear Operator Style

PVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311-015 266.60	722311-015 266.60	723311-015 556.62	1	0	250
2	721311-020 277.20	722311-020 277.20	723311-020 573.66	1	0	250
2-1/2	721311-025 294.29	722311-025 294.29	723311-025 582.20	1	0	250
3	721311-030 298.57	722311-030 298.57	723311-030 592.87	1	0	250
4	721311-040 345.51	722311-040 345.51	723311-040 742.16	1	0	250
6	721311-060 511.84	722311-060 511.84	723311-060 1185.74	1	0	250
8	721311-080 870.11	722311-080 870.11	723311-080 2008.94	1	0	250

PVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Gear Operator						
1-1/2	721321-015 774.13	722321-015 774.13	723321-015 983.15	1	0	250
2	721321-020 784.83	722321-020 784.83	723321-020 1002.35	1	0	250
2-1/2	721321-025 795.45	722321-025 795.45	723321-025 1040.71	1	0	250
3	721321-030 808.28	722321-030 808.28	723321-030 1100.46	1	0	250
4	721321-040 848.79	722321-040 848.79	723321-040 1245.46	1	0	250
6	721321-060 1019.43	722321-060 1019.43	723321-060 1693.31	1	0	250
8	721321-080 1377.67	722321-080 1377.67	723321-080 2516.52	1	0	250

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 413



Thermoplastic Valves Butterfly Valves & Lug Insert Butterfly Valves

Butterfly Valves

PVC (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Gear Operator						
10	721321-100 1863.89	722321-100 1863.89	723321-100 4111.68	1	0	250
12	721321-120 2567.68	722321-120 2567.68	723321-120 5907.41	1	0	250

Valve Only

1-1/2	721301-015 232.47	722301-015 232.47	723301-015 486.22	1	0	250
2	721301-020 258.03	722301-020 258.03	723301-020 509.70	1	0	250
2-1/2	721301-025 266.60	722301-025 266.60	723301-025 526.74	1	0	250
3	721301-030 272.99	722301-030 272.99	723301-030 537.41	1	0	250
4	721301-040 315.63	722301-040 315.63	723301-040 673.90	1	0	250
6	721301-060 477.69	722301-060 477.69	723301-060 1091.91	1	0	250
8	721301-080 827.48	722301-080 827.48	723301-080 1842.59	1	0	250
10	721301-100 1659.17	722301-100 1659.17	723301-100 3689.44	1	0	250
12	721301-120 2141.16	722301-120 2141.16	723301-120 5267.59	1	0	250

CPVC

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311-015C 356.16	722311-015C 356.16	723311-015C 720.84	1	0	252
2	721311-020C 379.60	722311-020C 379.60	723311-020C 744.30	1	0	252
2-1/2	721311-025C 403.09	722311-025C 403.09	723311-025C 808.28	1	0	252
3	721311-030C 439.33	722311-030C 439.33	723311-030C 865.84	1	0	252
4	721311-040C 507.59	722311-040C 507.59	723311-040C 1083.37	1	0	252
6	721311-060C 750.70	722311-060C 750.70	723311-060C 1731.73	1	0	252
8	721311-080C 1275.31	722311-080C 1275.31	723311-080C 2930.26	1	0	252

Gear Operator

1-1/2	721321-015C 885.63	722321-015C 885.63	723321-015C 1209.41	1	0	252
-------	-----------------------	-----------------------	------------------------	---	---	-----

CPVC (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Gear Operator						
2	721321-020C 915.46	722321-020C 915.46	723321-020C 1246.83	1	0	252
2-1/2	721321-025C 929.86	722321-025C 929.86	723321-025C 1310.23	1	0	252
3	721321-030C 942.62	722321-030C 942.62	723321-030C 1369.16	1	0	252
4	721321-040C 1010.87	722321-040C 1010.87	723321-040C 1586.69	1	0	252
6	721321-060C 1258.26	722321-060C 1258.26	723321-060C 2235.01	1	0	252
8	721321-080C 1778.60	722321-080C 1778.60	723321-080C 3433.56	1	0	252
10	721321-100C 2490.91	722321-100C 2490.91	723321-100C 6363.76	1	0	252
12	721321-120C 3518.83	722321-120C 3518.83	723321-120C 8272.46	1	0	252

Valve Only

1-1/2	721301-015C 332.69	722301-015C 332.69	723301-015C 669.67	1	0	252
2	721301-020C 356.16	722301-020C 356.16	723301-020C 684.56	1	0	252
2-1/2	721301-025C 371.07	722301-025C 371.07	723301-025C 714.44	1	0	252
3	721301-030C 400.95	722301-030C 400.95	723301-030C 780.54	1	0	252
4	721301-040C 464.91	722301-040C 464.91	723301-040C 985.31	1	0	252
6	721301-060C 699.49	722301-060C 699.49	723301-060C 1590.93	1	0	252
8	721301-080C 1211.31	722301-080C 1211.31	723301-080C 2687.17	1	0	252
10	721301-100C 2422.68	722301-100C 2422.68	723301-100C 5387.04	1	0	252
12	721301-120C 3147.76	722301-120C 3147.76	723301-120C 7001.44	1	0	252

Lug Insert Butterfly Valves



Spears® Standard Butterfly Valve with Lug Inserts Factory Assembled

Note: Lug (insert) Valves require attention to flow direction for dead-end service. Flange must be installed on side of valve *opposite* the hex nut recesses for Single-Side installation. See "True Lug Butterfly Valves," where dead-end service is required in either direction.

Pressure Rating @ 73°F (23°C), Water

1-1/2" - 12" 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features. Lug Valves Use Same Accessories, Repair Kits, and Overhaul Kits as Standard Butterfly Valves



PVC - Zinc-Plated Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311K-015 424.56	722311K-015 424.56	723311K-015 607.11	1	0	250

PVC - Zinc-Plated Lug Inserts (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
2	721311K-020 434.03	722311K-020 434.03	723311K-020 630.11	1	0	250

Thermoplastic Valves Lug Insert Butterfly Valves



PVC - Zinc-Plated Lug Inserts (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
2-1/2	721311K-025 459.72	722311K-025 459.72	723311K-025 650.37	1	0	250
3	721311K-030 466.49	722311K-030 466.49	723311K-030 687.69	1	0	250
4	721311K-040 819.38	722311K-040 819.38	723311K-040 1062.78	1	0	250
6	721311K-060 1072.23	722311K-060 1072.23	723311K-060 1519.80	1	0	250
8	721311K-080 1331.85	722311K-080 1331.85	723311K-080 2170.18	1	0	250

Gear Operator

1-1/2	721321K-015 884.30	722321K-015 884.30	723321K-015 1061.43	1	0	250
2	721321K-020 903.22	722321K-020 903.22	723321K-020 1080.35	1	0	250
2-1/2	721321K-025 946.49	722321K-025 946.49	723321K-025 1119.55	1	0	250
3	721321K-030 960.01	722321K-030 960.01	723321K-030 1150.66	1	0	250
4	721321K-040 1322.38	722321K-040 1322.38	723321K-040 1646.90	1	0	250
6	721321K-060 1632.03	722321K-060 1632.03	723321K-060 2180.99	1	0	250
8	721321K-080 1917.32	722321K-080 1917.32	723321K-080 2861.12	1	0	250
10	721321K-100 3389.79	722321K-100 3389.79	723321K-100 5427.46	1	0	250
12	721321K-120 3906.31	722321K-120 3906.31	723321K-120 6524.03	1	0	250

Valve Only

1-1/2	721301K-015 381.31	722301K-015 381.31	723301K-015 584.12	1	0	250
2	721301K-020 419.16	722301K-020 419.16	723301K-020 600.35	1	0	250
2-1/2	721301K-025 439.44	722301K-025 439.44	723301K-025 634.15	1	0	250
3	721301K-030 447.55	722301K-030 447.55	723301K-030 640.91	1	0	250
4	721301K-040 801.81	722301K-040 801.81	723301K-040 1039.79	1	0	250
6	721301K-060 1064.14	722301K-060 1064.14	723301K-060 1492.76	1	0	250
8	721301K-080 1307.50	722301K-080 1307.50	723301K-080 2140.43	1	0	250
10	721301K-100 2670.46	722301K-100 2670.46	723301K-100 4306.54	1	0	250
12	721301K-120 3078.80	722301K-120 3078.80	723301K-120 6164.36	1	0	250

CPVC - Zinc-Plated Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311K-015C 553.01	722311K-015C 553.01	723311K-015C 770.71	1	0	252
2	721311K-020C 569.26	722311K-020C 569.26	723311K-020C 788.29	1	0	252
2-1/2	721311K-025C 577.36	722311K-025C 577.36	723311K-025C 807.23	1	0	252
3	721311K-030C 586.83	722311K-030C 586.83	723311K-030C 828.86	1	0	252
4	721311K-040C 1011.39	722311K-040C 1011.39	723311K-040C 1339.96	1	0	252
6	721311K-060C 1353.48	722311K-060C 1353.48	723311K-060C 1888.94	1	0	252
8	721311K-080C 1669.88	722311K-080C 1669.88	723311K-080C 2755.65	1	0	252

Gear Operator

1-1/2	721321K-015C 1089.83	722321K-015C 1089.83	723321K-015C 1350.77	1	0	252
2	721321K-020C 1110.11	722321K-020C 1110.11	723321K-020C 1380.52	1	0	252
2-1/2	721321K-025C 1124.97	722321K-025C 1124.97	723321K-025C 1402.15	1	0	252

CPVC - Zinc-Plated Lug Inserts (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Gear Operator						
3	721321K-030C 1133.10	722321K-030C 1133.10	723321K-030C 1437.31	1	0	252
4	721321K-040C 1684.74	722321K-040C 1684.74	723321K-040C 2074.16	1	0	252
6	721321K-060C 2055.24	722321K-060C 2055.24	723321K-060C 2759.70	1	0	252
8	721321K-080C 2414.90	722321K-080C 2414.90	723321K-080C 3788.67	1	0	252
10	721321K-100C 4244.34	722321K-100C 4244.34	723321K-100C 6806.62	1	0	252
12	721321K-120C 4882.55	722321K-120C 4882.55	723321K-120C 7469.17	1	0	252

Valve Only

1-1/2	721301K-015C 528.68	722301K-015C 528.68	723301K-015C 759.89	1	0	252
2	721301K-020C 547.62	722301K-020C 547.62	723301K-020C 777.48	1	0	252
2-1/2	721301K-025C 554.37	722301K-025C 554.37	723301K-025C 795.05	1	0	252
3	721301K-030C 562.48	722301K-030C 562.48	723301K-030C 804.51	1	0	252
4	721301K-040C 964.07	722301K-040C 964.07	723301K-040C 1308.86	1	0	252
6	721301K-060C 1337.26	722301K-060C 1337.26	723301K-060C 1875.40	1	0	252
8	721301K-080C 1636.07	722301K-080C 1636.07	723301K-080C 2944.96	1	0	252
10	721301K-100C 3337.05	722301K-100C 3337.05	723301K-100C 5604.59	1	0	252
12	721301K-120C 3849.51	722301K-120C 3849.51	723301K-120C 7302.86	1	0	252

PVC - SS Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311G-015 484.06	722311G-015 484.06	723311G-015 730.16	1	0	250
2	721311G-020 489.48	722311G-020 489.48	723311G-020 736.90	1	0	250
2-1/2	721311G-025 538.15	722311G-025 538.15	723311G-025 766.66	1	0	250
3	721311G-030 543.56	722311G-030 543.56	723311G-030 774.78	1	0	250
4	721311G-040 964.07	722311G-040 964.07	723311G-040 1249.36	1	0	250
6	721311G-060 1262.89	722311G-060 1262.89	723311G-060 1787.53	1	0	250
8	721311G-080 1560.35	722311G-080 1560.35	723311G-080 2552.83	1	0	250

Gear Operator

1-1/2	721321G-015 987.06	722321G-015 987.06	723321G-015 1239.90	1	0	250
2	721321G-020 999.22	722321G-020 999.22	723321G-020 1260.18	1	0	250
2-1/2	721321G-025 1051.96	722321G-025 1051.96	723321G-025 1316.98	1	0	250
3	721321G-030 1065.48	722321G-030 1065.48	723321G-030 1348.07	1	0	250
4	721321G-040 1553.60	722321G-040 1553.60	723321G-040 1934.90	1	0	250
6	721321G-060 1920.02	722321G-060 1920.02	723321G-060 2566.34	1	0	250
8	721321G-080 2255.35	722321G-080 2255.35	723321G-080 3277.56	1	0	250
10	721321G-100 3984.73	722321G-100 3984.73	723321G-100 6388.83	1	0	250
12	721321G-120 4593.19	722321G-120 4593.19	723321G-120 7942.41	1	0	250

Valve Only

1-1/2	721301G-015 466.49	722301G-015 466.49	723301G-015 692.30	1	0	250
2	721301G-020 475.94	722301G-020 475.94	723301G-020 712.57	1	0	250

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 415



Thermoplastic Valves Lug Insert Butterfly Valves & True Lug Butterfly Valves - Zinc Plated Lugs

Lug Insert Butterfly Valves

PVC - SS Lug Inserts (continued)

Size	Buna-N			Std Pk	Mstr Pk	Disc Code
Valve Only						
2-1/2	721301G-025 519.21	722301G-025 519.21	723301G-025 727.45	1	0	250
3	721301G-030 527.32	722301G-030 527.32	723301G-030 753.14	1	0	250
4	721301G-040 945.14	722301G-040 945.14	723301G-040 1222.32	1	0	250
6	721301G-060 1252.07	722301G-060 1252.07	723301G-060 1753.71	1	0	250
8	721301G-080 1541.44	722301G-080 1541.44	723301G-080 2519.02	1	0	250
10	721301G-100 3139.65	722301G-100 3139.65	723301G-100 5063.72	1	0	250
12	721301G-120 3621.00	722301G-120 3621.00	723301G-120 6317.16	1	0	250

CPVC - SS Lug Inserts

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311G-015C 659.83	722311G-015C 659.83	723311G-015C 930.27	1	0	252
2	721311G-020C 667.95	722311G-020C 667.95	723311G-020C 942.43	1	0	252
2-1/2	721311G-025C 677.43	722311G-025C 677.43	723311G-025C 966.78	1	0	252
3	721311G-030C 690.94	722311G-030C 690.94	723311G-030C 976.23	1	0	252
4	721311G-040C 1234.50	722311G-040C 1234.50	723311G-040C 1581.98	1	0	252
6	721311G-060C 1611.73	722311G-060C 1611.73	723311G-060C 2281.04	1	0	252
8	721311G-080C 1997.10	722311G-080C 1997.10	723311G-080C 3268.10	1	0	252

Gear Operator

1-1/2	721321G-015C 1310.22	722321G-015C 1310.22	723321G-015C 1623.91	1	0	252
2	721321G-020C 1319.68	722321G-020C 1319.68	723321G-020C 1642.84	1	0	252
2-1/2	721321G-025C 1325.07	722321G-025C 1325.07	723321G-025C 1660.41	1	0	252
3	721321G-030C 1348.07	722321G-030C 1348.07	723321G-030C 1749.66	1	0	252
4	721321G-040C 1941.67	722321G-040C 1941.67	723321G-040C 2436.53	1	0	252
6	721321G-060C 1587.40	722321G-060C 2398.69	723321G-060C 3251.88	1	0	252

CPVC - SS Lug Inserts (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Gear Operator						
8	721321G-080C 2773.22	722321G-080C 2773.22	723321G-080C 4384.97	1	0	252
10	721321G-100C 5005.60	722321G-100C 5005.60	723321G-100C 8104.67	1	0	252
12	721321G-120C 5784.41	722321G-120C 5784.41	723321G-120C 9976.02	1	0	252

Valve Only

1-1/2	721301G-015C 624.68	722301G-015C 624.68	723301G-015C 908.64	1	0	252
2	721301G-020C 642.26	722301G-020C 642.26	723301G-020C 916.73	1	0	252
2-1/2	721301G-025C 649.03	722301G-025C 649.03	723301G-025C 945.14	1	0	252
3	721301G-030C 662.54	722301G-030C 662.54	723301G-030C 954.61	1	0	252
4	721301G-040C 1199.33	722301G-040C 1199.33	723301G-040C 1538.72	1	0	252
6	721301G-060C 1564.41	722301G-060C 1564.41	723301G-060C 2199.90	1	0	252
8	721301G-080C 1945.71	722301G-080C 1945.71	723301G-080C 3238.35	1	0	252
10	721301G-100C 3946.87	722301G-100C 3946.87	723301G-100C 6233.33	1	0	252
12	721301G-120C 4537.76	722301G-120C 4537.76	723301G-120C 7673.35	1	0	252

True Lug Butterfly Valves - Zinc Plated Lugs



Pressure Rating @ 73°F (23°C), Water

1-1/2" - 12" 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits

Section for Additional Options and Features

PVC - Zinc-Plated Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311Z-015 605.91	722311Z-015 605.91	723311Z-015 868.84	1	0	250
2	721311Z-020 619.70	722311Z-020 619.70	723311Z-020 902.56	1	0	250

PVC - Zinc-Plated Lugs (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
2-1/2	721311Z-025 656.36	722311Z-025 656.36	723311Z-025 931.54	1	0	250
3	721311Z-030 666.38	722311Z-030 666.38	723311Z-030 943.73	1	0	250

Thermoplastic Valves
True Lug Butterfly Valves - Zinc Plated Lugs & True Lug Butterfly Valves - SS Lugs



True Lug Butterfly Valves - Zinc Plated Lugs

PVC - Zinc-Plated Lugs (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Lever Handle

4	721311Z-040 1172.04	722311Z-040 1172.04	723311Z-040 1519.20	1	0	250
6	721311Z-060 1533.70	722311Z-060 1533.70	723311Z-060 2172.38	1	0	250
8	721311Z-080 1903.71	722311Z-080 1903.71	723311Z-080 3101.20	1	0	250

Gear Operator

1-1/2	721321Z-015 984.07	722321Z-015 984.07	723321Z-015 1250.67	1	0	250
2	721321Z-020 1005.06	722321Z-020 1005.06	723321Z-020 1272.44	1	0	250
2-1/2	721321Z-025 1053.27	722321Z-025 1053.27	723321Z-025 1319.15	1	0	250
3	721321Z-030 1065.63	722321Z-030 1065.63	723321Z-030 1352.16	1	0	250
4	721321Z-040 1556.46	722321Z-040 1556.46	723321Z-040 1937.96	1	0	250
6	721321Z-060 1920.76	722321Z-060 1920.76	723321Z-060 2567.54	1	0	250
8	721321Z-080 2256.59	722321Z-080 2256.59	723321Z-080 3367.59	1	0	250
10	721321Z-100 3987.96	722321Z-100 3987.96	723321Z-100 6387.37	1	0	250
12	721321Z-120 4596.29	722321Z-120 4596.29	723321Z-120 7676.48	1	0	250

Valve Only

1-1/2	721301Z-015 544.69	722301Z-015 544.69	723301Z-015 835.98	1	0	250
2	721301Z-020 599.54	722301Z-020 599.54	723301Z-020 857.48	1	0	250
2-1/2	721301Z-025 631.07	722301Z-025 631.07	723301Z-025 906.68	1	0	250
3	721301Z-030 639.36	722301Z-030 639.36	723301Z-030 915.21	1	0	250
4	721301Z-040 1147.67	722301Z-040 1147.67	723301Z-040 1486.91	1	0	250
6	721301Z-060 1522.39	722301Z-060 1522.38	723301Z-060 2133.98	1	0	250
8	721301Z-080 1869.65	722301Z-080 1869.65	723301Z-080 3058.98	1	0	250
10	721301Z-100 3815.88	722301Z-100 3815.88	723301Z-100 6152.90	1	0	250
12	721301Z-120 4399.95	722301Z-120 4399.95	723301Z-120 7011.30	1	0	250

CPVC - Zinc-Plated Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Lever Handle

1-1/2	721311Z-015C 789.90	722311Z-015C 789.90	723311Z-015C 1102.56	1	0	252
2	721311Z-020C 812.47	722311Z-020C 812.47	723311Z-020C 1126.82	1	0	252
2-1/2	721311Z-025C 822.35	722311Z-025C 822.35	723311Z-025C 1155.10	1	0	252

CPVC - Zinc-Plated Lugs (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Lever Handle

3	721311Z-030C 839.64	722311Z-030C 839.64	723311Z-030C 1184.39	1	0	252
4	721311Z-040C 1445.18	722311Z-040C 1445.18	723311Z-040C 1914.13	1	0	252
6	721311Z-060C 1934.01	722311Z-060C 1934.01	723311Z-060C 2700.32	1	0	252
8	721311Z-080C 2387.26	722311Z-080C 2387.26	723311Z-080C 3938.51	1	0	252

Gear Operator

1-1/2	721321Z-015C 1283.59	722321Z-015C 1283.59	723321Z-015C 1591.30	1	0	252
2	721321Z-020C 1306.96	722321Z-020C 1306.96	723321Z-020C 1623.44	1	0	252
2-1/2	721321Z-025C 1322.89	722321Z-025C 1322.89	723321Z-025C 1650.24	1	0	252
3	721321Z-030C 1331.91	722321Z-030C 1331.91	723321Z-030C 1691.61	1	0	252
4	721321Z-040C 1982.98	722321Z-040C 1982.98	723321Z-040C 2441.81	1	0	252
6	721321Z-060C 2420.14	722321Z-060C 2420.14	723321Z-060C 3247.93	1	0	252
8	721321Z-080C 2843.30	722321Z-080C 2843.30	723321Z-080C 4458.44	1	0	252
10	721321Z-100C 4921.14	722321Z-100C 4921.14	723321Z-100C 8009.65	1	0	252
12	721321Z-120C 5745.40	722321Z-120C 5745.40	723321Z-120C 8788.24	1	0	252

Valve Only

1-1/2	721301Z-015C 756.98	722301Z-015C 756.98	723301Z-015C 1086.12	1	0	252
2	721301Z-020C 783.04	722301Z-020C 783.04	723301Z-020C 1112.17	1	0	252
2-1/2	721301Z-025C 791.38	722301Z-025C 791.38	723301Z-025C 1137.83	1	0	252
3	721301Z-030C 801.96	722301Z-030C 801.96	723301Z-030C 1150.52	1	0	252
4	721301Z-040C 1376.21	722301Z-040C 1376.21	723301Z-040C 1872.04	1	0	252
6	721301Z-060C 1912.10	722301Z-060C 1912.10	723301Z-060C 2680.28	1	0	252
8	721301Z-080C 2338.90	722301Z-080C 2338.90	723301Z-080C 3648.19	1	0	252
10	721301Z-100C 4769.84	722301Z-100C 4769.84	723301Z-100C 7648.03	1	0	252
12	721301Z-120C 5499.94	722301Z-120C 5499.94	723301Z-120C 8279.01	1	0	252

True Lug Butterfly Valves - SS Lugs

PVC - Stainless Steel Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Lever Handle

1-1/2	721311L-015 691.49	722311L-015 691.49	723311L-015 1044.14	1	0	250
2	721311L-020 699.41	722311L-020 699.41	723311L-020 1054.05	1	0	250
2-1/2	721311L-025 769.14	722311L-025 769.14	723311L-025 1095.96	1	0	250
3	721311L-030 777.13	722311L-030 777.13	723311L-030 1107.72	1	0	250
4	721311L-040 1378.82	722311L-040 1378.82	723311L-040 1785.01	1	0	250

PVC - Stainless Steel Lugs (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	--------	------	--------	--------	---------	-----------

Lever Handle

6	721311L-060 1804.16	722311L-060 1804.16	723311L-060 2554.23	1	0	250
8	721311L-080 2230.63	722311L-080 2230.63	723311L-080 3648.47	1	0	250

Gear Operator

1-1/2	721321L-015 1161.81	722321L-015 1161.81	723321L-015 1459.67	1	0	250
2	721321L-020 1177.19	722321L-020 1177.19	723321L-020 1483.98	1	0	250

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Thermoplastic Valves True Lug Butterfly Valves - SS Lugs

PVC - Stainless Steel Lugs (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Gear Operator						
2-1/2	721321L-025 1239.14	722321L-025 1239.14	723321L-025 1551.94	1	0	250
3	721321L-030 1253.65	722321L-030 1253.65	723321L-030 1588.40	1	0	250
4	721321L-040 1828.89	722321L-040 1828.89	723321L-040 2277.69	1	0	250
6	721321L-060 2259.64	722321L-060 2259.64	723321L-060 3020.61	1	0	250
8	721321L-080 2654.29	722321L-080 2654.29	723321L-080 3857.61	1	0	250
10	721321L-100 4689.50	722321L-100 4689.50	723321L-100 7516.65	1	0	250
12	721321L-120 5405.07	722321L-120 5405.07	723321L-120 9345.51	1	0	250

Valve Only

1-1/2	721301L-015 665.98	722301L-015 665.98	723301L-015 989.02	1	0	250
2	721301L-020 679.99	722301L-020 679.99	723301L-020 1019.02	1	0	250
2-1/2	721301L-025 742.41	722301L-025 742.41	723301L-025 1038.64	1	0	250
3	721301L-030 752.12	722301L-030 752.12	723301L-030 1076.72	1	0	250
4	721301L-040 1349.96	722301L-040 1349.96	723301L-040 1746.31	1	0	250
6	721301L-060 1788.76	722301L-060 1788.76	723301L-060 2505.54	1	0	250
8	721301L-080 2201.76	722301L-080 2201.76	723301L-080 3598.72	1	0	250
10	721301L-100 4484.73	722301L-100 4484.73	723301L-100 7234.17	1	0	250
12	721301L-120 5173.52	722301L-120 5173.52	723301L-120 9026.64	1	0	250

CPVC - Stainless Steel Lugs

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Lever Handle						
1-1/2	721311L-015C 943.90	722311L-015C 943.90	723311L-015C 1330.81	1	0	252
2	721311L-020C 954.78	722311L-020C 954.78	723311L-020C 1347.97	1	0	252
2-1/2	721311L-025C 969.13	722311L-025C 969.13	723311L-025C 1380.90	1	0	252
3	721311L-030C 986.98	722311L-030C 986.98	723311L-030C 1395.70	1	0	252
4	721311L-040C 1764.89	722311L-040C 1764.89	723311L-040C 2261.61	1	0	252
6	721311L-060C 2305.35	722311L-060C 2305.35	723311L-060C 3259.19	1	0	252
8	721311L-080C 2855.17	722311L-080C 2855.17	723311L-080C 4670.06	1	0	252

Gear Operator

1-1/2	721321L-015C 1543.27	722321L-015C 1543.27	723321L-015C 1912.21	1	0	252
2	721321L-020C 1554.44	722321L-020C 1554.44	723321L-020C 1934.59	1	0	252
2-1/2	721321L-025C 1561.33	722321L-025C 1561.33	723321L-025C 1953.91	1	0	252
3	721321L-030C 1587.33	722321L-030C 1587.33	723321L-030C 2060.35	1	0	252
4	721321L-040C 2286.10	722321L-040C 2286.10	723321L-040C 2867.37	1	0	252
6	721321L-060C 2824.56	722321L-060C 2824.56	723321L-060C 3827.07	1	0	252
8	721321L-080C 3264.82	722321L-080C 3264.82	723321L-080C 5161.01	1	0	252
10	721321L-100C 5890.03	722321L-100C 5890.03	723321L-100C 9536.36	1	0	252
12	721321L-120C 6809.32	722321L-120C 6809.32	723321L-120C 11737.96	1	0	252

Valve Only

1-1/2	721301L-015C 892.91	722301L-015C 892.91	723301L-015C 1300.03	1	0	252
-------	------------------------	------------------------	-------------------------	---	---	-----

CPVC - Stainless Steel Lugs (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Valve Only						
2	721301L-020C 918.38	722301L-020C 918.38	723301L-020C 1309.98	1	0	252
2-1/2	721301L-025C 928.02	722301L-025C 928.02	723301L-025C 1351.49	1	0	252
3	721301L-030C 946.91	722301L-030C 946.91	723301L-030C 1364.20	1	0	252
4	721301L-040C 1713.94	722301L-040C 1713.94	723301L-040C 2200.35	1	0	252
6	721301L-060C 2235.96	722301L-060C 2235.96	723301L-060C 3144.46	1	0	252
8	721301L-080C 2780.81	722301L-080C 2780.81	723301L-080C 4448.03	1	0	252
10	721301L-100C 5640.38	722301L-100C 5640.38	723301L-100C 8905.26	1	0	252
12	721301L-120C 6484.05	722301L-120C 6484.05	723301L-120C 10963.79	1	0	252

Thermoplastic Valves Polypropylene Butterfly Valves & Large Diameter Butterfly Valves



Polypropylene Butterfly Valves



Lever Handle Style

Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi
Maximum Service Temperature
PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply
See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features

Lever Handle

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	721311-015P 479.21	722311-015P 479.21	723311-015P 995.52	1	0	256
2	721311-020P 484.05	722311-020P 484.05	723311-020P 1015.84	1	0	256
2-1/2	721311-025P 505.90	722311-025P 505.90	723311-025P 1033.17	1	0	256
3	721311-030P 516.60	722311-030P 516.60	723311-030P 1053.40	1	0	256
4	721311-040P 576.09	722311-040P 576.09	723311-040P 1315.32	1	0	256
6	721311-060P 900.17	722311-060P 900.17	723311-060P 2079.82	1	0	256
8	721311-080P 1530.85	722311-080P 1530.85	723311-080P 3531.49	1	0	256

Gear Operator

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	721321-020P 1377.88	722321-020P 1377.88	723321-020P 1751.52	1	0	256
2-1/2	721321-025P 1396.22	722321-025P 1396.22	723321-025P 1843.49	1	0	256
3	721321-030P 1423.13	722321-030P 1423.13	723321-030P 1936.81	1	0	256
4	721321-040P 1516.28	722321-040P 1516.28	723321-040P 2203.06	1	0	256
6	721321-060P 1771.23	722321-060P 1771.23	723321-060P 2981.33	1	0	256
8	721321-080P 2420.47	722321-080P 2420.47	723321-080P 4451.30	1	0	256

Gear Operator (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
10	721321-100P 3254.62	722321-100P 3254.62	723321-100P 7242.06	1	0	256
12	721321-120P 4506.98	722321-120P 4506.98	723321-120P 10584.19	1	0	256

Valve Only

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	721301-015P 442.88	722301-015P 442.88	723301-015P 878.52	1	0	256
2	721301-020P 451.91	722301-020P 451.91	723301-020P 894.48	1	0	256
2-1/2	721301-025P 469.26	722301-025P 469.26	723301-025P 927.50	1	0	256
3	721301-030P 483.85	722301-030P 483.85	723301-030P 951.80	1	0	256
4	721301-040P 553.54	722301-040P 553.54	723301-040P 1180.62	1	0	256
6	721301-060P 846.49	722301-060P 846.49	723301-060P 1909.59	1	0	256
8	721301-080P 1454.65	722301-080P 1454.65	723301-080P 3234.30	1	0	256
10	721301-100P 2905.46	722301-100P 2905.46	723301-100P 6481.34	1	0	256
12	721301-120P 3759.51	722301-120P 3759.51	723301-120P 9257.68	1	0	256

Large Diameter Butterfly Valves

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply

Contact Spears® for Custom Produced Valve Sizes 30" to 60"

Pressure Rating @ 73°F (23°C), Water



Size	Psi
14	100
16	85
18	70
20	50
24	50

PVC - Gear Operator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
14	722321-140 5759.39	723321-140 13996.15	1	0	251

CPVC - Gear Operator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
14	722321-140C 7881.51	723321-140C 19152.79	1	0	253



Thermoplastic Valves Large Diameter Butterfly Valves & Wafer Butterfly Valves

Large Diameter Butterfly Valves

Polypropylene - Gear Operator

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
14	722321-140P 6062.70	723321-140P 14732.91	1	0	257
16	722321-160P 23639.20	723321-160P 25605.47	1	0	257
18	722321-180P 26039.51	723321-180P 29834.86	1	0	257

Polypropylene - Gear Operator (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
20	722321-200P 29215.80	723321-200P 35512.53	1	0	257
24	722321-240P 33092.72	723321-240P 47739.89	1	0	257

Wafer Butterfly Valves



Lever Handle



Gear Operator

Wafer Butterfly Valve laying lengths will directly replace common Cast Iron valves (matches Keystone Model 228 and Bray Series 30 Butterfly Valves).

IMPORTANT NOTE

All PVC and CPVC valves have built-in Santoprene™ Thermoplastic Elastomer (TPE) Flange Gaskets for use with choice of Buna-N, EPDM, or Viton® Seats on PVC valves and choice of EPDM or Viton® Seats on CPVC valves.

Pressure Rating @ 73°F (23°C), Water
150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

PVC

Size	Buna-N Seat	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
Lever Handle						
2	751311-020 277.20	752311-020 277.20	753311-020 573.66	1	0	250
2-1/2	751311-025 294.29	752311-025 294.29	753311-025 582.20	1	0	250
3	751311-030 298.57	752311-030 298.57	753311-030 592.87	1	0	250
4	751311-040 345.51	752311-040 345.51	753311-040 742.16	1	0	250
6	751311-060 511.84	752311-060 511.84	753311-060 1185.74	1	0	250
8	751311-080 870.11	752311-080 870.11	753311-080 2008.94	1	0	250

Gear Operator

2	751321-020 784.83	752321-020 784.83	753321-020 1002.35	1	0	250
2-1/2	751321-025 795.45	752321-025 795.45	753321-025 1040.71	1	0	250
3	751321-030 808.28	752321-030 808.28	753321-030 1100.46	1	0	250
4	751321-040 848.79	752321-040 848.79	753321-040 1245.46	1	0	250
6	751321-060 1019.43	752321-060 1019.43	753321-060 1693.31	1	0	250
8	751321-080 1377.67	752321-080 1377.67	753321-080 2516.52	1	0	250

Valve Only

2	751301-020 258.03	752301-020 258.03	753301-020 509.70	1	0	250
2-1/2	751301-025 266.60	752301-025 266.60	753301-025 526.74	1	0	250
3	751301-030 272.99	752301-030 272.99	753301-030 537.41	1	0	250
4	751301-040 315.63	752301-040 315.63	753301-040 673.90	1	0	250

PVC (continued)

Size	Buna-N Seat	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
Valve Only						
6	751301-060 477.69	752301-060 477.69	753301-060 1091.91	1	0	250
8	751301-080 827.48	752301-080 827.48	753301-080 1842.59	1	0	250

CPVC

Size	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
Lever Handle					
2	752311-020C 379.60	753311-020C 744.30	1	0	252
2-1/2	752311-025C 403.09	753311-025C 808.28	1	0	252
3	752311-030C 439.33	753311-030C 865.84	1	0	252
4	752311-040C 507.59	753311-040C 1083.37	1	0	252
6	752311-060C 750.70	753311-060C 1731.73	1	0	252
8	752311-080C 1275.31	753311-080C 2930.26	1	0	252

Gear Operator

2	752321-020C 915.46	753321-020C 1246.83	1	0	252
2-1/2	752321-025C 929.20	753321-025C 1310.23	1	0	252
3	752321-030C 942.62	753321-030C 1369.16	1	0	252
4	752321-040C 1010.87	753321-040C 1586.69	1	0	252
6	752321-060C 1258.26	753321-060C 2235.01	1	0	252
8	752321-080C 1778.60	753321-080C 3433.56	1	0	252

Thermoplastic Valves Wafer Butterfly Valves & High Purity TFM-Lined Butterfly Valves



Wafer Butterfly Valves

CPVC

Size	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
Valve Only					
2	752301-020C 356.16	753301-020C 684.56	1	0	252
2-1/2	752301-025C 371.07	753301-025C 714.44	1	0	252
3	752301-030C 400.95	753301-030C 780.54	1	0	252

CPVC (continued)

Size	EPDM Seat	Viton® Seat	Std Pk	Mstr Pk	Disc Code
Valve Only					
4	752301-040C 464.91	753301-040C 985.31	1	0	252
6	752301-060C 699.49	753301-060C 1590.93	1	0	252
8	752301-080C 1211.31	753301-080C 2687.17	1	0	252

High Purity TFM-Lined Butterfly Valves



Pressure Rating @ 73°F (23°C), Water
2" - 6" 150 psi
Maximum Service Temperature
200°F (93°C)

TFM-Lined

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Viton® O-ring Seal

TFM PTFE Lined with backing O-rings, no fluid contact with elastomers or body

253322-020	2	1	0	254	2736.71
253322-030	3	1	0	254	2991.45
253322-040	4	1	0	254	3831.62
253322-060	6	1	0	254	5128.95

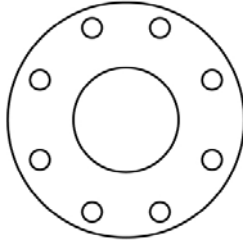


Thermoplastic Valves Butterfly Valve Accessories & Repair Kits

Flange Gaskets Selection Guide

Order Gaskets & Bolts Kits Separately

- 1/8" Full-Faced design with ANSI Class 150 Bolt Patterns
- Pressure Rated to 150 psi @ 73°F
- Available in Buna-N (Nitrile), EPDM, or Viton® (FKM)



Note: Do not order for Wafer Butterfly Valves. Gasket is Built-in.

Flange Size (in.)	Number of Bolt Holes	Gasket Part Number		
		Buna-N (Nitrile)	EPDM	Viton® (FKM)
1/2	4	GK1-005	GK2-005	GK3-005
3/4	4	GK1-007	GK2-007	GK3-007
1	4	GK1-010	GK2-010	GK3-010
1-1/4	4	GK1-012	GK2-012	GK3-012
1-1/2	4	GK1-015	GK2-015	GK3-015
2	4	GK1-020	GK2-020	GK3-020
2-1/2	4	GK1-025	GK2-025	GK3-025
3	4	GK1-030	GK2-030	GK3-030
4	8	GK1-040	GK2-040	GK3-040
5	8	GK1-050	GK2-050	GK3-050
6	8	GK1-060	GK2-060	GK3-060
8	8	GK1-080	GK2-080	GK3-080
10	12	GK1-100	GK2-100	GK3-100
12	12	GK1-120	GK2-120	GK3-120

EPDM Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK2-005	1/2	1	25	017	4.06
GK2-007	3/4	1	25	017	4.32
GK2-010	1	1	25	017	4.51
GK2-012	1-1/4	1	25	017	4.74
GK2-015	1-1/2	1	25	017	5.09
GK2-020	2	1	25	017	6.21
GK2-025	2-1/2	1	25	017	7.46
GK2-030	3	1	25	017	10.96
GK2-040	4	1	25	017	12.48
GK2-050	5	1	25	017	15.61
GK2-060	6	1	25	017	16.38
GK2-080	8	1	25	017	21.82
GK2-100	10	1	25	017	28.43
GK2-120	12	1	25	017	39.12

Viton® (FKM) Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK3-005	1/2	1	25	017	14.49
GK3-007	3/4	1	25	017	17.20
GK3-010	1	1	25	017	19.01
GK3-012	1-1/4	1	5	017	21.46
GK3-015	1-1/2	1	25	017	27.07
GK3-020	2	1	25	017	37.84
GK3-025	2-1/2	1	25	017	50.61
GK3-030	3	1	25	017	113.09
GK3-040	4	1	25	017	130.55
GK3-050	5	1	25	017	152.19
GK3-060	6	1	25	017	172.66
GK3-080	8	1	25	017	245.99
GK3-100	10	1	25	017	327.20
GK3-120	12	1	25	017	461.02

Buna-N Full-Faced Flange Gaskets

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK1-005	1/2	1	25	017	3.06
GK1-007	3/4	1	25	017	3.51
GK1-010	1	1	25	017	3.61

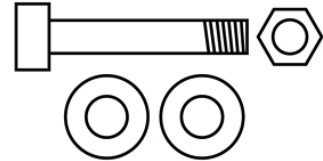
Buna-N Full-Faced Flange Gaskets (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GK1-012	1-1/4	1	25	017	3.70
GK1-015	1-1/2	1	25	017	3.97
GK1-020	2	1	25	017	4.44
GK1-025	2-1/2	1	25	017	4.88
GK1-030	3	1	25	017	7.51
GK1-040	4	1	25	017	8.40
GK1-050	5	1	25	017	9.96
GK1-060	6	1	25	017	10.23
GK1-080	8	1	25	017	13.49
GK1-100	10	1	25	017	17.12
GK1-120	12	1	25	017	23.09

Bolt Kit Selection Guide

Kit Contains All Bolts, Nuts, & Flat Washers for Specified Valve Size

- For Connecting Valve Between Two (2) Mating Spears® Flanges
- Pre-coated, Anti-seize Lubricated Bolts
- Available in Zinc Coated Steel, Type 304 Stainless Steel or Type 316



Order Gaskets separately for Standard valves; gaskets are already included with Wafer Butterfly Valves.

Standard Butterfly Valve Hardware Kit						
Valve Size (in.)	Bolts Per Kit	Bolt Diameter (in.-TPI)	Bolt Length (in.)	Hardware Kit Part Number		
				Zinc Plate Steel	Type 316 Stainless	Type 304 Stainless
1-1/2	4	1/2-13	4-1/2	BFHK-015	BFHK1-015	BFHK2-015
2	4	5/8-11	5	BFHK-020	BFHK1-020	BFHK2-020
2-1/2 & 3	4	5/8-11	5-1/2	BFHK-030	BFHK1-030	BFHK2-030
4	8	5/8-11	6	BFHK-040	BFHK1-040	BFHK2-040
6	8	3/4-10	7	BFHK-060	BFHK1-060	BFHK2-060
8	8	3/4-10	7-1/2	BFHK-080	BFHK1-080	BFHK2-080
10 & 12	12	7/8-9	8-1/2	BFHK-120	BFHK1-120	BFHK2-120

Wafer Butterfly Valve Hardware Kit						
Valve Size (in.)	Bolts Per Kit	Bolt Diameter (in.-TPI)	Bolt Length (in.)	Hardware Kit Part Number		
				Zinc Plate Steel	Type 316 Stainless	Type 304 Stainless
2	4	5/8-11	4-1/2	WBHK-020	WBHK1-020	WBHK2-020
2-1/2 & 3	4	5/8-11	5	WBHK-030	WBHK1-030	WBHK2-030
4	8	5/8-11	5-1/2	WBHK-040	WBHK1-040	WBHK2-040
6	8	3/4-10	6	WBHK-060	WBHK1-060	WBHK2-060
8	8	3/4-10	7	WBHK-080	WBHK1-080	WBHK2-080
10	12	7/8-9	7-1/2	WBHK-100	WBHK1-100	WBHK2-100
12	12	7/8-9	8	WBHK-120	WBHK1-120	WBHK2-120

Standard Butterfly Valve Bolt Kit - Zinc Plated

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BFHK-015	1-1/2	1	10	017	10.77
BFHK-020	2	1	10	017	14.59
BFHK-030	2-1/2 & 3	1	5	017	18.72
BFHK-040	4	1	5	017	36.96

For Connection of Valve Between 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

**Thermoplastic Valves
Butterfly Valve Accessories & Repair Kits**



Standard Butterfly Valve Bolt Kit - Zinc Plated (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

For Connection of Valve Between 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

BFHK-060	6	1	3	017	51.17
BFHK-080	8	1	3	017	53.51
BFHK-120	10 & 12	1	0	017	103.74

Standard Butterfly Valve Bolt Kit - Type 316 Stainless Steel

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

For Connection of Valve Between 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

BFHK1-015	1-1/2	1	10	017	37.80
BFHK1-020	2	1	10	017	52.87
BFHK1-030	2-1/2 & 3	1	10	017	62.93
BFHK1-040	4	1	5	017	288.44
BFHK1-060	6	1	3	017	337.52
BFHK1-080	8	1	3	017	395.10
BFHK1-120	10 & 12	1	0	017	647.88

Standard Butterfly Valve Bolt Kit - Type 304 Stainless Steel

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

For Connection of Valve Between 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

BFHK2-015	1-1/2	1	10	017	34.33
BFHK2-020	2	1	10	017	47.76
BFHK2-030	2-1/2 & 3	1	10	017	57.35
BFHK2-040	4	1	5	017	112.31
BFHK2-060	6	1	3	017	142.89
BFHK2-080	8	1	3	017	156.80
BFHK2-120	10 & 12	1	0	017	380.95

Wafer Butterfly Valve Bolt Kit - Zinc Plated

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

For Connection of Valve Between 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

Note: Do not order Gaskets, these are included with Wafer Butterfly Valves

WBHK-020	2	1	10	017	10.09
WBHK-030	2-1/2 & 3	1	10	017	11.67
WBHK-040	4	1	5	017	24.63
WBHK-060	6	1	3	017	37.94
WBHK-080	8	1	0	017	51.17
WBHK-100	10	1	0	017	88.70
WBHK-120	12	1	0	017	103.74

Wafer Butterfly Valve Bolt Kit - Type 316 Stainless Steel

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

For Connection of Valve Between 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

Note: Do not order Gaskets, these are included with Wafer Butterfly Valves

WBHK1-020	2	1	10	017	48.74
WBHK1-030	2-1/2 & 3	1	10	017	62.95
WBHK1-040	4	1	5	017	125.88
WBHK1-060	6	1	3	017	204.00
WBHK1-080	8	1	0	017	259.17
WBHK1-100	10	1	0	017	690.52
WBHK1-120	12	1	0	017	869.97

Wafer Butterfly Valve Bolt Kit - Type 304 Stainless Steel

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

For Connection of Valve Between 2-Spears® Flanges Includes Bolts, Nuts & Flat Washers

Note: Do not order Gaskets, these are included with Wafer Butterfly Valves

WBHK2-020	2	1	10	017	31.48
WBHK2-030	2-1/2 & 3	1	10	017	42.45
WBHK2-040	4	1	5	017	80.41
WBHK2-060	6	1	3	017	107.91
WBHK2-080	8	1	0	017	143.41
WBHK2-100	10	1	0	017	339.66
WBHK2-120	12	1	0	017	451.64

Gear Operator Kits



For Wafer Style Butterfly Valves, replace the "GO" prefix with "GOW" in the part number (e.g., GOW-020). Pricing is as indicated.

Contact Spears® for Kit Pricing and Availability on 14" & Larger Valves

Gear Operator Kits

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

GO-015	1-1/2	1	2	299	649.03
GO-020	2	1	2	299	649.03
GO-030	3	1	2	299	649.03
GO-040	4	1	2	299	649.03
GO-060	6	1	2	299	676.66
GO-080	8	1	2	299	676.66
GO-100	10	1	2	299	1213.52
GO-120	12	1	0	299	1213.52
GO-140	14-24	1	0	299	1460.41

Powder Coated

GOP-015	1-1/2	1	2	299	1044.38
GOP-020	2	1	2	299	1044.38
GOP-030	3	1	2	299	1044.38
GOP-040	4	1	2	299	1044.38
GOP-060	6	1	2	299	1072.01
GOP-080	8	1	2	299	1072.01
GOP-100	10	1	0	299	1608.87
GOP-120	12	1	0	299	1608.87



Thermoplastic Valves Butterfly Valve Accessories & Repair Kits

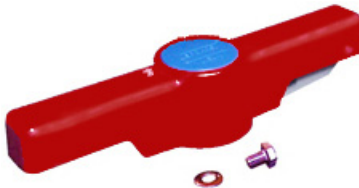
Lever Handle



Lever Handle Kits

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BFH-015	1-1/2	1	10	299	52.06
BFH-020	2 OR 2-1/2	1	10	299	52.06
BFH-030	3	1	10	299	55.33
BFH-040	4	1	10	299	65.56
BFH-060	6	1	10	299	122.98
BFH-080	8	1	10	299	159.87

T-Handle



T-Handle Kits

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BFTH-020	2	1	10	299	47.90
BFTH-030	3	1	10	299	55.33
BFTH-040	4	1	10	299	78.06

Speed Handle



Speed Handle For Gear Operator

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SH-120	1-1/2 - 12	10	0	299	95.59

Operator Nut



2" Operator Nuts

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
GTN-040	4	10	60	299	102.47

Note: Operator Nut is used with Valve Gear Operator. Size 4 fits all Butterfly valve sizes 1-1/2" through 24".

Stem Stop



Gear Operator Positive Stem Stop

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PSS-120	1-1/2 - 12	50	0	299	28.38

Lug Insert Sets



Lug Insert Sets (For PVC/CPVC Standard Valves Only)

Size	Stainless Steel	Zinc Plated	Std Pk	Mstr Pk	Disc Code
1-1/2	LUG1-015 430.36	LUG2-015 98.37	1	10	299
2 OR 2-1/2	LUG1-020 430.36	LUG2-020 98.37	1	10	299
3	LUG1-030 430.36	LUG2-030 98.37	1	10	299
4	LUG1-040 856.68	LUG2-040 196.73	1	5	299
6 OR 8	LUG1-080 1082.10	LUG2-080 401.70	1	5	299
10 OR 12	LUG1-120 2738.10	LUG2-120 819.80	1	5	299

Chainwheel Operators

For Wafer Style Butterfly Valves, replace the "CO" prefix with "COW" in the part number (e.g., COW-020). Pricing is as indicated.



Contact Spears®
for
larger sizes

Valve not
included

Order "valve only" (without operator)
for use with Chainwheel Operator.

How to Order Chain										
Required chain length is based on chain drop at 3 ft. from floor										
Floor-to-Chainwheel Height	7'	8'	9'	10'	11'	12'	13'	14'	15'	
Required Chain Length	10'	12'	14'	16'	18'	20'	22'	24'	26'	

Chainwheel Operators

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CO-020	2	1	2	299	1109.79
CO-025	2-1/2	1	0	299	1109.79
CO-030	3	1	2	299	1183.77
CO-040	4	1	2	299	1183.77
CO-060	6	1	2	299	1183.77
CO-080	8	1	2	299	1183.77
CO-100	10	1	0	299	1701.66
CO-120	12	1	0	299	1701.66

Lock-Link Chain for Chainwheel Operators (price per foot)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BC-1	BRASS	1	0	901	19.62
GC-1	HOT-DIP GALVANIZED	1	100	901	5.96

Thermoplastic Valves Butterfly Valve Accessories & Repair Kits



Lock-Link Chain for Chainwheel Operators (price per foot) (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SC-1	STAINLESS STEEL	1	0	901	41.89

Stem Extensions



Valve not included

Basic Stem Extension height is 24" and is manufactured in standard 6" increments (heights less than 24" are at the same price). Intermediate Stem Extension heights are available and are priced to the next full 6" increment. Stem Extensions over 120" in height are manufactured and shipped in 2-piece sections. Please contact your servicing Spears® Regional Distribution Center.

For Wafer Style Butterfly Valves, replace the "BFSE" prefix with "BFSEW" in the part number (e.g., BFSEW-020-240). Pricing is as indicated.

Contact Spears® for pricing and availability on Stem Extensions for 14" & Larger Butterfly Valves.

Stem Extensions

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BFSE-015-240	1-1/2X24	1	0	299	971.45
BFSE-015-300	1-1/2X30	1	0	299	1031.55
BFSE-015-360	1-1/2X36	1	0	299	1091.66
BFSE-015-420	1-1/2X42	1	0	299	1151.78
BFSE-015-480	1-1/2X48	1	0	299	1211.89
BFSE-015-540	1-1/2X54	1	0	299	1272.00
BFSE-015-600	1-1/2X60	1	0	299	1332.12
BFSE-015-660	1-1/2X66	1	0	299	1392.22
BFSE-015-720	1-1/2X72	1	0	299	1452.33
BFSE-015-780	1-1/2X78	1	0	299	1512.46
BFSE-015-840	1-1/2X84	1	0	299	1572.56
BFSE-015-900	1-1/2X90	1	0	299	1632.68
BFSE-015-960	1-1/2X96	1	0	299	1692.80
BFSE-015-1020	1-1/2X102	1	0	299	1752.90
BFSE-015-1080	1-1/2X108	1	0	299	1813.01
BFSE-015-1140	1-1/2X114	1	0	299	1873.12
BFSE-015-1200	1-1/2X120	1	0	299	1933.22
BFSE-020-240	2X24	1	0	299	971.45
BFSE-020-300	2X30	1	0	299	1031.55
BFSE-020-360	2X36	1	0	299	1091.66
BFSE-020-420	2X42	1	0	299	1151.78
BFSE-020-480	2X48	1	0	299	1211.89
BFSE-020-540	2X54	1	0	299	1272.00
BFSE-020-600	2X60	1	0	299	1332.12
BFSE-020-660	2X66	1	0	299	1392.22
BFSE-020-720	2X72	1	0	299	1452.33
BFSE-020-780	2X78	1	0	299	1512.43
BFSE-020-840	2X84	1	0	299	1572.56
BFSE-020-900	2X90	1	0	299	1632.68
BFSE-020-960	2X96	1	0	299	1692.80
BFSE-020-1020	2X102	1	0	299	1752.90
BFSE-020-1080	2X108	1	0	299	1813.01
BFSE-020-1140	2X114	1	0	299	1873.12
BFSE-020-1200	2X120	1	0	299	1933.22
BFSE-030-240	3X24	1	0	299	971.45
BFSE-030-300	3X30	1	0	299	1031.55
BFSE-030-360	3X36	1	0	299	1091.66

Stem Extensions (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BFSE-030-420	3X42	1	0	299	1151.78
BFSE-030-480	3X48	1	0	299	1211.89
BFSE-030-540	3X54	1	0	299	1272.00
BFSE-030-600	3X60	1	0	299	1332.12
BFSE-030-660	3X66	1	0	299	1392.22
BFSE-030-720	3X72	1	0	299	1494.95
BFSE-030-780	3X78	1	0	299	1512.46
BFSE-030-840	3X84	1	0	299	1572.56
BFSE-030-900	3X90	1	0	299	1632.68
BFSE-030-960	3X96	1	0	299	1692.80
BFSE-030-1020	3X102	1	0	299	1752.90
BFSE-030-1080	3X108	1	0	299	1813.01
BFSE-030-1140	3X114	1	0	299	1873.12
BFSE-030-1200	3X120	1	0	299	1933.22
BFSE-040-240	4X24	1	0	299	971.45
BFSE-040-300	4X30	1	0	299	1052.83
BFSE-040-360	4X36	1	0	299	1091.66
BFSE-040-420	4X42	1	0	299	1017.71
BFSE-040-480	4X48	1	0	299	1211.89
BFSE-040-540	4X54	1	0	299	1272.00
BFSE-040-600	4X60	1	0	299	1332.12
BFSE-040-660	4X66	1	0	299	1392.22
BFSE-040-720	4X72	1	0	299	1452.33
BFSE-040-780	4X78	1	0	299	1512.46
BFSE-040-840	4X84	1	0	299	1572.56
BFSE-040-900	4X90	1	0	299	1632.68
BFSE-040-960	4X96	1	0	299	1692.80
BFSE-040-1020	4X102	1	0	299	1752.90
BFSE-040-1080	4X108	1	0	299	1813.01
BFSE-040-1140	4X114	1	0	299	1873.12
BFSE-040-1200	4X120	1	0	299	1933.22
BFSE-060-240	6X24	1	0	299	971.45
BFSE-060-300	6X30	1	0	299	1031.55
BFSE-060-360	6X36	1	0	299	1091.66
BFSE-060-420	6X42	1	0	299	1151.78
BFSE-060-480	6X48	1	0	299	1211.89
BFSE-060-540	6X54	1	0	299	1272.00
BFSE-060-600	6X60	1	0	299	1332.12
BFSE-060-660	6X66	1	0	299	1392.22
BFSE-060-720	6X72	1	0	299	1452.33
BFSE-060-780	6X78	1	0	299	1512.46
BFSE-060-840	6X84	1	0	299	1572.56
BFSE-060-900	6X90	1	0	299	1632.68
BFSE-060-960	6X96	1	0	299	1692.80
BFSE-060-1020	6X102	1	0	299	1915.71
BFSE-060-1080	6X108	1	0	299	2057.14
BFSE-060-1140	6X114	1	0	299	2075.05
BFSE-060-1200	6X120	1	0	299	2109.77
BFSE-080-240	8X24	1	0	299	971.45
BFSE-080-300	8X30	1	0	299	1031.55
BFSE-080-360	8X36	1	0	299	1091.66
BFSE-080-420	8X42	1	0	299	1151.78
BFSE-080-480	8X48	1	0	299	1211.89
BFSE-080-540	8X54	1	0	299	1272.00
BFSE-080-600	8X60	1	0	299	1332.12
BFSE-080-660	8X66	1	0	299	1392.22
BFSE-080-720	8X72	1	0	299	1452.33
BFSE-080-780	8X78	1	0	299	1512.46
BFSE-080-840	8X84	1	0	299	1572.56
BFSE-080-900	8X90	1	0	299	1632.68
BFSE-080-960	8X96	1	0	299	1692.80
BFSE-080-1020	8X102	1	0	299	2009.91
BFSE-080-1080	8X108	1	0	299	2095.19
BFSE-080-1140	8X114	1	0	299	2132.99
BFSE-080-1200	8X120	1	0	299	2281.80
BFSE-100-240	10X24	1	0	299	1359.34



Thermoplastic Valves Butterfly Valve Accessories & Repair Kits

Stem Extensions (continued)

Butterfly Valve Seat Repair Kits

Important Repair & Overhaul Kit Ordering Note

Ongoing Butterfly Valve design improvements have resulted in variations to repair kits. Standard cataloged kits are for current 72 part number series, dry-stem type valve revision. Kits for previous revisions are available and can be determined by valve serial number. When ordering kits, please specify valve size, material (PVC, CPVC, PP), Standard, Lug or True Lug type valve, Buna-N, EPDM or Viton® elastomer material, and valve serial number stamped on the bottom of the valve body to insure proper kit selection. Stainless Steel Stems are normally not replaced, but can be ordered separately on request.

Seat Repair Kits for Standard Valve include:

- 1-Seat
- 1-Seat Carrier

Repair Kits for Wafer Valve include:

- 1-Seat
- 2-Flange Gaskets

Seat Repair Kits for 14" & Larger Valves include:

- 1-Seat

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BFSE-100-300	10X30	1	0	299	1448.67
BFSE-100-360	10X36	1	0	299	1560.50
BFSE-100-420	10X42	1	0	299	1613.43
BFSE-100-480	10X48	1	0	299	1779.36
BFSE-100-540	10X54	1	0	299	1945.27
BFSE-100-600	10X60	1	0	299	2111.16
BFSE-100-660	10X66	1	0	299	2277.09
BFSE-100-720	10X72	1	0	299	2443.01
BFSE-100-780	10X78	1	0	299	2608.91
BFSE-100-840	10X84	1	0	299	2774.82
BFSE-100-900	10X90	1	0	299	2940.77
BFSE-100-960	10X96	1	0	299	3106.64
BFSE-100-1020	10X102	1	0	299	3272.56
BFSE-100-1080	10X108	1	0	299	3438.47
BFSE-100-1140	10X114	1	0	299	3604.38
BFSE-100-1200	10X120	1	0	299	3770.29
BFSE-120-240	12X24	1	0	299	2351.06
BFSE-120-300	12X30	1	0	299	2411.45
BFSE-120-360	12X36	1	0	299	2483.16
BFSE-120-420	12X42	1	0	299	2567.68
BFSE-120-480	12X48	1	0	299	2709.56
BFSE-120-540	12X54	1	0	299	2709.47
BFSE-120-600	12X60	1	0	299	2794.33
BFSE-120-720	12X72	1	0	299	2964.89
BFSE-120-780	12X78	1	0	299	3040.99
BFSE-120-840	12X84	1	0	299	3106.44
BFSE-120-900	12X90	1	0	299	3106.64
BFSE-120-960	12X96	1	0	299	3292.84
BFSE-120-1020	12X102	1	0	299	3272.56
BFSE-120-1080	12X108	1	0	299	3438.47
BFSE-120-1140	12X114	1	0	299	3604.38
BFSE-120-1200	12X120	1	0	299	3770.29

PVC Standard Valve Seat Repair Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BRK-015 18.43	BF-ERK-015 18.47	BF-VRK-015 109.22	1	10	299
2	BF-BRK-020 19.26	BF-ERK-020 19.79	BF-VRK-020 115.35	1	10	299
2-1/2	BF-BRK-025 20.34	BF-ERK-025 20.37	BF-VRK-025 124.67	1	10	299
3	BF-BRK-030 21.17	BF-ERK-030 23.54	BF-VRK-030 134.27	1	10	299
4	BF-BRK-040 32.84	BF-ERK-040 36.51	BF-VRK-040 162.81	1	10	299
6	BF-BRK-060 70.01	BF-ERK-060 77.78	BF-VRK-060 417.45	1	10	299
8	BF-BRK-080 87.53	BF-ERK-080 97.23	BF-VRK-080 478.36	1	5	299
10	BF-BRK-100 114.91	BF-ERK-100 127.69	BF-VRK-100 573.10	1	10	299

PVC Standard Valve Seat Repair Kits (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
12	BF-BRK-120 156.64	BF-ERK-120 174.06	BF-VRK-120 673.12	1	10	299

CPVC Standard Valve Seat Repair Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BRK-015C 18.95	BF-ERK-015C 21.30	BF-VRK-015C 119.07	1	10	299
2	BF-BRK-020C 19.55	BF-ERK-020C 22.29	BF-VRK-020C 126.49	1	10	299
2-1/2	BF-BRK-025C 21.27	BF-ERK-025C 24.00	BF-VRK-025C 136.46	1	10	299
3	BF-BRK-030C 23.33	BF-ERK-030C 25.91	BF-VRK-030C 147.68	1	10	299
4	BF-BRK-040C 36.14	BF-ERK-040C 40.15	BF-VRK-040C 179.09	1	10	299
6	BF-BRK-060C 76.99	BF-ERK-060C 85.53	BF-VRK-060C 459.16	1	10	299
8	BF-BRK-080C 95.55	BF-ERK-080C 106.18	BF-VRK-080C 526.18	1	5	299
10	BF-BRK-100C 126.43	BF-ERK-100C 140.47	BF-VRK-100C 630.36	1	10	299
12	BF-BRK-120C 172.33	BF-ERK-120C 191.46	BF-VRK-120C 740.40	1	10	299

PP Standard Valve Seat Repair Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BRK-015P 19.47	BF-ERK-015P 22.41	BF-VRK-015P 125.65	1	10	299
2	BF-BRK-020P 20.61	BF-ERK-020P 23.93	BF-VRK-020P 131.71	1	10	299
2-1/2	BF-BRK-025P 23.69	BF-ERK-025P 25.83	BF-VRK-025P 139.79	1	10	299
3	BF-BRK-030P 25.39	BF-ERK-030P 27.52	BF-VRK-030P 156.79	1	10	299
4	BF-BRK-040P 37.65	BF-ERK-040P 43.07	BF-VRK-040P 186.76	1	10	299
6	BF-BRK-060P 79.82	BF-ERK-060P 92.73	BF-VRK-060P 469.93	1	10	299
8	BF-BRK-080P 117.68	BF-ERK-080P 131.06	BF-VRK-080P 553.07	1	10	299
10	BF-BRK-100P 136.86	BF-ERK-100P 156.49	BF-VRK-100P 640.37	1	10	299
12	BF-BRK-120P 212.07	BF-ERK-120P 236.00	BF-VRK-120P 764.02	1	10	299
14	---	BF-ERK-140P 1388.31	BF-VRK-140P 5647.04	1	15	299
16	---	BF-ERK-160P 2313.85	BF-VRK-160P 6415.62	1	15	299
18	---	BF-ERK-180P 3126.82	BF-VRK-180P 7546.22	1	15	299
20	---	BF-ERK-200P 3513.16	BF-VRK-200P 8982.21	1	15	299
24	---	BF-ERK-240P 5017.59	BF-VRK-240P 11974.67	1	15	299

PVC & CPVC Wafer Butterfly Valve Repair Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	BFW-BRK-020 13.48	BFW-ERK-020 13.85	BFW-VRK-020 80.75	1	10	299
2-1/2	BFW-BRK-025 14.24	BFW-ERK-025 14.26	BFW-VRK-025 87.27	1	10	299
3	BFW-BRK-030 14.82	BFW-ERK-030 16.48	BFW-VRK-030 93.99	1	10	299
4	BFW-BRK-040 22.99	BFW-ERK-040 25.56	BFW-VRK-040 113.97	1	10	299
6	BFW-BRK-060 49.01	BFW-ERK-060 54.45	BFW-VRK-060 292.22	1	10	299
8	BFW-BRK-080 61.27	BFW-ERK-080 68.06	BFW-VRK-080 334.85	1	10	299

Thermoplastic Valves Butterfly Valve Accessories & Repair Kits



Standard Valve Overhaul Kits

Standard Valve Overhaul Kits include:

- | | |
|----------------------|---------------------|
| 1-Seat | 1-Seal Carrier |
| 1-Disc Timing Stop | 1-Stem Nut |
| 1-Stem Bushing | 1-Hex Washer |
| 1-Lower Stem Bearing | 1-Round Washer |
| 2-Stem O-rings | 2-Bushing O-rings |
| 1-Upper Disc O-ring | 1-Lower Disc O-ring |

Kits with Disc option include additional replacement Disc

PVC Standard Valve Overhaul Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BOK-015 31.87	BF-EOK-015 36.12	BF-VOK-015 119.55	1	10	299
2	BF-BOK-020 41.31	BF-EOK-020 50.21	BF-VOK-020 135.66	1	10	299
2-1/2	BF-BOK-025 45.95	BF-EOK-025 60.93	BF-VOK-025 145.02	1	10	299
3	BF-BOK-030 54.06	BF-EOK-030 65.91	BF-VOK-030 158.99	1	10	299
4	BF-BOK-040 60.94	BF-EOK-040 76.48	BF-VOK-040 184.78	1	10	299
6	BF-BOK-060 84.67	BF-EOK-060 93.15	BF-VOK-060 452.22	1	10	299
8	BF-BOK-080 106.69	BF-EOK-080 133.68	BF-VOK-080 515.18	1	10	299
10	BF-BOK-100 153.24	BF-EOK-100 180.04	BF-VOK-100 593.59	1	10	299
12	BF-BOK-120 179.60	BF-EOK-120 207.38	BF-VOK-120 776.70	1	10	299

CPVC Standard Valve Overhaul Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BOK-015C 38.60	BF-EOK-015C 42.06	BF-VOK-015C 138.41	1	10	299
2	BF-BOK-020C 48.53	BF-EOK-020C 61.16	BF-VOK-020C 153.34	1	10	299
2-1/2	BF-BOK-025C 60.34	BF-EOK-025C 66.21	BF-VOK-025C 163.96	1	10	299
3	BF-BOK-030C 68.65	BF-EOK-030C 76.77	BF-VOK-030C 177.54	1	10	299
4	BF-BOK-040C 75.71	BF-EOK-040C 94.54	BF-VOK-040C 209.17	1	10	299
6	BF-BOK-060C 108.15	BF-EOK-060C 119.96	BF-VOK-060C 540.72	1	10	299
8	BF-BOK-080C 120.80	BF-EOK-080C 146.94	BF-VOK-080C 600.94	1	10	299
10	BF-BOK-100C 172.84	BF-EOK-100C 202.62	BF-VOK-100C 674.60	1	10	299
12	BF-BOK-120C 224.37	BF-EOK-120C 260.61	BF-VOK-120C 859.81	1	10	299

PP Standard Valve Overhaul Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BOK-015P 40.19	BF-EOK-015P 43.95	BF-VOK-015P 143.04	1	10	299
2	BF-BOK-020P 51.48	BF-EOK-020P 54.63	BF-VOK-020P 157.80	1	10	299
2-1/2	BF-BOK-025P 64.60	BF-EOK-025P 77.27	BF-VOK-025P 174.44	1	10	299
3	BF-BOK-030P 85.00	BF-EOK-030P 96.06	BF-VOK-030P 196.31	1	10	299
4	BF-BOK-040P 91.45	BF-EOK-040P 102.51	BF-VOK-040P 231.68	1	10	299
6	BF-BOK-060P 113.19	BF-EOK-060P 136.46	BF-VOK-060P 569.33	1	10	299
8	BF-BOK-080P 136.55	BF-EOK-080P 168.16	BF-VOK-080P 615.01	1	10	299
10	BF-BOK-100P 184.74	BF-EOK-100P 219.11	BF-VOK-100P 730.37	1	10	299

PP Standard Valve Overhaul Kits (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
12	BF-BOK-120P 253.96	BF-EOK-120P 277.68	BF-VOK-120P 895.50	1	10	299
14	---	BF-EOK-140P 1633.35	BF-VOK-140P 6136.93	1	15	299
16	---	BF-EOK-160P 2677.62	BF-VOK-160P 6904.33	1	15	299
18	---	BF-EOK-180P 3570.09	BF-VOK-180P 9203.97	1	15	299
20	---	BF-EOK-200P 4010.36	BF-VOK-200P 10957.01	1	15	299
24	---	BF-EOK-240P 5727.18	BF-VOK-240P 14608.22	1	15	299

PVC Standard Valve Overhaul Kits with Disc

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BOKD-015 40.93	BF-EOKD-015 45.17	BF-VOKD-015 127.59	1	10	299
2	BF-BOKD-020 56.89	BF-EOKD-020 67.10	BF-VOKD-020 157.51	1	10	299
2-1/2	BF-BOKD-025 59.85	BF-EOKD-025 73.38	BF-VOKD-025 170.01	1	10	299
3	BF-BOKD-030 64.88	BF-EOKD-030 93.01	BF-VOKD-030 192.41	1	10	299
4	BF-BOKD-040 71.23	BF-EOKD-040 102.61	BF-VOKD-040 230.66	1	10	299
6	BF-BOKD-060 108.23	BF-EOKD-060 121.67	BF-VOKD-060 508.55	1	10	299
8	BF-BOKD-080 143.16	BF-EOKD-080 195.59	BF-VOKD-080 570.46	1	10	299
10	BF-BOKD-100 244.70	BF-EOKD-100 277.31	BF-VOKD-100 630.81	1	10	299
12	BF-BOKD-120 300.11	BF-EOKD-120 319.50	BF-VOKD-120 829.79	1	10	299

CPVC Standard Valve Overhaul Kits with Disc

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BOKD-015C 44.21	BF-EOKD-015C 47.22	BF-VOKD-015C 144.04	1	10	299
2	BF-BOKD-020C 67.60	BF-EOKD-020C 77.07	BF-VOKD-020C 162.89	1	10	299
2-1/2	BF-BOKD-025C 74.12	BF-EOKD-025C 103.71	BF-VOKD-025C 187.19	1	10	299
3	BF-BOKD-030C 81.95	BF-EOKD-030C 107.40	BF-VOKD-030C 222.02	1	10	299
4	BF-BOKD-040C 87.27	BF-EOKD-040C 112.12	BF-VOKD-040C 285.29	1	10	299
6	BF-BOKD-060C 113.66	BF-EOKD-060C 141.46	BF-VOKD-060C 603.19	1	10	299
8	BF-BOKD-080C 172.59	BF-EOKD-080C 205.12	BF-VOKD-080C 648.24	1	10	299
10	BF-BOKD-100C 275.37	BF-EOKD-100C 305.20	BF-VOKD-100C 729.86	1	10	299
12	BF-BOKD-120C 318.29	BF-EOKD-120C 337.95	BF-VOKD-120C 937.95	1	10	299

PP Standard Valve Overhaul Kits with Disc

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BF-BOKD-015P 44.52	BF-EOKD-015P 51.77	BF-VOKD-015P 163.46	1	10	299
2	BF-BOKD-020P 71.79	BF-EOKD-020P 80.37	BF-VOKD-020P 184.70	1	10	299
2-1/2	BF-BOKD-025P 77.44	BF-EOKD-025P 117.40	BF-VOKD-025P 210.57	1	10	299
3	BF-BOKD-030P 83.83	BF-EOKD-030P 122.16	BF-VOKD-030P 246.38	1	10	299
4	BF-BOKD-040P 90.39	BF-EOKD-040P 127.69	BF-VOKD-040P 303.03	1	10	299
6	BF-BOKD-060P 118.38	BF-EOKD-060P 154.64	BF-VOKD-060P 644.76	1	10	299
8	BF-BOKD-080P 192.01	BF-EOKD-080P 224.51	BF-VOKD-080P 693.30	1	10	299
10	BF-BOKD-100P 293.67	BF-EOKD-100P 327.43	BF-VOKD-100P 787.83	1	10	299



Thermoplastic Valves Butterfly Valve Accessories & Repair Kits

PP Standard Valve Overhaul Kits with Disc (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
12	BF-BOKD-120P 329.67	BF-EOKD-120P 346.69	BF-VOKD-120P 1010.04	1	10	299
14	---	BF-EOKD-140P 2039.41	BF-VOKD-140P 6409.43	1	0	299
16	---	BF-EOKD-160P 3341.73	BF-VOKD-160P 7236.04	1	0	299
18	---	BF-EOKD-180P 4455.54	BF-VOKD-180P 9646.79	1	0	299
20	---	BF-EOKD-200P 5005.56	BF-VOKD-200P 11484.26	1	0	299
24	---	BF-EOKD-240P 7150.36	BF-VOKD-240P 15312.29	1	0	299

Wafer Butterfly Valve Overhaul Kits

Wafer Valve Overhaul Kits include:

- 1-Seat
- 2-Flange Gaskets
- 2-Stem Bushing O-rings
- 2-Stem Bushing Washers
- 2-Stem Bushings

Kits with Disc option include additional replacement Disc

PVC & CPVC Wafer Butterfly Valve Overhaul Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	BFW-BOK-020 28.92	BFW-EOK-020 35.15	BFW-VOK-020 94.96	1	10	299
2-1/2	BFW-BOK-025 32.17	BFW-EOK-025 42.65	BFW-VOK-025 101.51	1	10	299
3	BFW-BOK-030 37.84	BFW-EOK-030 46.14	BFW-VOK-030 111.29	1	10	299
4	BFW-BOK-040 42.66	BFW-EOK-040 53.54	BFW-VOK-040 129.35	1	10	299
6	BFW-BOK-060 59.27	BFW-EOK-060 65.21	BFW-VOK-060 316.55	1	10	299
8	BFW-BOK-080 74.68	BFW-EOK-080 93.58	BFW-VOK-080 360.63	1	10	299

PVC Wafer Butterfly Valve Overhaul Kits with Disc

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	BFW-BOKD-020 39.82	BFW-EOKD-020 46.97	BFW-VOKD-020 110.26	1	10	299
2-1/2	BFW-BOKD-025 41.90	BFW-EOKD-025 51.37	BFW-VOKD-025 119.01	1	10	299
3	BFW-BOKD-030 45.42	BFW-EOKD-030 65.11	BFW-VOKD-030 134.69	1	10	299
4	BFW-BOKD-040 49.86	BFW-EOKD-040 71.83	BFW-VOKD-040 161.46	1	10	299
6	BFW-BOKD-060 75.76	BFW-EOKD-060 85.17	BFW-VOKD-060 355.99	1	10	299
8	BFW-BOKD-080 100.21	BFW-EOKD-080 136.91	BFW-VOKD-080 399.32	1	10	299

CPVC Wafer Butterfly Valve Overhaul Kits with Disc

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2	BFW-EOKD-020C 53.95	BFW-VOKD-020C 114.02	1	10	299
2-1/2	BFW-EOKD-025C 72.60	BFW-VOKD-025C 131.03	1	10	299
3	BFW-EOKD-030C 75.18	BFW-VOKD-030C 155.41	1	10	299
4	BFW-EOKD-040C 78.48	BFW-VOKD-040C 199.70	1	10	299
6	BFW-EOKD-060C 99.02	BFW-VOKD-060C 422.23	1	10	299

CPVC Wafer Butterfly Valve Overhaul Kits with Disc (continued)

PVC True Lug Valve Overhaul Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
8	BFW-EOKD-080C 143.58	BFW-VOKD-080C 453.77	1	10	299

True Lug Valve Overhaul Kits include:

- 1-Seat
- 1-Disc Timing Stop
- 1-Stem Bushing
- 1-Lower Stem Bearing
- 2-Stem O-rings
- 1-Upper Disc O-ring
- 1-Seal Carrier Flange O-ring
- 1-Seal Carrier
- 1-Stem Nut
- 1-Hex Washer
- 1-Round Washer
- 2-Bushing O-rings
- 1-Lower Disc O-ring

Kits with Disc option include additional replacement Disc

PVC True Lug Valve Overhaul Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BFT-BOK-015 32.83	BFT-EOK-015 37.23	BFT-VOK-015 123.27	1	10	299
2	BFT-BOK-020 42.53	BFT-EOK-020 51.72	BFT-VOK-020 139.86	1	10	299
2-1/2	BFT-BOK-025 47.45	BFT-EOK-025 62.82	BFT-VOK-025 149.52	1	10	299
3	BFT-BOK-030 55.74	BFT-EOK-030 67.94	BFT-VOK-030 163.89	1	10	299
4	BFT-BOK-040 62.83	BFT-EOK-040 78.86	BFT-VOK-040 190.48	1	10	299
6	BFT-BOK-060 87.28	BFT-EOK-060 95.72	BFT-VOK-060 466.20	1	10	299
8	BFT-BOK-080 109.98	BFT-EOK-080 137.82	BFT-VOK-080 531.14	1	10	299
10	BFT-BOK-100 158.00	BFT-EOK-100 185.61	BFT-VOK-100 626.63	1	10	299
12	BFT-BOK-120 185.04	BFT-EOK-120 213.80	BFT-VOK-120 800.71	1	15	299

CPVC True Lug Valve Overhaul Kits

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BFT-BOK-015C 39.76	BFT-EOK-015C 43.36	BFT-VOK-015C 142.69	1	10	299
2	BFT-BOK-020C 50.02	BFT-EOK-020C 63.06	BFT-VOK-020C 158.09	1	10	299
2-1/2	BFT-BOK-025C 62.21	BFT-EOK-025C 68.29	BFT-VOK-025C 169.01	1	10	299
3	BFT-BOK-030C 70.77	BFT-EOK-030C 79.15	BFT-VOK-030C 183.03	1	10	299
4	BFT-BOK-040C 78.06	BFT-EOK-040C 97.48	BFT-VOK-040C 215.62	1	10	299
6	BFT-BOK-060C 111.45	BFT-EOK-060C 123.68	BFT-VOK-060C 557.41	1	10	299
8	BFT-BOK-080C 124.53	BFT-EOK-080C 151.47	BFT-VOK-080C 619.52	1	10	299
10	BFT-BOK-100C 178.21	BFT-EOK-100C 207.24	BFT-VOK-100C 695.45	1	10	299
12	BFT-BOK-120C 231.34	BFT-EOK-120C 283.01	BFT-VOK-120C 886.40	1	15	299

PVC True Lug Valve Overhaul Kits with Disc

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BFT-BOKD-015 42.19	BFT-EOKD-015 46.56	BFT-VOKD-015 131.48	1	10	299
2	BFT-BOKD-020 58.64	BFT-EOKD-020 69.17	BFT-VOKD-020 162.39	1	10	299
2-1/2	BFT-BOKD-025 61.68	BFT-EOKD-025 75.68	BFT-VOKD-025 175.29	1	10	299
3	BFT-BOKD-030 66.88	BFT-EOKD-030 95.84	BFT-VOKD-030 198.37	1	10	299
4	BFT-BOKD-040 73.43	BFT-EOKD-040 105.79	BFT-VOKD-040 237.78	1	10	299
6	BFT-BOKD-060 111.60	BFT-EOKD-060 125.30	BFT-VOKD-060 524.30	1	10	299

**Thermoplastic Valves
Butterfly Valve Accessories & Repair Kits**



PVC True Lug Valve Overhaul Kits with Disc (continued)

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
8	BFT-BOKD-080 147.59	BFT-EOKD-080 170.35	BFT-VOKD-080 588.10	1	10	299
10	BFT-BOKD-100 252.28	BFT-EOKD-100 285.88	BFT-VOKD-100 650.32	1	10	299
12	BFT-BOKD-120 309.39	BFT-EOKD-120 329.38	BFT-VOKD-120 855.48	1	10	299

CPVC True Lug Valve Overhaul Kits with Disc

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2	BFT-BOKD-015C 45.54	BFT-EOKD-015C 48.71	BFT-VOKD-015C 148.46	1	10	299
2	BFT-BOKD-020C 69.67	BFT-EOKD-020C 79.46	BFT-VOKD-020C 167.95	1	10	299
2-1/2	BFT-BOKD-025C 76.40	BFT-EOKD-025C 106.93	BFT-VOKD-025C 193.73	1	10	299
3	BFT-BOKD-030C 84.47	BFT-EOKD-030C 110.78	BFT-VOKD-030C 228.87	1	10	299
4	BFT-BOKD-040C 89.99	BFT-EOKD-040C 115.57	BFT-VOKD-040C 294.12	1	10	299
6	BFT-BOKD-060C 117.17	BFT-EOKD-060C 145.88	BFT-VOKD-060C 621.86	1	10	299
8	BFT-BOKD-080C 177.95	BFT-EOKD-080C 211.45	BFT-VOKD-080C 668.30	1	10	299
10	BFT-BOKD-100C 283.90	BFT-EOKD-100C 314.62	BFT-VOKD-100C 753.06	1	10	299
12	BFT-BOKD-120C 328.13	BFT-EOKD-120C 348.39	BFT-VOKD-120C 966.96	1	10	299

Contact Spears® for pricing on the following additional accessories:

- PTFE Seat Sleeves
- PTFE Coated Valve Stems



Thermoplastic Valves Globe Valves



Pressure Rating @ 73°F (23°C), Water
2-1/2" - 6" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
All Valves Assembled with Silicone-Free,
Water Soluble Lubricant
Suitable for Vacuum Service

Internal Repair Kit includes 1-Bonnet O-ring along with a factory assembled (required) internal component replacement unit consisting of Bonnet assembled with Stem/O-rings, Seat & Seal Carrier components. Install in valve using existing valve Bolts/Nuts/Washers, and Handle/Nut.

PVC Flanged Ends

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	6013-025 577.86	6023-025 611.54	6033-025 658.81	1	0	620
3	6013-030 662.40	6023-030 691.74	6033-030 769.81	1	0	620
4	6013-040 751.49	6023-040 898.36	6033-040 987.12	1	0	620
6	6013-060 1155.72	6023-060 1381.97	6033-060 1409.51	1	0	620

CPVC Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	6023-025C 927.20	6033-025C 973.79	1	0	622
3	6023-030C 973.34	6033-030C 1082.02	1	0	622
4	6023-040C 1264.14	6033-040C 1389.64	1	0	622
6	6023-060C 1968.31	6033-060C 1984.96	1	0	622

PVC Internal Repair Kit

Size	Buna-N	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	GL-BRK-025 192.23	GL-ERK-025 464.95	GL-VRK-025 517.13	1	0	299
3	GL-BRK-030 214.23	GL-ERK-030 515.16	GL-VRK-030 574.20	1	0	299
4	GL-BRK-040 251.35	GL-ERK-040 604.11	GL-VRK-040 664.20	1	0	299
6	GL-BRK-060 547.67	GL-ERK-060 928.30	GL-VRK-060 947.30	1	0	299

CPVC Internal Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2-1/2	GL-ERK-025C 654.71	GL-VRK-025C 727.47	1	0	299
3	GL-ERK-030C 748.96	GL-VRK-030C 822.46	1	0	299
4	GL-ERK-040C 849.24	GL-VRK-040C 934.62	1	0	299
6	GL-ERK-060C 1212.97	GL-VRK-060C 1334.74	1	0	299

Thermoplastic Valves Needle Valves



Pressure Rating @ 73°F (23°C), Water
PVC or CPVC 235 psi
PP 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
PP = 180°F (82°C)
Solid PTFE Stem Seals
No Elastomer or Lubricants used
Valves include Panel Mounting Nut

PVC Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
------	----------	--------	-------------	--------	---------	-----------

Globe Pattern

1/4	5591-002 67.71	5592-002 67.71	---	1	18	218
3/8	5591-003 67.71	5592-003 67.71	5591-003SR 61.76	1	18	218
1/2	5591-005 75.15	5592-005 75.15	5591-005SR 77.17	1	18	218

Angle Pattern

1/4	5691-002 67.71	5692-002 67.71	---	1	18	218
3/8	5691-003 67.71	5692-003 67.71	---	1	18	218
1/2	5691-005 75.15	5692-005 75.15	5691-005SR 77.17	1	18	218

CPVC Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
------	----------	--------	-------------	--------	---------	-----------

Globe Pattern

1/4	5591-002C 79.74	5592-002C 79.74	---	1	18	219
3/8	5591-003C 79.74	5592-003C 79.74	5591-003CSR 79.56	1	18	219
1/2	5591-005C 84.33	5592-005C 84.33	5591-005CSR 86.49	1	18	219

Angle Pattern

1/4	5691-002C 79.74	5692-002C 79.74	---	1	18	219
3/8	5691-003C 79.74	5692-003C 79.74	---	1	18	219
1/2	5691-005C 84.33	5692-005C 84.33	5691-005CSR 86.49	1	18	219

PP Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
------	----------	--------	-------------	--------	---------	-----------

Globe Pattern

1/4	5591-002P 74.61	---	---	1	18	219
3/8	5591-003P 74.61	---	---	1	18	219
1/2	---	---	5591-005PSR 82.51	1	18	219

Angle Pattern

1/4	5691-002P 74.61	---	---	1	18	219
3/8	5691-003P 74.61	---	---	1	18	219
1/2	---	---	5691-005PSR 82.51	1	18	219



Thermoplastic Valves Diaphragm Valves



Socket/Threaded Style



Flanged Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 235 psi
 1/2" - 4" Flanged
 & Valves w/PTFE 150 psi
 Diaphragms
 6" 100 psi
 8" 75 psi

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply
 No Lubricants in Media Contact Area
 See Diaphragm Valve Repair Kits Section
 for Additional Options and Features

Contact Spears® for Pricing on
 Additional Specialty Diaphragms

- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings
 (for True Union Style Valves)



Spigot Style



PP Thread Style

PVC - Socket Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2729-005 131.26	2739-005 145.84	2729T-005 209.22	2739T-005 232.14	2739VT-005 286.34	1	12	270
3/4	2729-007 148.98	2739-007 165.55	2729T-007 223.43	2739T-007 250.72	2739VT-007 309.55	1	8	270
1	2729-010 183.61	2739-010 201.76	2729T-010 322.33	2739T-010 334.12	2739VT-010 394.32	1	8	270
1-1/4	2729-012 274.85	2739-012 326.80	2729T-012 443.12	2739T-012 469.70	2739VT-012 531.44	1	4	270
1-1/2	2729-015 288.90	2739-015 334.33	2729T-015 473.06	2739T-015 496.73	2739VT-015 550.78	1	4	270
2	2729-020 341.79	2739-020 405.04	2729T-020 539.43	2739T-020 566.53	2739VT-020 690.85	1	0	270

PVC - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2721-005SR 131.26	2731-005SR 145.84	2721T-005SR 209.22	2731T-005SR 232.14	2731VT-005SR 286.34	1	12	270
3/4	2721-007SR 148.98	2731-007SR 165.55	2721T-007SR 223.43	2731T-007SR 250.72	2731VT-007SR 309.55	1	8	270
1	2721-010SR 183.61	2731-010SR 201.76	2721T-010SR 322.33	2731T-010SR 334.12	2731VT-010SR 394.32	1	8	270
1-1/4	2721-012SR 274.85	2731-012SR 326.80	2721T-012SR 443.12	2731T-012SR 469.70	2731VT-012SR 531.44	1	4	270
1-1/2	2721-015SR 288.90	2731-015SR 334.33	2721T-015SR 473.06	2731T-015SR 496.73	2731VT-015SR 550.78	1	4	270
2	2721-020SR 341.79	2731-020SR 405.04	2721T-020SR 539.43	2731T-020SR 566.53	2731VT-020SR 690.85	1	0	270

PVC - Spigot Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2727-005 127.96	2737-005 142.16	2797T-005 202.02	2797VT-005 233.82	1	12	270
3/4	2727-007 144.17	2737-007 159.55	2797T-007 215.56	2797VT-007 256.72	1	8	270
1	2727-010 178.94	2737-010 194.87	2797T-010 314.69	2797VT-010 366.35	1	8	270
1-1/4	2727-012 266.05	2737-012 320.47	2797T-012 432.82	2797VT-012 480.89	1	4	270
1-1/2	2727-015 281.69	2737-015 325.97	2797T-015 461.30	2797VT-015 526.90	1	4	270
2	2727-020 331.18	2737-020 391.06	2797T-020 523.24	2797VT-020 644.09	1	0	270

Thermoplastic Valves Diaphragm Valves



PVC - Flanged Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2723-005 209.59	2733-005 226.89	2793T-005 286.34	2793VT-005 314.31	4	0	270
3/4	2723-007 235.51	2733-007 241.47	2793T-007 309.55	2793VT-007 349.21	4	0	270
1	2723-010 264.96	2733-010 296.32	2793T-010 394.32	2793VT-010 442.23	4	0	270
1-1/4	2723-012 359.91	2733-012 398.44	2793T-012 531.44	2793VT-012 586.63	1	4	270
1-1/2	2723-015 364.22	2733-015 406.63	2793T-015 550.78	2793VT-015 612.03	1	4	270
2	2723-020 432.93	2733-020 463.14	2793T-020 617.71	2793VT-020 706.19	1	0	270
2-1/2	2723-025 604.73	2733-025 691.23	2793T-025 955.18	2793VT-025 1094.04	1	0	271
3	2723-030 808.54	2733-030 898.44	2793T-030 1252.55	2793VT-030 1385.94	1	0	271
4	2723-040 1120.00	2733-040 1221.34	2793T-040 1735.76	2793VT-040 1928.56	1	0	271
6	2723-060 2705.80	2733-060 3167.98	2793T-060 4494.84	2793VT-060 4939.44	1	0	271
8	2723-080 5410.06	2733-080 5700.85	2793T-080 6670.97	2793VT-080 7494.49	1	0	271

CPVC - Socket Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2729-005C 232.39	2739-005C 297.83	2729T-005C 334.05	2739T-005C 359.62	2739VT-005C 397.76	1	12	272
3/4	2729-007C 258.64	2739-007C 317.54	2729T-007C 368.93	2739T-007C 385.63	2739VT-007C 426.53	1	8	272
1	2729-010C 298.51	2739-010C 386.12	2729T-010C 448.55	2739T-010C 467.90	2739VT-010C 513.88	1	8	272
1-1/4	2729-012C 448.36	2739-012C 533.47	2729T-012C 619.02	2739T-012C 640.91	2739VT-012C 697.17	1	4	272
1-1/2	2729-015C 461.63	2739-015C 540.04	2729T-015C 628.63	2739T-015C 664.96	2739VT-015C 718.56	1	4	272
2	2729-020C 491.70	2739-020C 616.34	2729T-020C 691.28	2739T-020C 766.02	2739VT-020C 847.27	1	0	272

CPVC - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2721-005CSR 232.39	2731-005CSR 297.83	2721T-005CSR 334.05	2731T-005CSR 359.62	2731VT-005CSR 397.76	1	12	272
3/4	2721-007CSR 258.64	2731-007CSR 317.54	2721T-007CSR 368.93	2731T-007CSR 385.63	2731VT-007CSR 426.53	1	8	272
1	2721-010CSR 298.51	2731-010CSR 386.12	2721T-010CSR 448.55	2731T-010CSR 467.90	2731VT-010CSR 513.88	1	8	272
1-1/4	2721-012CSR 448.36	2731-012CSR 533.47	2721T-012CSR 619.02	2731T-012CSR 640.91	2731VT-012CSR 697.17	1	4	272
1-1/2	2721-015CSR 461.63	2731-015CSR 540.04	2721T-015CSR 628.63	2731T-015CSR 664.96	2731VT-015CSR 718.56	1	4	272
2	2721-020CSR 491.70	2731-020CSR 616.34	2721T-020CSR 691.28	2731T-020CSR 766.02	2731VT-020CSR 847.27	1	0	272

CPVC - Spigot Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2727-005C 226.54	2737-005C 288.47	2797T-005C 324.63	2797VT-005C 362.63	1	12	272
3/4	2727-007C 251.47	2737-007C 307.69	2797T-007C 357.78	2797VT-007C 395.79	1	8	272
1	2727-010C 292.12	2737-010C 375.32	2797T-010C 437.19	2797VT-010C 481.81	1	8	272
1-1/4	2727-012C 437.04	2737-012C 518.85	2797T-012C 602.41	2797VT-012C 667.43	1	4	272
1-1/2	2727-015C 446.77	2737-015C 524.27	2797T-015C 612.82	2797VT-015C 678.18	1	4	272
2	2727-020C 479.30	2737-020C 600.52	2797T-020C 673.69	2797VT-020C 744.67	1	0	272



Thermoplastic Valves Diaphragm Valves & Tee-Style "Zero Dead-Leg" Diaphragm Valves

CPVC - Flanged Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2723-005C 280.98	2733-005C 310.30	2793T-005C 405.03	2793VT-005C 449.23	4	0	272
3/4	2723-007C 314.17	2733-007C 347.01	2793T-007C 433.04	2793VT-007C 479.03	4	0	272
1	2723-010C 386.86	2733-010C 432.62	2793T-010C 532.13	2793VT-010C 590.23	4	0	272
1-1/4	2723-012C 494.27	2733-012C 566.24	2793T-012C 671.71	2793VT-012C 742.51	1	4	272
1-1/2	2723-015C 500.83	2733-015C 580.17	2793T-015C 802.37	2793VT-015C 883.81	1	4	272
2	2723-020C 560.91	2733-020C 629.06	2793T-020C 891.54	2793VT-020C 990.14	1	0	272
2-1/2	2723-025C 1018.93	2733-025C 1137.95	2793T-025C 1759.59	2793VT-025C 2081.02	1	0	273
3	2723-030C 1537.84	2733-030C 1708.70	2793T-030C 2314.74	2793VT-030C 2559.87	1	0	273
4	2723-040C 2111.91	2733-040C 2346.07	2793T-040C 3076.83	2793VT-040C 3282.69	1	0	273
6	2723-060C 3865.85	2733-060C 5543.20	2793T-060C 6765.99	2793VT-060C 8816.48	1	0	273
8	2723-080C 7727.12	2733-080C 9978.37	2793T-080C 10090.10	2793VT-080C 11210.35	1	0	273

PP - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	Viton® Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & EPDM Backed PTFE Diaphragm	Viton® Seals & Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
1/2	2721-005PSR 134.82	2731-005PSR 149.99	2721T-005PSR 215.53	2731T-005PSR 226.88	2731VT-005PSR 256.59	1	12	280
3/4	2721-007PSR 153.55	2731-007PSR 170.35	2721T-007PSR 225.65	2731T-007PSR 239.43	2731VT-007PSR 281.09	1	8	280
1	2721-010PSR 189.94	2731-010PSR 209.28	2721T-010PSR 328.95	2731T-010PSR 346.06	2731VT-010PSR 365.13	1	8	280
1-1/4	2721-012PSR 288.47	2731-012PSR 321.22	2721T-012PSR 450.38	2731T-012PSR 472.19	2731VT-012PSR 524.01	1	4	280
1-1/2	2721-015PSR 301.74	2731-015PSR 334.96	2721T-015PSR 480.29	2731T-015PSR 503.60	2731VT-015PSR 542.39	1	4	280
2	2721-020PSR 350.94	2731-020PSR 390.00	2721T-020PSR 547.97	2731T-020PSR 574.95	2731VT-020PSR 624.86	1	0	280

PP - Flanged Ends

Size	EPDM Diaphragm	Viton® Diaphragm	EPDM Backed PTFE Diaphragm	Viton® Backed PTFE Diaphragm	Std Pk	Mstr Pk	Disc Code
2-1/2	2723-025P 646.52	2733-025P 714.46	2793T-025P 1017.22	2793VT-025P 1136.01	1	0	281
3	2723-030P 924.44	2733-030P 1021.38	2793T-030P 1406.76	2793VT-030P 1568.65	1	0	281
4	2723-040P 1330.17	2733-040P 1464.46	2793T-040P 1875.24	2793VT-040P 2079.93	1	0	281
6	2723-060P 3291.95	2733-060P 3657.72	2793T-060P 4699.95	2793VT-060P 5312.49	1	0	281
8	2723-080P 8195.43	2733-080P 7378.19	2793T-080P 8531.82	2793VT-080P 14376.83	1	0	281

Thermoplastic Valves Tee-Style "Zero Dead-Leg" Diaphragm Valves



Valves are produced to order in Diaphragm Valve sizes 1/2" - 2" and virtually any user specified Mainline Socket Tee size available.

Tee-Style Valve material options include PVC, CPVC, or Low Extractable PVC.

Valve End Connection options include Spigot, Socket & Thread, or patented Special Reinforced (SR) Female Plastic Thread.

Diaphragm Options include EPDM, Viton®, PTFE with bonded EPDM backing, or PTFE with bonded Viton® backing.

Pressure Rating @ 73°F (23°C), Water
Valve Sizes 1/2" - 2" (20mm - 63mm)
235 psi with Elastomer Diaphragms
150 psi with PTFE Diaphragms

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply

CONTACT SPEARS® FOR SELECTION ASSISTANCE & PRICING

Quick View Selection Chart

The following Base Part Numbers must be completed according to desired configuration size. Contact Spears® for the appropriate Tee size x Valve size code designations to replace the "xxx" in each.

Diaphragm Material	PVC Base Part Number			Pressure Rating @ 73°F (23°C)
	Spigot	Socket & Threaded	SR Threaded	
EPDM	2727ZD-xxx	2729ZD-xxx	2721ZD-xxxSR	1/2" – 2" 235 psi
Viton®	2737ZD-xxx	2739ZD-xxx	2731ZD-xxxSR	
PTFE, EPDM Backing	2797TZD-xxx	2729TZD-xxx	2721TZD-xxxSR	1/2" – 2" 150 psi
PTFE Viton® Backing	2797VTZD-xxx	2739VTZD-xxx	2731VTZD-xxxSR	

Diaphragm Material	CPVC Base Part Number			Pressure Rating @ 73°F (23°C)
	Spigot	Socket & Threaded	SR Threaded	
EPDM	2727ZD-xxxC	2729ZD-xxxC	2721ZD-xxxCSR	1/2" – 2" 235 psi
Viton®	2737ZD-xxxC	2739ZD-xxxC	2731ZD-xxxCSR	
PTFE, EPDM Backing	2797TZD-xxxC	2729TZD-xxxC	2721TZD-xxxCSR	1/2" – 2" 150 psi
PTFE Viton® Backing	2797VTZD-xxxC	2739VTZD-xxxC	2731VTZD-xxxCSR	

Diaphragm Material	Low Extractable PVC Base Part Number			Pressure Rating @ 73°F (23°C)
	Spigot	Socket & Threaded	SR Threaded	
EPDM	2727ZD-xxxBL	2729ZD-xxxBL	2721ZD-xxxSRBL	1/2" – 2" 235 psi
Viton®	2737ZD-xxxBL	2739ZD-xxxBL	2731ZD-xxxSRBL	
PTFE, EPDM Backing	2797TZD-xxxBL	2729TZD-xxxBL	2721TZD-xxxSRBL	1/2" – 2" 150 psi
PTFE Viton® Backing	2797VTZD-xxxBL	2739VTZD-xxxBL	2731VTZD-xxxSRBL	

Note: Low Extractable PVC Valves are typically used with elastomer backed PTFE Diaphragms to maintain purity in most applications. Tee-Style Zero Dead-Leg Diaphragm Valves are a non-stock configuration. All orders are non-cancelable, non-returnable.



Thermoplastic Valves Diaphragm Valve Repair Kits

True Union Style Diaphragm Valve Repair Kits

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
O-rings & Elastomer Diaphragm					
1/2	DV-ERK-005 45.79	DV-VRK-005 100.13	1	10	299
3/4	DV-ERK-007 51.99	DV-VRK-007 108.53	1	10	299
1	DV-ERK-010 65.04	DV-VRK-010 120.50	1	10	299
1-1/4 OR 1-1/2	DV-ERK-015 89.73	DV-VRK-015 203.71	1	10	299
2	DV-ERK-020 106.79	DV-VRK-020 242.39	1	10	299

O-rings & EPDM Backed PTFE Diaphragm

1/2	DV-TERK-005 121.88	DV-TVVRK-005 127.07	1	10	299
3/4	DV-TERK-007 136.03	DV-TVVRK-007 141.17	1	10	299
1	DV-TERK-010 164.13	DV-TVVRK-010 166.11	1	10	299
1-1/4 OR 1-1/2	DV-TERK-015 224.85	DV-TVVRK-015 227.55	1	10	299
2	DV-TERK-020 262.23	DV-TVVRK-020 269.66	1	10	299

O-rings & Viton® Backed PTFE Diaphragm

1/2	DV-VTERK-005 140.33	DV-VTVVRK-005 156.74	1	10	299
3/4	DV-VTERK-007 147.10	DV-VTVVRK-007 166.13	1	10	299
1	DV-VTERK-010 180.88	DV-VTVVRK-010 201.11	1	10	299
1-1/4 OR 1-1/2	DV-VTERK-015 315.78	DV-VTVVRK-015 327.09	1	5	299
2	DV-VTERK-020 321.07	DV-VTVVRK-020 463.90	1	5	299

Diaphragm Only - Elastomer

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	27-39-00541A 36.55	27-39-00542A 78.48	1	0	901
3/4	27-39-00741A 59.57	27-39-00742A 97.00	1	0	901
1	27-39-01041A 52.73	27-39-01042A 122.74	1	0	901
1-1/4 OR 1-1/2	27-39-01541 59.29	27-39-01542 159.85	1	0	901
2	27-39-02041 85.57	27-39-02042 196.71	1	0	901
3	27-39-03041 176.16	27-39-03042 501.70	1	0	901
4	27-39-04041 201.32	27-39-04042 855.19	1	0	901
6	27-39-06041 434.39	27-39-06042 2700.62	1	0	901
8	27-39-08041 707.45	27-39-08042 4884.09	1	0	901

Diaphragm Only - PTFE with Elastomer Backing

Size	PTFE/EPDM	PTFE/Viton®	Std Pk	Mstr Pk	Disc Code
1/2	27-39-00565A 105.85	27-39-00566A 122.00	100	0	299
3/4	27-39-00765A 118.41	27-39-00766A 127.14	25	0	299
1	27-39-01065A 132.07	27-39-01066A 157.01	25	0	299
1-1/4 OR 1-1/2	27-39-01565 196.40	27-39-01566 319.81	100	0	299
2	27-39-02065 228.74	27-39-02066 360.32	100	0	299
3	27-39-03065 627.60	27-39-03066 778.38	15	0	299
4	27-39-04065 1218.99	27-39-04066 1338.61	10	0	299
6	27-39-06065 2693.80	27-39-06066 2995.24	1	5	299

Diaphragm Only - PTFE with Elastomer Backing (continued)

Size	PTFE/EPDM	PTFE/Viton®	Std Pk	Mstr Pk	Disc Code
8	27-39-08065 4883.70	27-39-08066 5379.49	1	0	299

True Union Diaphragm Repair Kits include:

- 1-Diaphragm
- 2-End Connector O-rings
- Contact Spears® for Pricing on Additional Specialty Diaphragms
- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings (for True Union Style Valves)

Thermoplastic Valves Y-Pattern Valves



Socket Style

Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" 150 psi
 3" - 4" 90 psi
 Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)
 Temperature/Pressure De-ratings Apply



True Union Style

PVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005 79.57	1732-005 84.18	1	12	620
3/4	1722-007 93.36	1732-007 99.48	1	8	620
1	1722-010 111.71	1732-010 119.36	1	8	620
1-1/4	1722-012 136.21	1732-012 149.99	1	4	620
1-1/2	1722-015 182.12	1732-015 192.83	1	0	620
2	1722-020 258.64	1732-020 275.49	2	0	620
3	1722-030 557.07	1732-030 606.05	1	0	620
4	1722-040 945.80	1732-040 1029.99	1	0	620

PVC Clear - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005CL 79.57	1732-005CL 84.18	1	12	621
3/4	1722-007CL 93.36	1732-007CL 99.48	1	8	621
1	1722-010CL 111.71	1732-010CL 119.36	1	8	621
1-1/4	1722-012CL 136.21	1732-012CL 149.99	1	4	621
1-1/2	1722-015CL 182.12	1732-015CL 192.83	1	0	621
2	1722-020CL 258.64	1732-020CL 275.49	2	0	621
3	1722-030CL 557.07	1732-030CL 606.05	1	0	621
4	1722-040CL 945.80	1732-040CL 1029.99	1	0	621

PVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005SR 82.64	1731-005SR 87.24	1	8	620
3/4	1721-007SR 97.94	1731-007SR 104.07	1	8	620
1	1721-010SR 117.85	1731-010SR 125.50	1	8	620
1-1/4	1721-012SR 160.68	1731-012SR 169.87	1	0	620
1-1/2	1721-015SR 197.41	1731-015SR 206.61	1	0	620
2	1721-020SR 278.54	1731-020SR 292.32	1	0	620
3	1721-030SR 598.39	1731-030SR 647.37	1	0	620
4	1721-040SR 988.66	1731-040SR 1072.82	1	0	620

PVC Clear - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005CLSR 82.64	1731-005CLSR 87.24	1	8	621
3/4	1721-007CLSR 97.94	1731-007CLSR 104.07	1	8	621
1	1721-010CLSR 117.85	1731-010CLSR 125.50	1	8	621
1-1/4	1721-012CLSR 160.68	1731-012CLSR 169.87	1	0	621
1-1/2	1721-015CLSR 197.41	1731-015CLSR 206.61	1	0	621
2	1721-020CLSR 278.54	1731-020CLSR 292.32	1	0	621
3	1721-030CLSR 598.39	1731-030CLSR 647.37	1	0	621
4	1721-040CLSR 988.66	1731-040CLSR 1072.82	1	0	621

PVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005 111.71	1733-005 116.31	1	8	620
3/4	1723-007 128.55	1733-007 134.68	1	4	620
1	1723-010 151.50	1733-010 157.63	1	4	620
1-1/4	1723-012 177.52	1733-012 189.77	1	0	620
1-1/2	1723-015 223.44	1733-015 234.17	1	0	620
2	1723-020 313.72	1733-020 329.04	1	0	620
3	1723-030 612.18	1733-030 661.15	1	0	620
4	1723-040 1215.14	1733-040 1288.62	1	0	620

PVC Clear - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005CL 111.71	1733-005CL 116.31	1	8	621
3/4	1723-007CL 128.55	1733-007CL 134.68	1	8	621
1	1723-010CL 151.50	1733-010CL 157.63	1	4	621
1-1/4	1723-012CL 177.52	1733-012CL 189.77	1	0	621
1-1/2	1723-015CL 223.44	1733-015CL 234.17	1	0	621
2	1723-020CL 313.72	1733-020CL 329.04	1	0	621
3	1723-030CL 612.18	1733-030CL 661.15	1	0	621
4	1723-040CL 1215.14	1733-040CL 1288.62	1	0	621



Thermoplastic Valves Y-Pattern Valves

CPVC - Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1722-005C 111.71	1732-005C 117.85	1	12	622
3/4	1722-007C 131.62	1732-007C 140.80	1	8	622
1	1722-010C 157.63	1732-010C 168.36	1	8	622
1-1/4	1722-012C 194.36	1732-012C 206.61	1	4	622
1-1/2	1722-015C 257.12	1732-015C 272.40	1	0	622
2	1722-020C 364.23	1732-020C 388.72	2	0	622
3	1722-030C 780.52	1732-030C 847.86	1	0	622
4	1722-040C 1323.81	1732-040C 1441.65	1	0	622

CPVC - SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1721-005CSR 114.78	1731-005CSR 122.45	1	8	622
3/4	1721-007CSR 136.21	1731-007CSR 145.39	1	8	622
1	1721-010CSR 165.28	1731-010CSR 168.36	1	8	622
1-1/4	1721-012CSR 202.02	1731-012CSR 217.33	1	0	622
1-1/2	1721-015CSR 277.00	1731-015CSR 292.32	1	0	622
2	1721-020CSR 387.19	1731-020CSR 408.64	1	0	622
3	1721-030CSR 837.14	1731-030CSR 906.00	1	0	622
4	1721-040CSR 1319.22	1731-040CSR 1501.36	1	0	622

CPVC - Flanged Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	1723-005C 183.65	1733-005C 189.77	1	8	622
3/4	1723-007C 209.67	1733-007C 218.84	1	8	622
1	1723-010C 254.04	1733-010C 264.76	1	4	622
1-1/4	1723-012C 304.55	1733-012C 315.28	1	0	622
1-1/2	1723-015C 411.69	1733-015C 426.99	1	0	622
2	1723-020C 524.94	1733-020C 549.43	1	0	622
3	1723-030C 1010.09	1733-030C 1078.95	1	0	622
4	1723-040C 1639.07	1733-040C 1743.16	1	0	622

PVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005 94.88	173A-005 99.48	1	8	620
3/4	172A-007 110.18	173A-007 116.31	1	8	620
1	172A-010 131.62	173A-010 140.80	1	4	620
1-1/4	172A-012 160.68	173A-012 176.01	2	0	620
1-1/2	172A-015 214.26	173A-015 226.50	2	0	620
2	172A-020 303.03	173A-020 324.46	1	0	620
3	172A-030 655.02	173A-030 711.66	1	0	620
4	172A-040 1112.62	173A-040 1210.59	1	0	620

PVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005 94.88	173B-005 99.48	1	8	620
3/4	172B-007 110.18	173B-007 116.31	1	8	620
1	172B-010 131.62	173B-010 140.80	1	4	620
1-1/4	172B-012 160.68	173B-012 176.01	2	0	620
1-1/2	172B-015 214.26	173B-015 226.50	1	0	620
2	172B-020 303.03	173B-020 324.46	1	0	620
3	172B-030 655.02	173B-030 711.66	1	0	620
4	172B-040 1112.62	173B-040 1210.59	1	0	620

PVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005SR 97.94	173B-005SR 102.53	1	8	620
3/4	172B-007SR 114.78	173B-007SR 122.45	1	8	620
1	172B-010SR 139.27	173B-010SR 146.93	1	4	620
1-1/4	172B-012SR 189.77	173B-012SR 200.48	1	0	620
1-1/2	172B-015SR 232.62	173B-015SR 243.34	1	0	620
2	172B-020SR 327.51	173B-020SR 344.35	1	0	620
3	172B-030SR 703.98	173B-030SR 762.14	1	0	620
4	172B-040SR 1163.12	173B-040SR 1262.61	1	0	620

PVC Clear - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005CL 94.88	173A-005CL 99.48	1	8	621
3/4	172A-007CL 110.18	173A-007CL 116.31	1	8	621
1	172A-010CL 131.62	173A-010CL 140.80	1	4	621
1-1/4	172A-012CL 160.68	173A-012CL 176.01	2	0	621
1-1/2	172A-015CL 214.26	173A-015CL 226.50	2	0	621
2	172A-020CL 303.03	173A-020CL 324.46	1	0	621
3	172A-030CL 655.02	173A-030CL 711.66	1	0	621
4	172A-040CL 1112.62	173A-040CL 1210.59	1	0	621

PVC Clear - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CL 94.88	173B-005CL 99.48	1	8	621
3/4	172B-007CL 110.18	173B-007CL 116.31	1	8	621
1	172B-010CL 131.62	173B-010CL 140.80	1	4	621
1-1/4	172B-012CL 160.68	173B-012CL 176.01	2	0	621
1-1/2	172B-015CL 214.26	173B-015CL 226.50	1	0	621
2	172B-020CL 303.03	173B-020CL 324.46	1	0	621
3	172B-030CL 655.02	173B-030CL 711.66	1	0	621
4	172B-040CL 1112.62	173B-040CL 1210.59	1	0	621

Thermoplastic Valves Y-Pattern Valves



PVC Clear - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CLSR 97.94	173B-005CLSR 102.53	1	8	621
3/4	172B-007CLSR 114.78	173B-007CLSR 122.45	1	8	621
1	172B-010CLSR 139.27	173B-010CLSR 146.93	1	4	621
1-1/4	172B-012CLSR 189.77	173B-012CLSR 200.48	2	0	621
1-1/2	172B-015CLSR 232.62	173B-015CLSR 243.34	1	0	621
2	172B-020CLSR 327.51	173B-020CLSR 344.35	1	0	621
3	172B-030CLSR 703.98	173B-030CLSR 762.14	1	0	621
4	172B-040CLSR 1163.12	173B-040CLSR 1262.61	1	0	621

CPVC - True Union Socket Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172A-005C 131.62	173A-005C 139.27	1	8	622
3/4	172A-007C 154.57	173A-007C 165.28	1	8	622
1	172A-010C 185.18	173A-010C 197.41	1	4	622
1-1/4	172A-012C 228.03	173A-012C 243.34	2	0	622
1-1/2	172A-015C 303.03	173A-015C 319.86	2	0	622
2	172A-020C 428.52	173A-020C 457.60	1	0	622
3	172A-030C 918.27	173A-030C 997.85	1	0	622
4	172A-040C 1556.45	173A-040C 1695.72	1	0	622

CPVC - True Union Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005C 131.62	173B-005C 139.27	1	8	622
3/4	172B-007C 154.57	173B-007C 165.28	1	8	622
1	172B-010C 185.18	173B-010C 197.41	1	4	622
1-1/4	172B-012C 228.03	173B-012C 243.34	2	0	622
1-1/2	172B-015C 303.03	173B-015C 319.86	2	0	622
2	172B-020C 428.52	173B-020C 457.60	1	0	622
3	172B-030C 918.27	173B-030C 997.85	1	0	622
4	172B-040C 1556.45	173B-040C 1695.72	1	0	622

CPVC - True Union SR Threaded Ends

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2	172B-005CSR 134.68	173B-005CSR 143.86	1	8	622
3/4	172B-007CSR 160.68	173B-007CSR 171.41	1	8	622
1	172B-010CSR 194.36	173B-010CSR 197.41	1	4	622
1-1/4	172B-012CSR 237.22	173B-012CSR 255.57	1	0	622
1-1/2	172B-015CSR 325.97	173B-015CSR 344.35	1	0	622
2	172B-020CSR 456.06	173B-020CSR 480.54	1	0	622
3	172B-030CSR 984.06	173B-030CSR 1065.19	1	0	622
4	172B-040CSR 1551.85	173B-040CSR 1766.11	1	0	622



Thermoplastic Valves Y-Pattern Valve Repair Kits

Internal Repair Kit includes 1-Stem O-ring, 1-Seal Carrier O-ring, along with a factory assembled (required) internal component replacement unit consisting of Stem assembled with Seat & Seal Carrier components. Install in valve using existing valve Bonnet, Bonnet Nut, and Handle/Nut. True Union style valve kits include an additional 2-End Connector O-rings.

PVC Y-Pattern Valve Internal Repair Kits

Size	Standard EPDM	Standard Viton®	True Union EPDM	True Union Viton®	Std Pk	Mstr Pk	Disc Code
1/2	YV-ERK-005 24.70	YV-VRK-005 26.22	YV-UERK-005 26.00	YV-UVRK-005 27.60	1	10	299
3/4	YV-ERK-007 33.31	YV-VRK-007 35.64	YV-UERK-007 35.06	YV-UVRK-007 37.51	1	10	299
1	YV-ERK-010 43.69	YV-VRK-010 45.93	YV-UERK-010 45.98	YV-UVRK-010 48.33	1	10	299
1-1/4	YV-ERK-012 66.45	YV-VRK-012 71.27	YV-UERK-012 69.94	YV-UVRK-012 75.02	1	10	299
1-1/2	YV-ERK-015 125.93	YV-VRK-015 132.72	YV-UERK-015 140.47	YV-UVRK-015 140.48	1	10	299
2	YV-ERK-020 153.95	YV-VRK-020 161.71	YV-UERK-020 162.04	YV-UVRK-020 170.21	1	4	299
3	YV-ERK-030 215.41	YV-VRK-030 226.88	YV-UERK-030 226.77	YV-UVRK-030 238.82	1	10	299
4	YV-ERK-040 368.76	YV-VRK-040 389.31	YV-UERK-040 388.15	YV-UVRK-040 409.79	1	10	299

CPVC Y-Pattern Valve Internal Repair Kits

Size	Standard EPDM	Standard Viton®	True Union EPDM	True Union Viton®	Std Pk	Mstr Pk	Disc Code
1/2	YV-ERK-005C 31.61	YV-VRK-005C 33.56	YV-UERK-005C 33.28	YV-UVRK-005C 35.32	1	10	299
3/4	YV-ERK-007C 42.65	YV-VRK-007C 45.61	YV-UERK-007C 44.88	YV-UVRK-007C 48.02	1	10	299
1	YV-ERK-010C 55.93	YV-VRK-010C 58.77	YV-UERK-010C 58.87	YV-UVRK-010C 61.84	1	10	299
1-1/4	YV-ERK-012C 85.07	YV-VRK-012C 91.23	YV-UERK-012C 87.97	YV-UVRK-012C 96.05	1	10	299
1-1/2	YV-ERK-015C 161.19	YV-VRK-015C 169.84	YV-UERK-015C 169.68	YV-UVRK-015C 178.80	1	10	299
2	YV-ERK-020C 197.06	YV-VRK-020C 206.98	YV-UERK-020C 207.44	YV-UVRK-020C 217.87	1	4	299
3	YV-ERK-030C 275.72	YV-VRK-030C 290.40	YV-UERK-030C 290.26	YV-UVRK-030C 305.67	1	10	299
4	YV-ERK-040C 472.02	YV-VRK-040C 498.31	YV-UERK-040C 496.86	YV-UVRK-040C 524.54	1	10	299

Thermoplastic Valves Sewer Disconnect



Spears® Sewer Disconnect functions as both cleanout and disconnect device, plus helps prevent sewage backup during hurricanes and floods. Complete unit consists of body and plunger (sold separately - both parts are required for proper use). The plunger can be screwed into the body to block solids waste flow. The plunger should be removed from the body and stored when not in use to prevent accidental closing (i.e., from ground vibration, etc.).

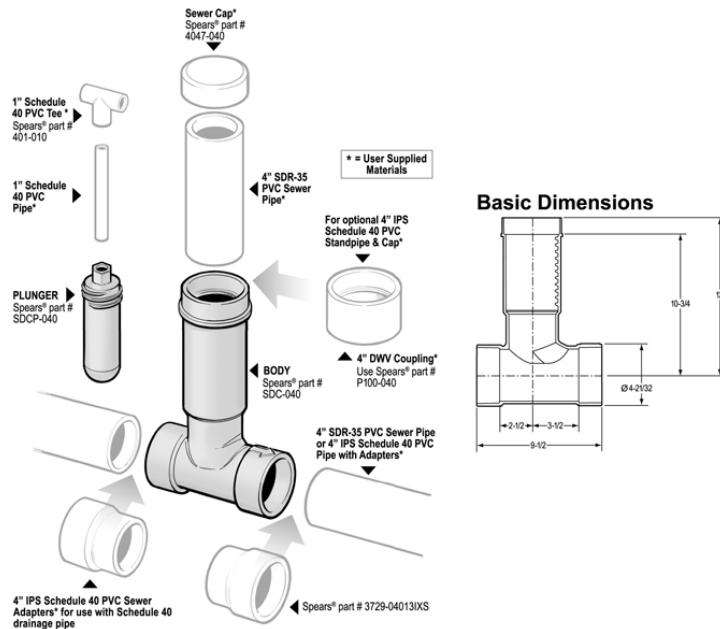


- Connects directly to 4" SDR-35 (or any ASTM D3034/D2729) PVC Sewer Pipe.
- Easily adapted to 4" Schedule 40 PVC Drainage Pipe with addition of IPS x Sewer Adapters, Socket x Spigot, Spears® part no. 3729-04013IXS.
- User-supplied standpipe can be installed to grade using PVC Sewer Pipe connected to the body branch socket and a Sewer Cap to close off (Spears® part no. 4047-040). Optionally, user-supplied Schedule 40 Pipe can be used for standpipe with addition of a Schedule 40 DWV Socket Coupling (Spears® part no. P100-040) and Cap (Spears® part no. P116-040).
- T-handle for Plunger operation can be easily fabricated from user-supplied 1" Schedule 40 Pipe and Tee fitting (Spears® part no. 401-010).



Note - the unit restricts flow by approximately 85%. As a result, the unit must be located in the sewer line where solids are present. Full disconnect is not achieved without solids in the flow.

Auxiliary Components (Purchased Separately)



Sewer Disconnect Body

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Sewer Socket X Sewer Socket. Requires Separate Purchase of SDCP-040 Plunger

Requires Purchase of SDCP-040 Plunger

SDC-040	4	6	0	055	69.03
---------	---	---	---	-----	-------

Sewer Disconnect Plunger

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

For Use With Sewer Disconnect Body. Requires Separate Purchase of SDC-040 Body

Requires Purchase of SDC-040 Body

SDCP-040	4	12	0	055	23.77
----------	---	----	---	-----	-------

Optional IPS x SEWER Adapter

IPS Socket x Sewer Spigot for adapting Sewer Disconnect Body to Schedule 40 drainage pipe



3729-04013IXS	4	1	90	399	16.63
---------------	---	---	----	-----	-------



Thermoplastic Valves Industrial PVC Backwater Valves

Backwater Valves are designed to prevent backflow in numerous applications where easy service access for maintenance and cleaning is needed. Excellent for use in sanitary or storm sewer drainage systems to prevent waste back up due to inadequate drainage, for balancing multi-level ponds, aquaculture features or storage tank systems, and many other applications. Spears® Backwater Valve has been engineered for improved function and easier service, especially in buried service with use of optional Service-Access Extension available either preassembled with valve or as an add-on kit.

- Replaceable internal flapper assembly with EPDM Seat.
- Service-Access Extension available either preassembled with valve, as an add-on kit, or as valve & extension kit components with user supplied pipe.
- Direct Connection to ASTM D 2665 PVC DWV or other IPS size pipe. Spears® fabricated IPS x Sewer Adapters or DWV x Sewer & Drain Adapter Bushings are available for connection to ASTM D 3034 & ASTM D 2729 Sewer pipe.
- Pressure Rated to 43 psi (100 feet of head) @ 73°F (23°C).
- All extension kits can be cut shorter for custom application.
- Conforms to ASME/ANSI A112.14.1 for Backwater Valves.

PVC Backwater Valves



PVC Backwater Valves Soc x Soc - Valve Only

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P	2	1	12	055	56.10
S375P	3	2	0	055	56.21
S475P	4	1	0	055	62.27
S675P	6	1	0	055	265.30

PVC Backwater Valves with Extension Kit to Premade Length



PVC Backwater Valves with Extension Kit to Premade Length

Soc x Soc - Assembled with Extension

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-120 ¹	2X12HT	1	0	055	169.21
S275P-160 ¹	2X16HT	1	0	055	182.01
S275P-200 ¹	2X20HT	1	0	055	194.80
S275P-240 ¹	2X24HT	1	0	055	207.60
S275P-360 ¹	2X36HT	1	0	055	218.04
S275P-480 ¹	2X48HT	1	0	055	239.64
S375P-120 ¹	3X12HT	1	0	055	169.21
S375P-160 ¹	3X16HT	1	0	055	182.01
S375P-200 ¹	3X20HT	1	0	055	194.80
S375P-240 ¹	3X24HT	1	0	055	207.60
S375P-360 ¹	3X36HT	1	0	055	218.04
S375P-480 ¹	3X48HT	1	0	055	239.64
S475P-120 ¹	4X12HT	1	0	055	219.79

PVC Backwater Valves with Extension Kit to Premade Length

Soc x Soc - Assembled with Extension (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S475P-160 ¹	4X16HT	1	0	055	237.11
S475P-200 ¹	4X20HT	1	0	055	252.89
S475P-240 ¹	4X24HT	1	0	055	269.66
S475P-360 ¹	4X36HT	1	0	055	283.20
S475P-480 ¹	4X48HT	1	0	055	311.22
S675P-120 ¹	6X12HT	1	0	055	461.53
S675P-160 ¹	6X16HT	1	0	055	497.93
S675P-200 ¹	6X20HT	1	0	055	531.07
S675P-240 ¹	6X24HT	1	0	055	566.35
S675P-360 ¹	6X36HT	1	0	055	594.74
S675P-480 ¹	6X48HT	1	0	055	653.55

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

PVC Service-Access Extension Kit Only to Premade Length



PVC Service-Access Extension Kit: includes factory assembled internal flap assembly, assembly extension pipe, and external extension housing with top access adapter. Requires solvent cement assembly to existing valve and uses existing threaded Access Plug. Standard Extensions are available in convenient increments of 12", 16", 20", 24", 36", and 48" (measured from top of valve to top of extension). Contact Spears® for pricing on custom cut lengths. All extension kits can be cut shorter in the field for custom fits prior to cementing access adapter in place.

PVC Service-Access Extension Kit Only to Premade Length

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SAEK-020-120 ¹	2X12HT	1	0	055	52.77
SAEK-020-160 ¹	2X16HT	1	0	055	54.28
SAEK-020-200 ¹	2X20HT	1	0	055	55.72
SAEK-020-240 ¹	2X24HT	1	0	055	58.39
SAEK-020-360 ¹	2X36HT	1	0	055	61.15
SAEK-020-480 ¹	2X48HT	1	0	055	64.14
SAEK-030-120 ¹	3X12HT	1	0	055	57.23
SAEK-030-160 ¹	3X16HT	1	0	055	64.60
SAEK-030-200 ¹	3X20HT	1	0	055	68.44
SAEK-030-240 ¹	3X24HT	1	0	055	77.13
SAEK-030-360 ¹	3X36HT	1	0	055	91.24
SAEK-030-480 ¹	3X48HT	1	0	055	107.91
SAEK-040-120 ¹	4X12HT	1	0	055	85.34
SAEK-040-160 ¹	4X16HT	1	0	055	96.21
SAEK-040-200 ¹	4X20HT	1	0	055	118.67
SAEK-040-240 ¹	4X24HT	1	0	055	129.95

Thermoplastic Valves Industrial PVC Backwater Valves



PVC Service-Access Extension Kit Only to Premade Length (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SAEK-040-360 ¹	4X36HT	1	0	055	163.46
SAEK-040-480 ¹	4X48HT	1	0	055	188.71
SAEK-060-120 ¹	6X12HT	1	0	055	152.89
SAEK-060-160 ¹	6X16HT	1	0	055	173.77
SAEK-060-200 ¹	6X20HT	1	0	055	197.04
SAEK-060-240 ¹	6X24HT	1	0	055	226.07
SAEK-060-360 ¹	6X36HT	1	0	055	280.62
SAEK-060-480 ¹	6X48HT	1	0	055	348.34

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

**Table 1: User Supplied Pipe Requirements
For Use With Extension Components**

Valve Size	Riser Pipe Type Options	Sleeve Pipe Type Options
2"	4" Class 125 PVC 4" Sch 40 PVC	2" Class 125 PVC 2" Sch 40 PVC
3"	5" Class 125 PVC 5" Sch 40 PVC 6" D3034 (SDR 35) PVC Sewer Pipe	4" Class 125 PVC 4" Sch 40 PVC
4"	8" Class 125 PVC 8" Sch 40 PVC	5" Class 125 PVC 5" Sch 40 PVC 6" D3034 (SDR 35) PVC Sewer Pipe
6"	10" Class 125 PVC 10" Sch 40 PVC	8" Class 125 PVC 8" Sch 40 PVC

Note: Sch 80 PVC pipe may also be used, except for 3" Riser or 2" Sleeve. ABS pipe may also be used. However, special cement for joining ABS to PVC must be used.

PVC Backwater Valve with Extension Components



PVC Backwater Valve with Extension Components Soc x Soc - Components Must be assembled with user supplied pipe (see Table 1)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-AK	2	1	8	055	82.65
S375P-AK	3	1	0	055	82.65
S475P-AK	4	1	0	055	96.68
S675P-AK	6	1	0	055	342.36

Industrial Backwater Valve Flapper Repair Kit



Industrial Backwater Valve Flapper Repair Kit

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Complete Flapper Assembly replacement					
S275P-FRK	2	1	10	055	32.76
S375P-FRK	3	1	10	055	41.31
S475P-FRK	4	1	10	055	48.11
S675P-FRK	6	1	5	055	85.67

PVC Backwater Valve Metric Adapters



PVC Backwater Valve Extension Components Only



PVC Backwater Valve Extension Components Only Must be assembled with user supplied pipe (see Table 1)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
S275P-ECK	2	1	8	055	44.01
S375P-ECK	3	1	0	055	44.01
S475P-ECK	4	1	0	055	57.35
S675P-ECK	6	1	0	055	120.49

PVC Backwater Valve Metric Adapters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Metric Socket x ASTM Spigot					
S275MA-063	63mm X2	50	0	055	14.52
S375MA-090	90mm X3	25	0	055	15.60
S475MA-110	110mm X4	10	0	055	18.48
S675MA-160	160mm X6	4	0	055	42.65



Thermoplastic Valves
Industrial PVC Backwater Valves

PVC Backwater Valve Metric Adapters (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Metric Socket x ASTM Spigot

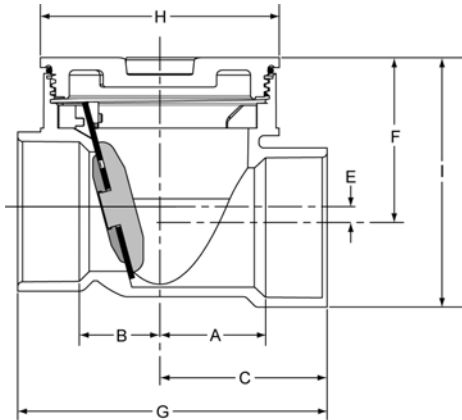
S475MA-110	110mm X4	10	0	055	18.48
S675MA-160	160mm X6	4	0	055	42.65

Thermoplastic Valves Industrial PVC Backwater Valves



Technical Information

STANDARD VALVE



Standard Valve Dimensions (Inches)

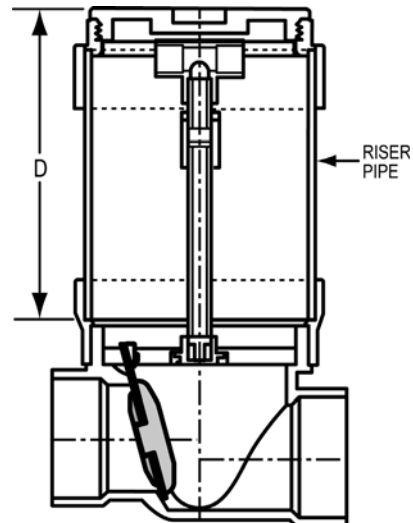
Size	A	B	C	E	F	G	H	I
2	1-13/16	1-3/4	2-5/8	5/16	3-1/4	5-9/32	4-3/16	4-9/16
3	2-5/8	2	4-3/16	13/32	4-1/8	7-3/4	6	6-1/8
4	3-5/8	3-3/4	5-7/16	23/32	5-7/16	10-15/16	8-1/4	7-15/16
6	4-3/4	4-5/8	7-3/4	13/16	7-3/16	15-3/8	11-1/4	10-13/16

Valve with Extension Kit Dimensions (Inches)

HEIGHT-D
12
16
20
24
36
48

D = Top of plug Standard Valve to top of plug with Extension

VALVE WITH EXTENSION KIT





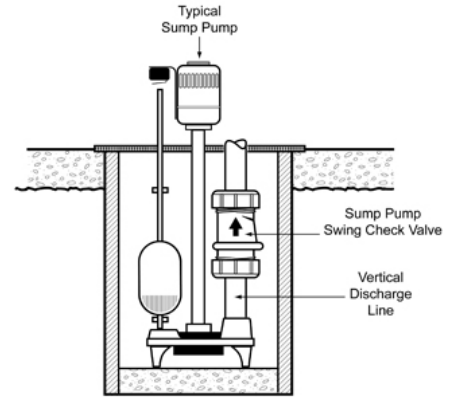
Thermoplastic Valves Sump Pump Swing Check Valve & Quiet Check Valve

Sump Pump Swing Check Valve



- Specifically Designed for Use on Sump Pump Discharge Lines (See Illustration)
- Includes Compression End Connectors with Buna-N Gaskets for Use on Either 1-1/4" or 1-1/2" Pipe
- All Plastic Construction with Elastomer Seals - No Metal Parts
- Angled Seat and Weighted Flapper for Low-Pressure Seal
- Suitable for Vertical Up-flow or Horizontal Installations

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature
140°F (60°C)
Temperature/Pressure De-ratings Apply



General Installation Information: Sump Pump Swing Check Valves may be installed in either vertical up-flow (see illustration) or horizontal positions on pump discharge line. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. In horizontal installations, the designated side must be positioned "up." Do Not install Check Valve upside down.

PVC Sump Pump Swing Check Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Compression Ends

Buna-N Gaskets included for both 1-1/4" & 1-1/2" pipe

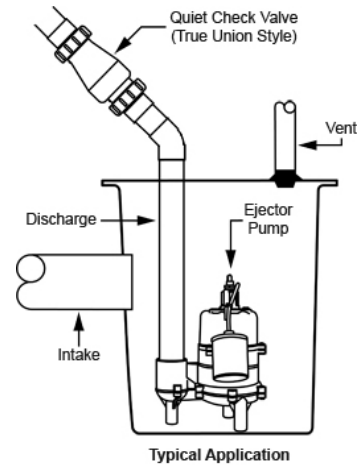
S1400-15	1-1/2 & 1-1/4	16	0	026	17.86
----------	---------------	----	---	-----	-------

Quiet Check Valve



- Designed to Provide Quiet Operation in Sump Pump or Sewage Ejector Pump Systems.
- Spring Controlled Rate of Closing Prevents Slamming and Eliminates Noise.
- Includes Both True Union and Direct Socket Connections for Easy Servicing and Direct Socket Connection for Installation in Confined Space.
- 2" Size for Sewage Ejector Systems, 1-1/2" Size for Sump Pump Effluent Systems.

Pressure Rating @ 73°F (23°C), Water
Full Flow (open) 150 psi
Back Pressure (closed) 75 psi
Maximum Service Temperature 140°F (60°C)
Temperature/Pressure De-ratings Apply



General Installation Information: Install check valve 12"-18" above pump discharge, or as recommended by pump system manufacturer. Be sure check valve installation complies with local codes. Valve may be installed in either vertical up-flow or horizontal positions on pump discharge line. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. In horizontal installations, the designated side must be positioned "up."

PVC Quiet Check Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Soc x Soc

True Union or Direct Socket End Connection

8622-015	1-1/2	12	0	026	40.00
8622-020	2	10	0	026	57.18

Thermoplastic Valves Swing Check Ball Valve



- One-piece Combination for Applications Requiring In-line Ball Valve and Check Valves
- Compact, Space-Saving Design
- True Union Design Allows Easy Service and Cleaning
- High Grade EPDM Seals
- Replaceable PTFE HDPE Ball Valve Seats
- Safety-Blocked™ Seal Carrier on Ball Valve
- Replaceable Sealed Check Valve Cartridge
- Suitable for Horizontal or Vertical Up-flow Installations
- Socket End Connections

Pressure Rating @ 73°F (23°C), Water
 Full Flow (open) 150 psi
 Back Pressure (closed) 75 psi
Maximum Service Temperature
 140°F (60°C)
 Temperature/Pressure De-ratings Apply

General Installation Information: Swing Check Ball Valves are designed for horizontal installations, but may be installed in up-flow only vertical position. The Check Valve portion **MUST** be installed with the valve's FLOW arrow pointing in the direction of flow and with the designated side up in horizontal installations. Do Not install Check Valve upside down. The Ball Valve portion may be rotated and installed in any position. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure is less than 0.5 psi.

PVC Swing Check Ball Valve

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Soc x Soc					
7622-015	1-1/2	10	0	026	40.44
7622-020	2	6	0	026	58.04



Actuated Valves Actuated Valve Information

Spears® Makes Valve Actuation Simple. . .

Sold in Pre-Matched Valve & Actuator Packages

Spears® makes actuation easy by matching each valve type and size with the appropriate actuator for proper operating torque and cycle time to assure optimum performance.

Accessory Add-ons Provide Custom Actuation Configurations

Spears® Premium Actuation Packages can be fully customized to user specifications by addition of selected control accessories purchased separately. Select from our wide variety of accessories and options or contact Spears® for virtually any special actuation need, even if not specified.

Complete Packages Factory Assembled - Ready for Installation

All actuation packages include valve, actuator mounting, coupling, and precision actuator factory assembled with any purchased accessories, ready for installation.

Easy Steps to Locate Desired Product

This catalog provides pricing for both Spears® economical Electro Series Actuated Ball Valves and Spears® full featured Premium Electric and Premium Pneumatic actuated valve packages with optional accessories. Actuated valve packages are listed in separate sections by valve type (ball, butterfly, diaphragm) and actuation type (electric, pneumatic). Optional accessories are listed and priced separately for assembly with the desired package. A complete listing of content is located at the end of this catalog. See Spears® Actuated Thermoplastic Valves Product Guide & Engineering Specification, for additional technical information on valve packages and accessories.

Step 1: Select and Locate Desired Actuated Valve Type

Section I: Ball Valves
Section II: Butterfly Valves
Section III: Diaphragm Valves

Step 2: Select and Locate Desired Actuation Type within Valve Section

Electric Actuated
Pneumatic Actuated

Step 3: Select and Locate Desired Material Type Pricing Table

PVC
CPVC
Polypropylene

Step 4: Select and Locate Specific Part Number & Pricing According to Listed Options

Individual pricing tables for actuated valve packages are organized by valve Size, Elastomer type (O-ring, seat, etc.), and valve configuration options such as End Connector (Joint) or other specified criteria. Unit List Price Each is located immediately below the Part Number. Product Discount Code is located in the far right column.

Step 5: Select and Locate Desired Accessories (see important ordering information below)

Electric Actuator Accessories
Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves
Pneumatic Actuator Accessories for Diaphragm Valves

Ordering Premium Valve Packages with Accessory Add-ons - IMPORTANT -

Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. **When Accessories are ordered for assembly with an actuated valve package, the suffix "-A" must be added to the actuated valve package part number being ordered.** Do not add this suffix if no accessories are being ordered or if ordering Electro Series Ball Valves. Example: Package part

number **21101A112-005** would be ordered as **21101A112-005-A** **REQUIRED ORDER SEQUENCE:** Order line items should begin with the actuated valve package part number (with -A suffix) and be immediately followed by the selected accessory part number(s) as the next line item(s). This sequential listing of valve package and applicable accessories on the order assures that selected accessories are properly assembled with the selected package. Failure to follow this simple practice may result in unnecessary delays.

Actuated Valve Packages Overview

Typical Package Illustration	Valve Type	Basic Valve Options				Actuation Package Available		
		Basic Valve Material	Size Range (inch)	Seal Material Options	End Connector Options	Premium Electric Actuation	Premium Pneumatic Actuation	Electro Series Actuation
	True Union 2000 Ball Valves	PVC	1/2 - 6	EPDM Viton®	Socket SR Thread Flanged	X	X	X 1/2" - 2"
		CPVC	1/2 - 6	EPDM Viton®	Socket SR Thread Flanged	X	X	X 1/2" - 2"
	Compact 2000 Ball Valves	PVC	1/2 - 6	EPDM Viton®	Socket Thread Flanged	X	X	X 1/2" - 2"
		CPVC	1/2 - 6	EPDM Viton®	Socket Thread Flanged	X	X	X 1/2" - 2"
	Butterfly Valves	PVC	1-1/2 - 12	Buna-N EPDM Viton®	Flanged	X	X	
		CPVC	1-1/2 - 12	Buna-N EPDM Viton®	Flanged	X	X	
		PP	1-1/2 - 24 ¹	EPDM Viton®	Flanged	X	X	
	Diaphragm Valves	PVC	1/2 - 4 ²	Buna-N EPDM Viton® PTFE	Socket ³ Thread ³ Spigot ⁴ Flanged	X	X	
		CPVC	1/2 - 4 ²	Buna-N EPDM Viton® PTFE	Socket Thread Spigot Flanged	X	X	
		PP	1/2 - 4 ²	EPDM Viton®	Thread Flanged	X	X	

Notes: 1 - Butterfly Valves also available in sizes 30" - 60", quoted and produced to order. Contact Spears®.
2 - 2-1/2" to 4" Diaphragm Valves available in Flanged ends only.
3 - 1/2" - 2" Socket and Thread Diaphragm Valves are True Union style.
4 - Spigot Diaphragm Valves available in sizes 1/2" - 2" only.

Actuated Valves Actuated Valve Information



The following table illustrates actuator features for Premium Electric actuators used in Actuated Valve Packages. Features specified as "Standard" are available on packages in this price sheet. Features specified as "Accessory" are included as package add-ons in this price sheet. Features specified as "Options" must be special ordered (contact Spears® for pricing).

Electric Actuator Features Overview

Standard 2-Position Electric Actuator Features	Electro Series Ball Valves	Premium Electric TU Ball Valves	Premium Electric Butterfly Valves	Premium Electric Diaphragm Valves
Motor Rotation	Unidirectional	Reversing	Reversing	Reversing
NEMA Rating	4X	4	4	4
Enclosure Material	PP	Powder Coated Aluminum	Powder Coated Aluminum	Powder Coated Aluminum
Enclosure Conduit Entry	1/2NPT	1/2NPT	1/2NPT	1/2NPT
Voltage	115 VAC	115 VAC	115 VAC	115 VAC
Pre wired to terminal strip	Wired direct	Standard	Standard	Standard
Thermal Overload Protection	Standard	Standard	Standard	Standard
Basic Manual Override	—	Standard (1/2" – 2")	—	(Option)
Dec clutchable Manual Override	—	Standard (2-1/2" – 4")	Standard	Standard (2" – 4")
Limit Switches (SPDT)	1	2	2	2
Mounting Position	Any	Any	Any	Any
Permanent Lubrication	Standard	Standard	Standard	Standard
Friction Brake	—	—	Standard	—
Feedback Potentiometer	—	Standard	Standard	Standard
Options & Accessories				
24 VAC	Option	Option	Option	Option
230 VAC	Option	Option	Option	Option
230 VAC 3-phase, 60 Hz	—	Option	Option	Option
230 VAC 3-phase, 50 Hz	—	Option	Option	Option
460 VAC 3-phase, 60 Hz	—	—	Option	—
460 VAC 3-phase, 50 Hz	—	—	Option	—
12 VDC	Option	Option	Option	Option
24 VDC	Option	Option	Option	Option
NEMA 4X, 7, 9 Rating	(4X Standard)	Option	Option	Option
Basic Manual Override	—	Standard (1/2" – 2")	—	Option
Dec clutchable Manual Override	—	Option (Standard on 4" – 6")	(Standard)	Option
Duty Cycle Upgrade	Option	Option	Option	Option
Spring Return (Fail Safe)	—	Option	Option	—
Positioner Board (Modulating)	—	Accessory	Accessory	Accessory
Additional Limit Switch Sets	—	Accessory	Accessory	Accessory
LED Indicator Lights	—	Accessory	Accessory	Accessory
Position Indicator (visual)	Standard	Standard	Standard	Accessory
Heater & Thermostat	—	Accessory	Accessory	Accessory
Torque Sensor	—	Accessory	Accessory	Standard
Speed Controller	—	Accessory	Accessory	Accessory
Timer Board	—	Accessory	Accessory	Accessory
Transmitter	—	Accessory	Accessory	Accessory
Controller Interface	—	Accessory	Accessory	Accessory
"2-Wire" Control Relay	Accessory	Accessory	Accessory	—
Friction Brake	—	Accessory	Standard	Accessory
ID Tag-SS	Accessory	Accessory	Accessory	Accessory

The following table illustrates actuator features for Premium Pneumatic actuators used in Actuated Valve Packages. Features specified as "Standard" are available on packages in this price sheet. Features specified as "Accessory" are included as package add-ons in this price sheet. Features specified as "Options" must be special ordered (contact Spears® for pricing).

Please contact Spears® for any desired features or accessories not specified.

Pneumatic Actuator Features Overview

Standard Pneumatic Actuator Features	Premium Pneumatic TU Ball Valves	Premium Pneumatic Butterfly Valves	Premium Pneumatic Diaphragm Valves
Type	Dual Piston, Rack & Pinion	Dual Piston, Rack & Pinion	Linear Piston
Enclosure Material (ends/body)	Epoxy Coated/Hard Anodized Aluminum	Epoxy Coated/Hard Anodized Aluminum	PES-Polyestersulphone PP-Polypropylene
Standard Operation	Air-to-Air or Air-Spring Closed	Air-to-Air or Air-Spring Closed	Air-to-Air or Air-Spring Closed/Open
Standard Operating Pressure	80 psi	80 psi	80 psi
Air Connection Size	1/8"	1/8"	1/8"
Basic Manual Override	Standard	Standard	(Option)
Options & Accessories			
Air-Spring Open	Option	Option	Option
40 psi Operating Pressure	Option	Option	—
60 psi Operating Pressure	Option	Option	Option
Basic Manual Override	(Standard)	(Standard)	Option
Dec clutchable Manual Override	Option	Option	—
Pneumatic Positioner	Accessory	Accessory	Accessory
Electro-Pneumatic Positioner	Accessory	Accessory	Accessory
Dome Position Indicator	Accessory	Accessory	Accessory
Pointer Indicator	Accessory	Accessory	—
3 & 4-Way Solenoid Valve	Accessory	Accessory	Accessory
Dual Power Solenoid Valve	Accessory	Accessory	—
Limit Switches	Accessory	Accessory	Accessory
Output Signal Limit Switches	Accessory	Accessory	—
3-Way "Dribble" Control Limit Switches	Accessory	Accessory	—
Stainless Steel Pressure Gauge Set	Accessory	Accessory	Accessory
Stem Extension	Accessory	Accessory	Accessory
ID Tag-SS	Accessory	Accessory	Accessory



Actuated Valves Actuated Valve Information

Additional Actuated Valve Configurations, Options & Accessories Not Specified

Spears® can provide virtually any actuation need for Spears® valves. The following actuated valve configurations, options and accessories not currently specified in this price sheet are a few of those available on a special order basis. See the *Accessories* sections for standard configuration and accessory options. Please contact Spears® for additional technical information or other custom actuation needs. Certain special order options and custom Actuation Packages may require extended lead times. Please contact Spears® for details.

Special Actuated Ball Valves

- Compact Ball Valves
- Single Entry Ball Valves
- True Union 2000 3-Way Vertical & Horizontal Ball Valves
- Vented Ball Valves

Special Actuated Butterfly Valves

- Tandem 3-Way - two valves operated from one actuator, both closing or both opening at the same time
- Tandem Diverting - two valves operated from one actuator, one opening while the other closes
- "No Seat" actuated Butterfly Valves for duct (damper) applications
- Polypropylene 30" to 60" Actuated Valves (custom produced)

Actuated Gate Valves

- PVC & CPVC Construction
- Sizes 1/2" – 4"
- Socket, Thread, Flange End Connections

Special Actuator Options

- Actuators Only
- Actuator Brackets Only
- Actuator Stem Extensions
- Double Powder Coated Electric Enclosures
- Stainless Steel Pneumatic Enclosures
- Electric Spring Return Open or Close with No Override
- Battery Back-up Electric Actuators

Special Switch Sets & Solenoids

- Single Limit Switch & Bracket Only (no actuator) for manual valves
- Double Limit Switch & Bracket Only (no actuator) for manual valves
- Dual Coil 5-Way Solenoid Valves

Replacement Parts Many replacement parts are available for Spears® electric and pneumatic actuators and valves. Contact Spears® for specific parts needed.

Actuated Valves Electro Actuated Compact 2000 Ball Valve



General purpose industrial grade sealed unit design, 1/4-turn shutoff. Basic On-Off operation.



- Maintenance-free
- PTFE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated Compact 2000 Ball Valve

O-ring Joint	EPDM			Viton®			Disc Code
	Socket	Thread	Flanged	Socket	Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1404-005 429.98	E1406-005 429.98	E1408-005 529.55	E1405-005 473.87	E1407-005 473.87	E1409-005 558.44	496
3/4	E1404-007 440.52	E1406-007 440.52	E1408-007 556.85	E1405-007 489.59	E1407-007 489.59	E1409-007 585.88	496
1	E1404-010 448.43	E1406-010 448.43	E1408-010 574.03	E1405-010 497.36	E1407-010 497.36	E1409-010 603.51	496
1-1/4	E1504-012 464.26	E1506-012 464.26	E1508-012 604.67	E1505-012 524.65	E1507-012 524.65	E1509-012 636.57	496
1-1/2	E1504-015 477.48	E1506-015 477.48	E1508-015 616.00	E1505-015 534.86	E1507-015 534.86	E1509-015 652.10	496
2	E1504-020 498.54	E1506-020 498.54	E1508-020 670.26	E1505-020 556.05	E1507-020 556.05	E1509-020 707.51	496

CPVC

O-ring Joint	EPDM			Viton®			Disc Code
	Socket	Thread	Flanged	Socket	Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1404-005C 437.88	E1406-005C 437.88	E1408-005C 546.85	E1405-005C 489.15	E1407-005C 489.15	E1409-005C 576.84	498
3/4	E1404-007C 453.71	E1406-007C 453.71	E1408-007C 578.44	E1405-007C 509.10	E1407-007C 509.10	E1409-007C 605.18	498
1	E1404-010C 474.81	E1406-010C 474.81	E1408-010C 592.95	E1405-010C 517.24	E1407-010C 517.24	E1409-010C 623.48	498
1-1/4	E1504-012C 503.83	E1506-012C 503.83	E1508-012C 638.34	E1505-012C 545.47	E1507-012C 545.47	E1509-012C 661.52	498
1-1/2	E1504-015C 514.36	E1506-015C 514.36	E1508-015C 646.30	E1505-015C 552.37	E1507-015C 552.37	E1509-015C 673.77	498
2	E1504-020C 559.23	E1506-020C 559.23	E1508-020C 696.40	E1505-020C 573.83	E1507-020C 573.83	E1509-020C 731.29	498



Actuated Valves Electro Actuated True Union 2000 Standard Ball Valve



General Purpose True Union design, 1/4-turn shutoff. Basic On-Off operation.

- Blocked Seal Carrier
- PTFE/HDPE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated True Union 2000 Standard Ball Valve

O-ring	EPDM			Viton®			Disc Code
Joint	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1453-005 446.24	E1451-005SR 447.06	E1457-005 549.01	E1454-005 491.70	E1452-005SR 492.62	E1458-005 604.90	500
3/4	E1453-007 455.98	E1451-007SR 457.83	E1457-007 575.90	E1454-007 509.32	E1452-007SR 511.19	E1458-007 641.77	500
1	E1453-010 469.69	E1451-010SR 469.69	E1457-010 601.24	E1454-010 520.70	E1452-010SR 522.72	E1458-010 666.63	500
1-1/4	E1553-012 481.07	E1551-012SR 486.85	E1557-012 625.50	E1554-012 555.10	E1552-012SR 560.78	E1558-012 721.55	500
1-1/2	E1553-015 508.94	E1551-015SR 515.09	E1557-015 656.51	E1554-015 569.63	E1552-015SR 575.90	E1558-015 734.94	500
2	E1553-020 539.27	E1551-020SR 545.95	E1557-020 722.66	E1554-020 599.59	E1552-020SR 605.88	E1558-020 803.50	500

CPVC

O-ring	EPDM			Viton®			Disc Code
Joint	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1453-005C 462.34	E1451-005CSR 464.90	E1457-005C 571.86	E1454-005C 516.29	E1452-005CSR 518.83	E1458-005C 638.16	502
3/4	E1453-007C 483.03	E1451-007CSR 486.63	E1457-007C 613.14	E1454-007C 541.30	E1452-007CSR 544.98	E1458-007C 686.64	502
1	E1455-010C 507.74	E1451-010CSR 507.74	E1457-010C 656.51	E1454-010C 553.30	E1452-010CSR 558.37	E1458-010C 714.72	502
1-1/4	E1555-012C 538.76	E1551-012CSR 546.84	E1557-012C 710.91	E1554-012C 584.38	E1552-012CSR 592.54	E1558-012C 770.31	502
1-1/2	E1555-015C 555.83	E1551-015CSR 569.74	E1557-015C 735.03	E1554-015C 598.48	E1552-015CSR 612.31	E1558-015C 789.86	502
2	E1555-020C 616.98	E1551-020CSR 631.95	E1557-020C 788.36	E1554-020C 636.51	E1552-020CSR 651.56	E1558-020C 852.17	502

Actuated Valves Electro Actuated True Union 2000 Industrial Ball Valve



Industrial grade True Union design, 1/4-turn shutoff. Basic On-Off operation.

- Blocked Seal Carrier
- Double O-ring Stem Seal
- PTFE Seats
- 235 psi @ 73°F (23°C) (flanged 150 psi)
- 115 VAC standard, optional voltages available
- High Impact PP NEMA 4x Enclosure, SS316 Fasteners
- 2-Position with Stem-mounted Visual Open/Close Indicator

See **Electric Actuator Accessories** for "2-wire" Control Add-on Actuator Accessory

PVC Electro Actuated Industrial Ball Valve

O-ring	EPDM			Viton®			Disc Code
Joint	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1459-005 457.83	E1463-005SR 460.40	E1465-005 557.49	E1460-005 504.65	E1464-005SR 507.21	E1466-005 589.09	500
3/4	E1459-007 469.73	E1463-007SR 473.38	E1465-007 586.04	E1460-007 524.66	E1464-007SR 528.32	E1466-007 620.98	500
1	E1459-010 486.00	E1463-010SR 491.07	E1465-010 610.47	E1460-010 538.93	E1464-010SR 543.99	E1466-010 645.07	500
1-1/4	E1559-012 503.77	E1563-012SR 511.89	E1565-012 644.17	E1560-012 599.14	E1564-012SR 607.28	E1566-012 695.24	500
1-1/2	E1559-015 536.37	E1563-015SR 550.29	E1565-015 674.93	E1560-015 600.15	E1564-015SR 614.06	E1566-015 717.31	500
2	E1559-020 575.46	E1563-020SR 590.53	E1565-020 747.16	E1560-020 639.07	E1564-020SR 654.14	E1566-020 790.22	500

CPVC

O-ring	EPDM			Viton®			Disc Code
Joint	Socket & Thread	SR Thread	Flanged	Socket & Thread	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	E1459-005C 477.69	E1463-005CSR 480.27	E1465-005C 586.71	E1460-005C 533.32	E1464-005CSR 538.46	E1466-005C 620.64	502
3/4	E1459-007C 502.47	E1463-007CSR 506.10	E1465-007C 627.09	E1460-007C 562.83	E1464-007CSR 582.65	E1466-007C 663.89	502
1	E1459-010C 530.78	E1463-010CSR 535.84	E1465-010C 648.95	E1460-010C 579.00	E1464-010CSR 584.00	E1466-010C 685.09	502
1-1/4	E1559-012C 575.52	E1563-012CSR 583.70	E1565-012C 696.28	E1560-012C 625.21	E1564-012CSR 633.35	E1566-012C 741.31	502
1-1/2	E1559-015C 594.64	E1563-015CSR 608.56	E1565-015C 741.15	E1560-015C 627.12	E1564-015CSR 641.10	E1566-015C 766.21	502
2	E1559-020C 701.21	E1563-020CSR 716.30	E1565-020C 835.45	E1560-020C 732.59	E1564-020CSR 747.84	E1566-020C 860.01	502



Actuated Valves Premium Actuated True Union 2000 Industrial Ball Valve - Electric



Industrial grade True Union design, 1/4-turn shutoff for a wide range of applications. Full-featured actuator can be custom configured with add-on accessories.

- Blocked Seal Carrier
- Double O-ring Stem Seal
- PTFE Seats
- 1/2" - 4" 235 psi @ 73°F (23°C)
- 6" and all flanged 150 psi @ 73°F (23°C)
- 115 VAC standard, optional voltages available
- 2-Position Operation with 2-SPDT Limit Switches
- NEMA 4 Enclosure, Powder Coated
- Manual Override (shown)
- Position Indicator

See **Electric Actuator Accessories** for Add-on Actuator Accessories

PVC

O-ring	EPDM			Viton®			Disc Code
Joint	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	21101A112-005 684.48	23101A112-005 685.47	24101A112-005 704.36	21201A112-005 689.66	23201A112-005 690.67	24201A112-005 708.77	500
3/4	21101A112-007 692.91	23101A112-007 695.29	24101A112-007 721.98	21201A112-007 699.07	23201A112-007 701.46	24201A112-007 729.32	500
1	21101A112-010 709.38	23101A112-010 711.74	24101A112-010 745.60	21201A112-010 716.78	23201A112-010 719.13	24201A112-010 753.23	500
1-1/4	21101A112-012 734.34	23101A112-012 741.49	24101A112-012 763.24	21201A112-012 759.23	23201A112-012 766.38	24201A112-012 776.46	500
1-1/2	21101A112-015 752.76	23101A112-015 760.46	24101A112-015 794.13	21201A112-015 764.70	23201A112-015 772.41	24201A112-015 807.33	500
2	21101A112-020 829.38	23101A112-020 837.73	24101A112-020 924.83	21201A112-020 843.84	23201A112-020 852.07	24201A112-020 939.32	500
2-1/2	21101A111-025 1401.87	23101A111-025 1424.37	24101A111-025 1567.38	21201A111-025 1499.60	23201A111-025 1522.05	24201A111-025 1574.67	500
3	21101A111-030 1489.51	23101A111-030 1512.01	24101A111-030 1613.82	21201A111-030 1529.85	23201A111-030 1552.32	24201A111-030 1731.48	500
4	21101A121-040 2482.86	23101A121-040 2509.12	24101A121-040 2849.23	21201A121-040 2958.27	23201A121-040 2577.26	24201A121-040 3005.14	500
6	21101A121-060 3502.81	23101A121-060 3540.27	24101A121-060 4263.89	21201A121-060 3648.13	23201A121-060 3685.60	24201A121-060 4596.50	500

CPVC

O-ring	EPDM			Viton®			Disc Code
Joint	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	21102A112-005 699.27	23102A112-005 700.24	24102A112-005 741.81	21202A112-005 706.04	23202A112-005 707.06	24202A112-005 744.03	502
3/4	21102A112-007 715.12	23102A112-007 717.52	24102A112-007 765.19	21202A112-007 723.66	23202A112-007 726.07	24202A112-007 770.47	502
1	21102A112-010 735.73	23102A112-010 738.13	24102A112-010 789.54	21202A112-010 745.90	23202A112-010 748.29	24202A112-010 798.52	502
1-1/4	21102A112-012 789.70	23102A112-012 796.90	24102A112-012 861.38	21202A112-012 805.95	23202A112-012 813.14	24202A112-012 868.96	502
1-1/2	21102A112-015 797.89	23102A112-015 805.57	24102A112-015 883.07	21202A112-015 814.93	23202A112-015 822.67	24202A112-015 891.05	502
2	21102A112-020 891.67	23102A112-020 900.04	24102A112-020 1018.54	21202A112-020 922.40	23202A112-020 930.78	24202A112-020 1082.01	502
2-1/2	21102A111-025 1587.38	23102A111-025 1609.86	24102A111-025 1746.99	21202A111-025 1638.52	23202A111-025 1661.00	24202A111-025 1871.22	502
3	21102A111-030 1665.36	23102A111-030 1687.82	24102A111-030 2033.85	21202A111-030 1725.21	23202A111-030 1747.71	24202A111-030 2054.53	502
4	21102A121-040 2845.87	23102A121-040 2872.12	24102A121-040 3460.83	21202A121-040 2954.35	23202A121-040 2980.57	24202A121-040 3524.47	502
6	21102A121-060 4256.40	23102A121-060 4313.34	24102A121-060 5567.34	21202A121-060 4487.13	23202A121-060 4544.05	24202A121-060 5702.16	502

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.

Actuated Valves
Premium Actuated True Union 2000 Industrial Ball Valve - Pneumatic



Industrial grade True Union design, 1/4-turn shutoff for a wide range of applications. Full-featured actuator can be custom configured with add-on accessories.

- Blocked Seal Carrier
- Double O-ring Stem Seal
- PTFE Seats
- 1/2" - 4" 235 psi @ 73°F (23°C)
- 6" and all flanged
- 150 psi @ 73°F (23°C)
- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See **Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves** for Add-on Actuator Accessories

PVC

O-ring Joint	EPDM			Viton®			Disc Code
Size	Socket Part # Price Each	SR Thread Part # Price Each	Flanged Part # Price Each	Socket Part # Price Each	SR Thread Part # Price Each	Flanged Part # Price Each	
1/2 Air to Air	21101H101-005 372.83	23101H101-005 373.82	24101H101-005 392.70	21201H101-005 378.02	23201H101-005 379.04	24201H101-005 397.14	530
1/2 Air to Spring	21101J101-005 438.77	23101J101-005 439.76	24101J101-005 458.63	21201J101-005 443.95	23201J101-005 444.97	24201J101-005 463.06	530
3/4 Air to Air	21101H101-007 381.29	23101H101-007 383.65	24101H101-007 410.36	21201H101-007 387.41	23201H101-007 389.84	24201H101-007 417.70	530
3/4 Air to Spring	21101J101-007 447.21	23101J101-007 449.60	24101J101-007 476.28	21201J101-007 453.37	23201J101-007 455.76	24201J101-007 483.63	530
1 Air to Air	21101H101-010 397.72	23101H101-010 400.11	24101H101-010 433.98	21201H101-010 405.14	23201H101-010 407.50	24201H101-010 441.62	530
1 Air to Spring	21101J101-010 463.66	23101J101-010 466.02	24101J101-010 499.88	21201J101-010 471.06	23201J101-010 473.41	24201J101-010 701.47	530
1-1/4 Air to Air	21101H101-012 422.71	23101H101-012 429.86	24101H101-012 451.63	21201H101-012 447.62	23201H101-012 454.77	24201H101-012 464.83	530
1-1/4 Air to Spring	21101J101-012 488.64	23101J101-012 495.79	24101J101-012 517.54	21201J101-012 513.53	23201J101-012 520.69	24201J101-012 530.74	530
1-1/2 Air to Air	21101H101-015 441.13	23101H101-015 448.83	24101H101-015 482.48	21201H101-015 453.04	23201H101-015 460.80	24201H101-015 495.69	530
1-1/2 Air to Spring	21101J101-015 507.04	23101J101-015 514.74	24101J101-015 548.41	21201J101-015 518.98	23201J101-015 526.71	24201J101-015 561.61	530
2 Air to Air	21101H101-020 517.76	23101H101-020 526.11	24101H101-020 613.20	21201H101-020 532.22	23201H101-020 540.43	24201H101-020 627.68	530
2 Air to Spring	21101J101-020 673.41	23101J101-020 681.91	24101J101-020 769.03	21201J101-020 688.05	23201J101-020 696.24	24201J101-020 783.50	530
2-1/2 Air to Air	21101H101-025 799.59	23101H101-025 822.10	24101H101-025 965.13	21201H101-025 897.31	23201H101-025 919.78	24201H101-025 972.38	530
2-1/2 Air to Spring	21101J101-025 928.44	23101J101-025 950.93	24101J101-025 1093.96	21201J101-025 1026.14	23201J101-025 1048.63	24201J101-025 1101.26	530
3 Air to Air	21101H101-030 887.23	23101H101-030 909.72	24101H101-030 1011.53	21201H101-030 927.56	23201H101-030 950.05	24201H101-030 1129.20	530
3 Air to Spring	21101J101-030 1016.09	23101J101-030 1038.60	24101J101-030 1140.37	21201J101-030 1056.39	23201J101-030 1078.88	24201J101-030 1258.03	530
4 Air to Air	21101H101-040 1257.32	23101H101-040 1337.51	24101H101-040 1623.69	21201H101-040 1325.47	23201H101-040 1351.72	24201H101-040 1779.61	530
4 Air to Spring	21101J101-040 1503.03	23101J101-040 1529.29	24101J101-040 1869.39	21201J101-040 1571.16	23201J101-040 1597.41	24201J101-040 2025.31	530
6 Air to Air	21101H101-060 2253.31	23101H101-060 2290.77	24101H101-060 3014.39	21201H101-060 2398.63	23201H101-060 2436.07	24201H101-060 3346.99	530
6 Air to Spring	21101J101-060 2735.73	23101J101-060 2773.18	24101J101-060 3496.82	21201J101-060 2881.05	23201J101-060 2918.50	24201J101-060 3829.43	530

NOTE:"Socket" valves up to 2" size include standard plastic thread end connectors.

For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC

O-ring Joint	EPDM			Viton®			Disc Code
Size	Socket Part # Price Each	SR Thread Part # Price Each	Flanged Part # Price Each	Socket Part # Price Each	SR Thread Part # Price Each	Flanged Part # Price Each	
1/2 Air to Air	21102H101-005 387.64	23102H101-005 388.63	24102H101-005 430.16	21202H101-005 394.43	23202H101-005 395.44	24202H101-005 432.40	532
1/2 Air to Spring	21102J101-005 453.56	23102J101-005 454.55	24102J101-005 496.09	21202J101-005 460.34	23202J101-005 461.36	24202J101-005 796.76	532
3/4 Air to Air	21102H101-007 403.49	23102H101-007 405.88	24102H101-007 453.56	21202H101-007 412.03	23202H101-007 414.43	24202H101-007 458.83	532
3/4 Air to Spring	21102J101-007 469.40	23102J101-007 471.81	24102J101-007 519.49	21202J101-007 477.95	23202J101-007 480.34	24202J101-007 828.75	532

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 455



Actuated Valves
Premium Actuated True Union 2000 Industrial Ball Valve - Pneumatic

CPVC (continued)

O-ring	EPDM			Viton®			Disc Code
Joint	Socket	SR Thread	Flanged	Socket	SR Thread	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1 Air to Air	21102H101-010 424.11	23102H101-010 426.52	24102H101-010 477.91	21202H101-010 434.27	23202H101-010 436.66	24202H101-010 486.88	532
1 Air to Spring	21102J101-010 490.03	23102J101-010 492.43	24102J101-010 543.83	21202J101-010 500.19	23202J101-010 502.59	24202J101-010 849.17	532
1-1/4 Air to Air	21102H101-012 478.07	23102H101-012 485.28	24102H101-012 549.77	21202H101-012 494.31	23202H101-012 501.50	24202H101-012 557.33	532
1-1/4 Air to Spring	21102J101-012 544.00	23102J101-012 551.19	24102J101-012 615.67	21202J101-012 560.24	23202J101-012 567.43	24202J101-012 902.79	532
1-1/2 Air to Air	21102H101-015 486.27	23102H101-015 493.97	24102H101-015 571.45	21202H101-015 503.31	23202H101-015 511.02	24202H101-015 579.43	532
1-1/2 Air to Spring	21102J101-015 552.18	23102J101-015 559.88	24102J101-015 637.37	21202J101-015 569.22	23202J101-015 576.96	24202J101-015 928.07	532
2 Air to Air	21102H101-020 580.03	23102H101-020 588.41	24102H101-020 706.90	21202H101-020 610.80	23202H101-020 619.16	24202H101-020 770.37	532
2 Air to Spring	21102J101-020 735.86	23102J101-020 744.21	24102J101-020 862.72	21202J101-020 766.61	23202J101-020 774.95	24202J101-020 1289.99	532
2-1/2 Air to Air	21102H101-025 985.10	23102H101-025 1007.57	24102H101-025 1144.72	21202H101-025 1036.23	23202H101-025 1058.72	24202H101-025 1268.95	532
2-1/2 Air to Spring	21102J101-025 1113.95	23102J101-025 1136.41	24102J101-025 1273.56	21202J101-025 1165.10	23202J101-025 1187.56	24202J101-025 1397.80	532
3 Air to Air	21102H101-030 1063.07	23102H101-030 1085.54	24102H101-030 1431.56	21202H101-030 1122.94	23202H101-030 1145.45	24202H101-030 1452.24	532
3 Air to Spring	21102J101-030 1191.90	23102J101-030 1214.38	24102J101-030 1560.40	21202J101-030 1251.78	23202J101-030 1274.29	24202J101-030 1588.57	532
4 Air to Air	21102H101-040 1620.34	23102H101-040 1646.59	24102H101-040 2235.30	21202H101-040 1728.80	23202H101-040 1755.06	24202H101-040 2298.94	532
4 Air to Spring	21102J101-040 1866.05	23102J101-040 1892.30	24102J101-040 2481.00	21202J101-040 1974.52	23202J101-040 2000.77	24202J101-040 2746.00	532
6 Air to Air	21102H101-060 3006.89	23102H101-060 3063.82	24102H101-060 4317.83	21202H101-060 3237.63	23202H101-060 3294.56	24202H101-060 4452.67	532
6 Air to Spring	21102J101-060 3489.33	23102J101-060 3546.27	24102J101-060 4800.24	21202J101-060 3720.04	23202J101-060 3776.97	24202J101-060 4935.11	532
NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.							
For Air to Spring <u>OPEN</u> , change letter "J" to letter "K" in listed part number.							

Actuated Valves Premium Actuated Standard Butterfly Valve - Electric



Industrial grade valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C) (Thru 12"),
14"-100 psi, 16"-85 psi,
18"-70 psi, 20"-24"-50 psi
- 115 VAC standard, optional voltages available
- 2-Position Operation with 2-SPDT Limit Switches
- NEMA 4 Enclosure, Powder Coated
- Declutchable Manual Override
- Position Indicator

See **Electric Actuator Accessories** for Add-on Actuator Accessories

PVC

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	41101A121-015 1486.06	41201A121-015 1486.06	41301A121-015 1734.51	510
2	41101A121-020 1526.11	41201A121-020 1526.11	41301A121-020 1772.45	510
2-1/2	41101A121-025 1549.45	41201A121-025 1549.45	41301A121-025 1804.12	510
3	41101A121-030 1816.38	41201A121-030 1816.38	41301A121-030 2075.26	510
4	41101A121-040 1998.97	41201A121-040 1998.97	41301A121-040 2349.70	510
6	41101A121-060 2714.95	41201A121-060 2714.95	41301A121-060 3316.26	510
8	41101A121-080 3072.33	41201A121-080 3072.33	41301A121-080 4066.11	510
10	41101A121-100 4452.88	41201A121-100 4452.88	41301A121-100 6440.39	510
12	41101A123-120 5586.90	41201A123-120 5586.90	41301A123-120 8647.53	510

Polypropylene (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
14, 16, 18, 20 & 24 - Price On Application				

NOTE: Due to variations in potential system operating conditions, 14" -24" Actuated Butterfly Valve packages are sized and priced according to application parameters. Please contact Spears® for additional information.

CPVC

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	41102A121-015 1584.20	41202A121-015 1584.20	41302A121-015 1914.07	512
2	41102A121-020 1622.14	41202A121-020 1622.14	41302A121-020 1943.63	512
2-1/2	41102A121-025 1651.72	41202A121-025 1651.72	41302A121-025 1987.86	512
3	41102A121-030 1941.64	41202A121-030 1941.64	41302A121-030 2313.27	512
4	41102A121-040 2145.10	41202A121-040 2365.93	41302A121-040 2654.55	512
6	41102A121-060 2932.10	41202A121-060 2932.10	41302A121-060 3804.76	512
8	41102A121-080 3448.12	41202A121-080 3448.12	41302A121-080 4892.86	512
10	41102A121-100 5200.31	41202A121-100 5200.31	41302A121-100 8102.23	512
12	41102A123-120 6572.31	41202A123-120 6572.31	41302A123-120 10344.87	512

Polypropylene

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	41103A121-015 1692.07	41203A121-015 1692.07	41303A121-015 2118.51	514
2	41103A121-020 1715.85	41203A121-020 1715.85	41303A121-020 2149.12	514
2-1/2	41103A121-025 1747.84	41203A121-025 1747.84	41303A121-025 2196.44	514
3	41103A121-030 2022.82	41203A121-030 2022.82	41303A121-030 2480.90	514
4	41103A121-040 2231.88	41203A121-040 2231.88	41303A121-040 2845.76	514
6	41103A121-060 3076.01	41203A121-060 3076.01	41303A121-060 4116.70	514
8	41103A121-080 3686.35	41203A121-080 3686.35	41303A121-080 5428.51	514
10	41103A121-100 5672.90	41203A121-100 5672.90	41303A121-100 9173.52	514
12	41103A123-120 7171.20	41203A123-120 7171.20	41303A123-120 12553.60	514



Actuated Valves Premium Actuated Standard Butterfly Valve - Pneumatic



Industrial grade valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C) (Thru 12")
- 14"-100 psi, 16"- 85 psi, 18"-70 psi, 20"-24"-50 psi
- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See **Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves** for Add-on Actuator Accessories

NOTE: Due to variations in potential system operating conditions, 14" -24" Actuated Butterfly Valve packages are sized and priced according to application parameters. Please contact Spears® for additional information.

PVC

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	41101H101-015 590.15	41201H101-015 590.15	41301H101-015 838.59	540
1-1/2 Air to Spring	41101J101-015 656.06	41201J101-015 656.06	41301J101-015 904.49	540
2 Air to Air	41101H101-020 630.17	41201H101-020 630.17	41301H101-020 876.52	540
2 Air to Spring	41101J101-020 785.99	41201J101-020 785.99	41301J101-020 1032.32	540
2-1/2 Air to Air	41101H101-025 653.53	41201H101-025 653.53	41301H101-025 908.19	540
2-1/2 Air to Spring	41101J101-025 869.27	41201J101-025 869.27	41301J101-025 1123.94	540
3 Air to Air	41101H101-030 761.67	41201H101-030 761.67	41301H101-030 1020.52	540
3 Air to Spring	41101J101-030 938.45	41201J101-030 938.45	41301J101-030 1197.31	540
4 Air to Air	41101H101-040 893.29	41201H101-040 893.29	41301H101-040 1244.01	540
4 Air to Spring	41101J101-040 1138.99	41201J101-040 1138.99	41301J101-040 1489.71	540
6 Air to Air	41101H101-060 1252.71	41201H101-060 1252.71	41301H101-060 1854.00	540
6 Air to Spring	41101J101-060 1735.13	41201J101-060 1735.13	41301J101-060 2336.43	540
8 Air to Air	41101H101-080 1777.88	41201H101-080 1777.88	41301H101-080 2771.66	540
8 Air to Spring	41101J101-080 2455.09	41201J101-080 2455.09	41301J101-080 3448.84	540
10 Air to Air	41101H101-100 2649.04	41201H101-100 2649.04	41301H101-100 4636.56	540
10 Air to Spring	41101J101-100 3841.61	41201J101-100 3841.61	41301J101-100 5829.13	540
12 Air to Air	41101H101-120 3135.83	41201H101-120 3135.83	41301H101-120 6196.46	540
12 Air to Spring	41101J101-120 4328.41	41201J101-120 4328.41	41301J101-120 7389.02	540

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	41102H101-015 688.29	41202H101-015 688.29	41302H101-015 1018.14	542
1-1/2 Air to Spring	41102J101-015 754.20	41202J101-015 754.20	41302J101-015 1084.06	542
2 Air to Air	41102H101-020 726.21	41202H101-020 726.21	41302H101-020 1047.71	542
2 Air to Spring	41102J101-020 882.03	41202J101-020 882.03	41302J101-020 1203.50	542
2-1/2 Air to Air	41102H101-025 755.79	41202H101-025 755.79	41302H101-025 1091.93	542
2-1/2 Air to Spring	41102J101-025 971.93	41202J101-025 971.93	41302J101-025 1307.68	542
3 Air to Air	41102H101-030 886.91	41202H101-030 886.91	41302H101-030 1258.52	542

CPVC (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
3 Air to Spring	41102J101-030 1063.69	41202J101-030 1063.69	41302J101-030 1435.31	542
4 Air to Air	41102H101-040 1039.41	41202H101-040 1039.41	41302H101-040 1548.88	542
4 Air to Spring	41102J101-040 1285.12	41202J101-040 1285.12	41302J101-040 1794.59	542
6 Air to Air	41102H101-060 1469.82	41202H101-060 1469.82	41302H101-060 2342.51	542
6 Air to Spring	41102J101-060 1952.26	41202J101-060 1952.26	41302J101-060 2824.93	542
8 Air to Air	41102H101-080 2153.67	41202H101-080 2153.67	41302H101-080 3598.43	542
8 Air to Spring	41102J101-080 2830.85	41202J101-080 2830.85	41302J101-080 4275.61	542
10 Air to Air	41102H101-100 3396.47	41202H101-100 3396.47	41302H101-100 6298.41	542
10 Air to Spring	41102J101-100 4589.04	41202J101-100 4589.04	41302J101-100 7490.97	542
12 Air to Air	41102H101-120 4121.24	41202H101-120 4121.24	41302H101-120 7893.81	542
12 Air to Spring	41102J101-120 5313.81	41202J101-120 5313.81	41302J101-120 9086.37	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Polypropylene

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	41103H101-015 796.15	41203H101-015 796.15	41303H101-015 1222.59	544
1-1/2 Air to Spring	41103J101-015 862.06	41203J101-015 862.06	41303J101-015 1288.50	544
2 Air to Air	41103H101-020 819.93	41203H101-020 819.93	41303H101-020 1253.19	544
2 Air to Spring	41103J101-020 975.76	41203J101-020 975.76	41303J101-020 1409.00	544
2-1/2 Air to Air	41103H101-025 851.90	41203H101-025 851.90	41303H101-025 1300.51	544
2-1/2 Air to Spring	41103J101-025 1067.66	41203J101-025 1067.66	41303J101-025 1516.26	544
3 Air to Air	41103H101-030 968.09	41203H101-030 968.09	41303H101-030 1426.18	544
3 Air to Spring	41103J101-030 1144.87	41203J101-030 1144.87	41303J101-030 1602.97	544
4 Air to Air	41103H101-040 1126.20	41203H101-040 1126.20	41303H101-040 1740.07	544
4 Air to Spring	41103J101-040 1371.90	41203J101-040 1371.90	41303J101-040 1985.78	544
6 Air to Air	41103H101-060 1613.76	41203H101-060 1613.76	41303H101-060 2654.47	544
6 Air to Spring	41103J101-060 2096.17	41203J101-060 2096.17	41303J101-060 3136.87	544
8 Air to Air	41103H101-080 2391.89	41203H101-080 2391.89	41303H101-080 4134.06	544
8 Air to Spring	41103J101-080 3069.07	41203J101-080 3069.07	41303J101-080 4362.87	544
10 Air to Air	41103H101-100 3869.05	41203H101-100 3869.05	41303H101-100 7369.67	544

Actuated Valves
Premium Actuated Standard Butterfly Valve - Pneumatic



Polypropylene (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
10 Air to Spring	41103J101-100 5061.64	41203J101-100 5061.64	41303J101-100 8562.24	544
12 Air to Air	41103H101-120 4720.14	41203H101-120 4720.14	41303H101-120 10102.52	544
12 Air to Spring	41103J101-120 5912.71	41203J101-120 5912.71	41303J101-120 11295.11	544

14, 16, 18, 20 & 24 - Price On Application

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.



Actuated Valves Premium Actuated Lug Insert Butterfly Valve - Electric



Industrial grade valve with factory assembled lug inserts. Patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C)
- 115 VAC standard, optional voltages available
- Zinc or SS Lug Inserts
- 2-Position Operation with 2-SPDT Limit Switches
- NEMA 4 Enclosure, Powder Coated
- Dec clutchable Manual Override
- Position Indicator

See **Electric Actuator Accessories** for Add-on Actuator Accessories

PVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	41121A121-015 1564.73	41221A121-015 1564.73	41321A121-015 1790.54	510
2	41121A121-020 1608.03	41221A121-020 1608.03	41321A121-020 1844.66	510
2-1/2	41121A121-025 1651.30	41221A121-025 1651.30	41321A121-025 1859.53	510
3	41121A121-030 2118.07	41221A121-030 2118.07	41321A121-030 2343.89	510
4	41121A121-040 2832.62	41221A121-040 2832.62	41321A121-040 3109.80	510
6	41121A121-060 3768.12	41221A121-060 3768.12	41321A121-060 4269.76	510
8	41121A121-080 4136.55	41221A121-080 4136.55	41321A121-080 5114.15	510
10	41121A121-100 6408.66	41221A121-100 6408.66	41321A121-100 8332.74	510
12	41121A123-120 7725.68	41221A123-120 7725.68	41321A123-120 10421.83	510

PVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	41111A121-015 1504.71	41211A121-015 1504.71	41311A121-015 1745.24	510
2	41111A121-020 1551.24	41211A121-020 1551.24	41311A121-020 1883.33	510
2-1/2	41111A121-025 1571.65	41211A121-025 1571.65	41311A121-025 1829.11	510
3	41111A121-030 2038.30	41211A121-030 2038.30	41311A121-030 2231.67	510
4	41111A121-040 2689.30	41211A121-040 2689.30	41311A121-040 2927.27	510
6	41111A121-060 3580.17	41211A121-060 3580.17	41311A121-060 4008.81	510
8	41111A121-080 3902.63	41211A121-080 3902.63	41311A121-080 4861.29	510
10	41111A121-100 5939.48	41211A121-100 5939.48	41311A121-100 7575.55	510
12	41111A123-120 7183.48	41211A123-120 7183.48	41311A123-120 10269.03	510

CPVC - Stainless Steel Lug Inserts (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
12	41122A123-120 8642.41	41222A123-120 8642.41	41322A123-120 11778.02	512

CPVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	41112A121-015 1626.94	41212A121-015 1626.94	41312A121-015 1958.73	512
2	41112A121-020 1679.69	41212A121-020 1679.69	41312A121-020 1972.44	512
2-1/2	41112A121-025 1686.47	41212A121-025 1686.47	41312A121-025 2002.60	512
3	41112A121-030 2153.23	41212A121-030 2153.23	41312A121-030 2395.27	512
4	41112A121-040 2851.60	41212A121-040 2851.55	41312A121-040 3196.34	512
6	41112A121-060 3853.31	41212A121-060 3853.31	41312A121-060 4391.46	512
8	41112A121-080 4231.20	41212A121-080 4231.20	41312A121-080 5540.06	512
10	41112A121-100 6606.06	41212A121-100 6606.06	41312A121-100 8873.60	512
12	41112A123-120 7954.19	41212A123-120 7954.19	41312A123-120 11407.54	512

CPVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	41122A121-015 1722.93	41222A121-015 1722.93	41322A121-015 2006.88	512
2	41122A121-020 1774.34	41222A121-020 1774.34	41322A121-020 2048.82	512
2-1/2	41122A121-025 1781.11	41222A121-025 1781.11	41322A121-025 2077.22	512
3	41122A121-030 2253.30	41222A121-030 2253.30	41322A121-030 2545.36	512
4	41122A121-040 3086.82	41222A121-040 3086.82	41322A121-040 3426.21	512
6	41122A121-060 4080.47	41222A121-060 4080.47	41322A121-060 4715.96	512
8	41122A121-080 4540.83	41222A121-080 4540.83	41322A121-080 5833.48	512
10	41122A121-100 7215.89	41222A121-100 7215.89	41322A121-100 9502.34	512

Actuated Valves Premium Actuated Lug Insert Butterfly Valve - Pneumatic



Industrial grade valve with factory assembled lug inserts. Patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C)
- Zinc or SS Lug Inserts
- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See **Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves** for Add-on Actuator Accessories

PVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	41121H101-015 864.67	41221H101-015 853.35	41321H101-015 1079.15	540
1-1/2 Air to Spring	41121J101-015 914.44	41221J101-015 914.44	41321J101-015 1140.24	540
2 Air to Air	41121H101-020 896.65	41221H101-020 896.65	41321H101-020 1133.29	540
2 Air to Spring	41121J101-020 1043.95	41221J101-020 1043.95	41321J101-020 1280.57	540
2-1/2 Air to Air	41121H101-025 986.98	41221H101-025 986.98	41321H101-025 1195.20	540
2-1/2 Air to Spring	41121J101-025 1191.77	41221J101-025 1191.77	41321J101-025 1399.99	540
3 Air to Air	41121H101-030 1234.24	41221H101-030 1234.24	41321H101-030 1460.05	540
3 Air to Spring	41121J101-030 1272.71	41221J101-030 1272.71	41321J101-030 1498.52	540
4 Air to Air	41121H101-040 1643.39	41221H101-040 1643.39	41321H101-040 1920.57	540
4 Air to Spring	41121J101-040 1873.34	41221J101-040 1873.34	41321J101-040 2150.52	540
6 Air to Air	41121H101-060 2323.80	41221H101-060 2323.80	41321H101-060 2825.44	540
6 Air to Spring	41121J101-060 2650.03	41221J101-060 2650.03	41321J101-060 3151.66	540
8 Air to Air	41121H101-080 2777.81	41221H101-080 2777.81	41321H101-080 3755.39	540
8 Air to Spring	41121J101-080 3560.30	41221J101-080 3560.30	41321J101-080 4537.89	540
10 Air to Air	41121H101-100 4576.66	41221H101-100 4576.66	41321H101-100 6500.76	540
10 Air to Spring	41121J101-100 5736.05	41221J101-100 5736.05	41321J101-100 7660.14	540
12 Air to Air	41121H101-120 5118.63	41221H101-120 5118.63	41321H101-120 7814.78	540
12 Air to Spring	41121J101-120 6264.74	41221J101-120 6264.74	41321J101-120 8960.91	540

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

PVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	41111H101-015 768.18	41211H101-015 768.18	41311H101-015 970.99	540
1-1/2 Air to Spring	41111J101-015 829.26	41211J101-015 829.26	41311J101-015 1032.07	540
2 Air to Air	41111H101-020 839.86	41211H101-020 839.86	41311H101-020 1021.05	540
2 Air to Spring	41111J101-020 987.17	41211J101-020 987.17	41311J101-020 1168.36	540
2-1/2 Air to Air	41111H101-025 907.20	41211H101-025 907.20	41311H101-025 1101.90	540
2-1/2 Air to Spring	41111J101-025 1112.00	41211J101-025 1112.00	41311J101-025 1306.70	540
3 Air to Air	41111H101-030 1154.47	41211H101-030 1154.47	41311H101-030 1347.83	540

PVC - Zinc Lug Inserts (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
3 Air to Spring	41111J101-030 1192.94	41211J101-030 1192.94	41311J101-030 1386.30	540
4 Air to Air	41111H101-040 1500.06	41211H101-040 1500.06	41311H101-040 1738.04	540
4 Air to Spring	41111J101-040 1730.00	41211J101-040 1730.00	41311J101-040 1967.98	540
6 Air to Air	41111H101-060 2261.61	41211H101-060 2261.61	41311H101-060 2564.49	540
6 Air to Spring	41111J101-060 2462.09	41211J101-060 2462.09	41311J101-060 2890.71	540
8 Air to Air	41111H101-080 2543.87	41211H101-080 2543.87	41311H101-080 3376.79	540
8 Air to Spring	41111J101-080 3326.37	41211J101-080 3326.37	41311J101-080 4159.28	540
10 Air to Air	41111H101-100 4107.49	41211H101-100 4107.49	41311H101-100 5743.56	540
10 Air to Spring	41111J101-100 5266.87	41211J101-100 5266.87	41311J101-100 6902.95	540
12 Air to Air	41111H101-120 4576.43	41211H101-120 4576.43	41311H101-120 7661.99	540
12 Air to Spring	41111J101-120 5722.54	41211J101-120 5722.54	41311J101-120 8808.11	540

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC - Stainless Steel Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	41122H101-015 1011.54	41222H101-015 1011.54	41322H101-015 1295.50	542
1-1/2 Air to Spring	41122J101-015 1072.64	41222J101-015 1072.64	41322J101-015 1356.59	542
2 Air to Air	41122H101-020 1062.96	41222H101-020 1062.96	41322H101-020 1337.45	542
2 Air to Spring	41122J101-020 1210.27	41222J101-020 1210.27	41322J101-020 1484.74	542
2-1/2 Air to Air	41122H101-025 1116.79	41222H101-025 1116.79	41322H101-025 1412.89	542
2-1/2 Air to Spring	41122J101-025 1321.57	41222J101-025 1321.57	41322J101-025 1617.69	542
3 Air to Air	41122H101-030 1369.47	41222H101-030 1369.47	41322H101-030 1661.52	542
3 Air to Spring	41122J101-030 1408.26	41222J101-030 1407.93	41322J101-030 1699.99	542
4 Air to Air	41122H101-040 1897.59	41222H101-040 1897.59	41322H101-040 2236.99	542
4 Air to Spring	41122J101-040 2127.53	41222J101-040 2127.53	41322J101-040 2466.93	542
6 Air to Air	41122H101-060 2636.15	41222H101-060 2636.15	41322H101-060 3271.64	542
6 Air to Spring	41122J101-060 2962.38	41222J101-060 2962.38	41322J101-060 3597.87	542
8 Air to Air	41122H101-080 3182.09	41222H101-080 3182.09	41322H101-080 4474.72	542
8 Air to Spring	41122J101-080 3964.57	41222J101-080 3964.57	41322J101-080 5257.22	542



Actuated Valves
Premium Actuated Lug Insert Butterfly Valve - Pneumatic

CPVC - Stainless Steel Lug Inserts (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
10 Air to Air	41122H101-100 5383.89	41222H101-100 5383.89	41322H101-100 7670.35	542
10 Air to Spring	41122J101-100 5965.73	41222J101-100 5965.73	41322J101-100 8252.18	542
12 Air to Air	41122H101-120 6035.38	41222H101-120 6035.38	41322H101-120 9170.97	542
12 Air to Spring	41122J101-120 7181.50	41222J101-120 7181.50	41322J101-120 10317.09	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC - Zinc Lug Inserts

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	41112H101-015 915.55	41212H101-015 915.55	41312H101-015 1146.77	542
1-1/2 Air to Spring	41112J101-015 976.38	41212J101-015 976.38	41312J101-015 1207.85	542
2 Air to Air	41112H101-020 968.31	41212H101-020 968.31	41312H101-020 1198.18	542
2 Air to Spring	41112J101-020 1115.62	41212J101-020 1115.59	41312J101-020 1345.49	542
2-1/2 Air to Air	41112H101-025 1022.14	41212H101-025 1022.14	41312H101-025 1262.81	542
2-1/2 Air to Spring	41112J101-025 1226.93	41212J101-025 1226.93	41312J101-025 1467.61	542
3 Air to Air	41112H101-030 1269.39	41212H101-030 1269.39	41312H101-030 1511.43	542
3 Air to Spring	41112J101-030 1307.86	41212J101-030 1307.86	41312J101-030 1549.89	542
4 Air to Air	41112H101-040 1662.33	41212H101-040 1662.33	41312H101-040 2007.12	542
4 Air to Spring	41112J101-040 1892.27	41212J101-040 1892.27	41312J101-040 2237.06	542
6 Air to Air	41112H101-060 2408.99	41212H101-060 2408.99	41312H101-060 2947.14	542
6 Air to Spring	41112J101-060 2735.21	41212J101-060 2735.21	41312J101-060 3273.36	542
8 Air to Air	41112H101-080 2872.46	41212H101-080 2872.46	41312H101-080 4181.32	542
8 Air to Spring	41112J101-080 3654.95	41212J101-080 3654.95	41312J101-080 4963.81	542
10 Air to Air	41112H101-100 4774.09	41212H101-100 4774.09	41312H101-100 7041.62	542
10 Air to Spring	41112J101-100 5355.91	41212J101-100 5355.91	41312J101-100 7623.45	542
12 Air to Air	41112H101-120 5347.14	41212H101-120 5347.14	41312H101-120 8800.49	542
12 Air to Spring	41112J101-120 6493.26	41212J101-120 6493.26	41312J101-120 9946.61	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Actuated Valves Premium Actuated True Lug Butterfly Valve - Electric



Industrial grade lug style valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C)
- 115 VAC standard, optional voltages available
- 2-Position Operation with 2-SPDT Limit Switches
- NEMA 4 Enclosure, Powder Coated
- Dec clutchable Manual Override
- Position Indicator

See **Electric Actuator Accessories** for Add-on Actuator Accessories

PVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	51121A121-015 1910.46	51221A121-015 1910.46	51321A121-015 2226.70	510
2	51121A121-020 1939.15	51221A121-020 1939.15	51321A121-020 2271.05	510
2-1/2	51121A121-025 2015.27	51221A121-025 2015.27	51321A121-025 2305.22	510
3	51121A121-030 2285.43	51221A121-030 2285.43	51321A121-030 2603.19	510
4	51121A121-040 3011.52	51221A121-040 3011.52	51321A121-040 3399.51	510
6	51121A121-060 3998.43	51221A121-060 3998.43	51321A121-060 4700.12	510
8	51121A121-080 4417.70	51221A121-080 4417.70	51321A121-080 5785.27	510
10	51121A121-100 7218.93	51221A121-100 7218.93	51321A121-100 9910.49	510
12	51121A123-120 8555.45	51221A123-120 8555.45	51321A123-120 12327.45	510

PVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	51111A121-015 1791.73	51211A121-015 1791.73	51311A121-015 2076.87	510
2	51111A121-020 1860.43	51211A121-020 1860.43	51311A121-020 2112.91	510
2-1/2	51111A121-025 1906.27	51211A121-025 1906.27	51311A121-025 2176.05	510
3	51111A121-030 2175.05	51211A121-030 2175.05	51311A121-030 2445.10	510
4	51111A121-040 2813.49	51211A121-040 2813.49	51311A121-040 3064.71	510
6	51111A121-060 3737.67	51211A121-060 3737.67	51311A121-060 4336.37	510
8	51111A121-080 4092.59	51211A121-080 4092.59	51311A121-080 5256.87	510
10	51111A121-100 6564.15	51211A121-100 6564.15	51311A121-100 8851.99	510
12	51111A123-120 7798.13	51211A123-120 7798.13	51311A123-120 10354.49	510

CPVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	51122A121-015 2132.62	51222A121-015 2132.62	51322A121-015 2531.15	512
2	51122A121-020 2172.51	51222A121-020 2172.51	51322A121-020 2555.89	512
2-1/2	51122A121-025 2196.94	51222A121-025 2196.94	51322A121-025 2611.50	512
3	51122A121-030 2476.12	51222A121-030 2476.12	51322A121-030 2884.64	512
4	51122A121-040 3367.85	51222A121-040 3367.85	51322A121-040 3844.01	512
6	51122A121-060 4031.68	51222A121-060 4031.68	51322A121-060 5325.59	512
8	51122A121-080 4984.57	51222A121-080 4984.57	51322A121-080 6616.68	512
10	51122A121-100 8351.78	51222A121-100 8351.78	51322A121-100 11546.40	512

CPVC - Stainless Steel Lugs (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
12	51122A123-120 9838.35	51222A123-120 9838.35	51322A123-120 14223.79	512

CPVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2	51112A121-015 1999.54	51212A121-015 1999.54	51312A121-015 2321.74	512
2	51112A121-020 2040.05	51212A121-020 2040.05	51312A121-020 2362.23	512
2-1/2	51112A121-025 2063.22	51212A121-025 2063.22	51312A121-025 2402.34	512
3	51112A121-030 2226.34	51212A121-030 2226.34	51312A121-030 2675.46	512
4	51112A121-040 3037.23	51212A121-040 3037.23	51312A121-040 3522.62	512
6	51112A121-060 4119.17	51212A121-060 4119.17	51312A121-060 4871.17	512
8	51112A121-080 4551.98	51212A121-080 4551.98	51312A121-080 6029.46	512
10	51112A121-100 7498.05	51212A121-100 7498.05	51312A121-100 10315.65	512
12	51112A123-120 8874.98	51212A123-120 8874.98	51312A123-120 11595.54	512



Actuated Valves Premium Actuated True Lug Butterfly Valve - Pneumatic



Industrial grade lug style valve with patented seat design uses no liner. Eliminates seat-creep and reduces operating torque. Full-featured actuator can be custom configured with add-on accessories.

- Solid SS316L Stem
- ANSI Class 150 Bolt Pattern
- 150 psi @ 73°F (23°C)
- Zinc or SS Lugs

- 80 psi Operating Pressure, other options available
- 2-Position Air-Air or Air-Spring Closed (optional spring open)
- Dual Rack & Pinion with Adjustable Stops
- Manual Override
- Position Indicator

See **Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves** for Add-on Actuator Accessories

PVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	51121H101-015 1014.52	51221H101-015 1014.52	51321H101-015 1330.78	540
1-1/2 Air to Spring	51121J101-015 1080.45	51221J101-015 1080.45	51321J101-015 1396.69	540
2 Air to Air	51121H101-020 1046.22	51221H101-020 1046.22	51321H101-020 1375.11	540
2 Air to Spring	51121J101-020 1335.09	51221J101-020 1199.05	51321J101-020 1530.91	540
2-1/2 Air to Air	51121H101-025 1119.33	51221H101-025 1119.33	51321H101-025 1409.30	540
2-1/2 Air to Spring	51121J101-025 1335.09	51221J101-025 1335.09	51321J101-025 1625.03	540
3 Air to Air	51121H101-030 1230.68	51221H101-030 1230.68	51321H101-030 1548.45	540
3 Air to Spring	51121J101-030 1407.47	51221J101-030 1407.47	51321J101-030 1725.24	540
4 Air to Air	51121H101-040 1905.84	51221H101-040 1905.84	51321H101-040 2293.84	540
4 Air to Spring	51121J101-040 2151.54	51221J101-040 2151.54	51321J101-040 2539.56	540
6 Air to Air	51121H101-060 2536.17	51221H101-060 2536.17	51321H101-060 3237.87	540
6 Air to Spring	51121J101-060 3018.57	51221J101-060 3018.57	51321J101-060 3720.28	540
8 Air to Air	51121H101-080 3123.26	51221H101-080 3123.26	51321H101-080 4490.82	540
8 Air to Spring	51121J101-080 3800.44	51221J101-080 3800.44	51321J101-080 5168.02	540
10 Air to Air	51121H101-100 5415.09	51221H101-100 5415.09	51321H101-100 8106.64	540
10 Air to Spring	51121J101-100 6547.72	51221J101-100 6547.72	51321J101-100 9299.23	540
12 Air to Air	51121H101-120 6104.38	51221H101-120 6104.38	51321H101-120 9874.89	540
12 Air to Spring	51121J101-120 7296.95	51221J101-120 7296.95	51321J101-120 11067.45	540

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

PVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	51111H101-015 895.80	51211H101-015 895.80	51311H101-015 1180.96	540
1-1/2 Air to Spring	51111J101-015 961.73	51211J101-015 961.73	51311J101-015 1246.86	540
2 Air to Air	51111H101-020 964.49	51211H101-020 964.49	51311H101-020 1216.99	540
2 Air to Spring	51111J101-020 1120.31	51211J101-020 1120.31	51311J101-020 1372.82	540
2-1/2 Air to Air	51111H101-025 1010.32	51211H101-025 1010.32	51311H101-025 1280.13	540
2-1/2 Air to Spring	51111J101-025 1226.07	51211J101-025 1226.07	51311J101-025 1495.86	540

PVC - Zinc Lugs (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
3 Air to Air	51111H101-030 1120.33	51211H101-030 1120.33	51311H101-030 1390.36	540
3 Air to Spring	51111J101-030 1297.13	51211J101-030 1297.13	51311J101-030 1567.15	540
4 Air to Air	51111H101-040 1707.81	51211H101-040 1707.81	51311H101-040 1959.02	540
4 Air to Spring	51111J101-040 1953.51	51211J101-040 2466.56	51311J101-040 2204.72	540
6 Air to Air	51111H101-060 2275.43	51211H101-060 2275.43	51311H101-060 2874.13	540
6 Air to Spring	51111J101-060 2757.83	51211J101-060 2757.83	51311J101-060 3356.54	540
8 Air to Air	51111H101-080 2798.15	51211H101-080 2798.15	51311H101-080 3962.43	540
8 Air to Spring	51111J101-080 4020.69	51211J101-080 4020.69	51311J101-080 4639.62	540
10 Air to Air	51111H101-100 4760.31	51211H101-100 4760.31	51311H101-100 7048.17	540
10 Air to Spring	51111J101-100 5952.88	51211J101-100 5952.88	51311J101-100 8240.73	540
12 Air to Air	51111H101-120 5347.06	51211H101-120 5347.06	51311H101-120 7903.43	540
12 Air to Spring	51111J101-120 6539.65	51211J101-120 6539.65	51311J101-120 9096.00	540

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC - Stainless Steel Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	51122H101-015 1236.67	51222H101-015 1236.67	51322H101-015 1635.23	542
1-1/2 Air to Spring	51122J101-015 1302.60	51222J101-015 1302.60	51322J101-015 1701.14	542
2 Air to Air	51122H101-020 1276.60	51222H101-020 1276.60	51322H101-020 1659.94	542
2 Air to Spring	51122J101-020 1432.41	51222J101-020 1432.41	51322J101-020 1815.77	542
2-1/2 Air to Air	51122H101-025 1301.01	51222H101-025 1301.01	51322H101-025 1715.56	542
2-1/2 Air to Spring	51122J101-025 1516.74	51222J101-025 1516.74	51322J101-025 1931.31	542
3 Air to Air	51122H101-030 1421.38	51222H101-030 1421.38	51322H101-030 1829.90	542
3 Air to Spring	51122J101-030 1598.17	51222J101-030 1598.17	51322J101-030 2006.70	542
4 Air to Air	51122H101-040 2262.18	51222H101-040 2262.18	51322H101-040 2738.33	542
4 Air to Spring	51122J101-040 2507.87	51222J101-040 2507.87	51322J101-040 2984.04	542
6 Air to Air	51122H101-060 2973.95	51222H101-060 2973.95	51322H101-060 3863.32	542
6 Air to Spring	51122J101-060 3456.36	51222J101-060 3456.36	51322J101-060 4345.77	542

Actuated Valves
Premium Actuated True Lug Butterfly Valve - Pneumatic



CPVC - Stainless Steel Lugs (continued)

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
8 Air to Air	51122H101-080 3690.12	51222H101-080 3690.12	51322H101-080 5322.21	542
8 Air to Spring	51122J101-080 4367.30	51222J101-080 4367.30	51322J101-080 5999.43	542
10 Air to Air	51122H101-100 6547.94	51222H101-100 6547.94	51322H101-100 9742.55	542
10 Air to Spring	51122J101-100 7740.52	51222J101-100 7740.52	51322J101-100 10935.13	542
12 Air to Air	51122H101-120 7387.29	51222H101-120 7387.29	51322H101-120 11772.72	542
12 Air to Spring	51122J101-120 8579.88	51222J101-120 8579.88	51322J101-120 12965.30	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

CPVC - Zinc Lugs

Size	Buna-N O-ring	EPDM O-ring	Viton® O-ring	Disc Code
1-1/2 Air to Air	51112H101-015 1103.60	51212H101-015 1103.60	51312H101-015 1425.81	542
1-1/2 Air to Spring	51112J101-015 1169.53	51212J101-015 1169.53	51312J101-015 1491.72	542
2 Air to Air	51112H101-020 1144.12	51212H101-020 1144.12	51312H101-020 1466.30	542
2 Air to Spring	51112J101-020 1299.94	51212J101-020 1299.94	51312J101-020 1622.11	542
2-1/2 Air to Air	51112H101-025 1167.27	51212H101-025 1167.27	51312H101-025 1506.41	542
2-1/2 Air to Spring	51112J101-025 1383.01	51212J101-025 1383.01	51312J101-025 1722.16	542
3 Air to Air	51112H101-030 1171.61	51212H101-030 1171.61	51312H101-030 1620.72	542
3 Air to Spring	51112J101-030 1348.37	51212J101-030 1348.37	51312J101-030 1797.52	542
4 Air to Air	51112H101-040 1931.54	51212H101-040 1931.54	51312H101-040 2416.95	542
4 Air to Spring	51112J101-040 2177.24	51212J101-040 2177.24	51312J101-040 2662.64	542
6 Air to Air	51112H101-060 2656.90	51212H101-060 2656.90	51312H101-060 3408.93	542
6 Air to Spring	51112J101-060 3139.35	51212J101-060 3139.35	51312J101-060 3891.35	542
8 Air to Air	51112H101-080 3257.54	51212H101-080 3257.54	51312H101-080 4735.01	542
8 Air to Spring	51112J101-080 3934.71	51212J101-080 3934.71	51312J101-080 5412.21	542
10 Air to Air	51112H101-100 5694.19	51212H101-100 5694.19	51312H101-100 8511.82	542
10 Air to Spring	51112J101-100 6886.78	51212J101-100 6886.78	51312J101-100 9704.39	542
12 Air to Air	51112H101-120 6423.93	51212H101-120 6423.93	51312H101-120 9144.48	542
12 Air to Spring	51112J101-120 7616.49	51212J101-120 7616.49	51312J101-120 10337.05	542

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.



Actuated Valves Premium Actuated Diaphragm Valve - Electric



Industrial grade Weir-type design, excellent for throttling and use with viscous fluids. Full-featured actuator can be custom configured with add-on accessories.

- Stainless Steel Hardware
- 235 psi @ 73°F (23°C) - sizes 1/2"- 2"
(flanged & PTFE diaphragm-150 psi),
2-1/2"- 4"-150 psi
- 115 VAC standard, optional voltages available
- Multi-turn Operation with 2-SPDT Limit Switches
- NEMA 4 Enclosure, Powder Coated

See **Electric Actuator Accessories** for Add-on Actuator Accessories

PVC - EPDM and Viton® Diaphragms

Material	EPDM O-ring & EPDM Diaphragm				Viton® O-ring & Viton® Diaphragm				Disc Code
Joint	Socket Part # Price Each	SR Threaded Part # Price Each	Spigot Part # Price Each	Flanged Part # Price Each	Socket Part # Price Each	SR Thread Part # Price Each	Spigot Part # Price Each	Flanged Part # Price Each	
1/2	91121A101-005 1809.48	93121A101-005 1814.55	94021A101-005 1806.27	95021A101-005 1886.16	91231A101-005 1823.77	93231A101-005 1828.86	94031A101-005 1820.16	95031A101-005 1903.12	520
3/4	91121A101-007 1826.85	93121A101-007 1834.17	94021A101-007 1822.12	95021A101-007 1911.57	91231A101-007 1843.03	93231A101-007 1850.34	94031A101-007 1837.19	95031A101-007 1917.38	520
1	91121A101-010 1866.71	93121A101-010 1876.87	94021A101-010 1862.14	95021A101-010 1946.37	91231A101-010 1884.52	93231A101-010 1894.63	94031A101-010 1877.77	95031A101-010 1977.06	520
1-1/4	91121A101-012 1956.06	93121A101-012 1972.35	94021A101-012 1947.41	95021A101-012 2039.32	91231A101-012 2006.91	93231A101-012 2022.88	94031A101-012 2000.90	95031A101-012 2077.03	520
1-1/2	91121A101-015 1969.81	93121A101-015 1997.63	94021A101-015 1962.74	95021A101-015 2043.56	91231A101-015 2014.29	93231A101-015 2014.29	94031A101-015 2006.10	95031A101-015 2085.06	520
2	91121A101-020 2741.63	93121A101-020 2797.27	94021A101-020 2731.02	95021A101-020 2832.77	91231A101-020 2804.89	93231A101-020 2862.13	94031A101-020 2790.90	95031A101-020 2862.98	520
2-1/2	---	---	---	95021A101-025 3286.74	---	---	---	95031A101-025 3373.23	520
3	---	---	---	95021A101-030 3490.56	---	---	---	95031A101-030 3580.47	520
4	---	---	---	95021A101-040 4115.86	---	---	---	95031A101-040 4217.20	520

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.
O-rings used on Socket and SR Thread End Connectors only.

PVC - Elastomer Backed Diaphragms

Material	EPDM O-ring & EPDM Backed PTFE Diaphragm				Viton® O-ring & EPDM Backed PTFE Diaphragm				Disc Code
Joint	Socket Part # Price Each	SR Thread Part # Price Each	Spigot Part # Price Each	Flanged Part # Price Each	Socket Part # Price Each	SR Thread Part # Price Each	Spigot Part # Price Each	Flanged Part # Price Each	
1/2	91151A101-005 1885.79	93151A101-005 1890.90	94051A101-005 1878.76	95051A101-005 1961.31	91251A101-005 1908.27	93251A101-005 1913.37	---	---	520
3/4	91151A101-007 1899.72	93151A101-007 1907.05	94051A101-007 1892.02	95051A101-007 1984.05	91251A101-007 1926.45	93251A101-007 1933.77	---	---	520
1	91151A101-010 2002.52	93151A101-010 2012.66	94051A101-010 1995.04	95051A101-010 2073.02	91251A101-010 2014.06	93251A101-010 2024.19	---	---	520
1-1/4	91151A101-012 2120.78	93151A101-012 2137.01	94051A101-012 2110.70	95051A101-012 2207.24	91251A101-012 2146.80	93251A101-012 2163.06	---	---	520
1-1/2	91151A101-015 2150.11	93151A101-015 2177.91	94051A101-015 2138.55	95051A101-015 2226.16	91251A101-015 2173.26	93251A101-015 2201.07	---	---	520
2	91151A101-020 2939.27	93151A101-020 2968.43	94051A101-020 2923.09	95051A101-020 3017.55	91251A101-020 2966.37	93251A101-020 3026.91	---	---	520
2-1/2	---	---	---	95051A101-025 3649.32	---	---	---	---	520
3	---	---	---	95051A101-030 4008.31	---	---	---	---	520
4	---	---	---	95051A101-040 4732.24	---	---	---	---	520

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.
O-rings used on Socket and SR Thread End Connectors only.

CPVC - EPDM and Viton® Diaphragms

Material	EPDM O-ring & EPDM Diaphragm				Viton® O-ring & Viton® Diaphragm				Disc Code
Joint	Socket Part # Price Each	SR Thread Part # Price Each	Spigot Part # Price Each	Flanged Part # Price Each	Socket Part # Price Each	SR Thread Part # Price Each	Spigot Part # Price Each	Flanged Part # Price Each	
1/2	91122A101-005 1908.51	93122A101-005 1913.61	94022A101-005 1902.76	95022A101-005 1956.06	91232A101-005 1972.53	93232A101-005 1977.62	94032A101-005 1963.36	95032A101-005 1849.94	522
3/4	91122A101-007 1934.18	93122A101-007 1941.50	94022A101-007 1927.18	95022A101-007 1988.53	91232A101-007 1991.84	93232A101-007 1999.16	94032A101-007 1982.23	95032A101-007 2020.70	522
1	91122A101-010 1979.19	93122A101-010 1989.32	94022A101-010 1972.97	95022A101-010 2065.71	91232A101-010 2064.97	93232A101-010 2075.11	94032A101-010 2054.40	95032A101-010 2110.49	522

**Actuated Valves
Premium Actuated Diaphragm Valve - Electric**



CPVC - EPDM and Viton® Diaphragms (continued)

Material	EPDM O-ring & EPDM Diaphragm					Viton® O-ring & Viton® Diaphragm					Disc Code
Joint	Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged			
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each			
1-1/4	91122A101-012 2125.88	93122A101-012 2142.15	94022A101-012 2114.85	95022A101-012 2170.86	91232A101-012 2254.15	93232A101-012 2270.37	94032A101-012 2239.85	95032A101-012 2241.31	522		
1-1/2	91122A101-015 2153.72	93122A101-015 2153.72	94022A101-015 2124.34	95022A101-015 2177.28	91232A101-015 2275.59	93232A101-015 2297.40	94032A101-015 2260.17	95032A101-015 2314.87	522		
2	91122A101-020 2891.54	93122A101-020 2950.55	94022A101-020 2771.61	95022A101-020 2545.79	91232A101-020 3016.18	93232A101-020 3077.73	94032A101-020 3000.36	95032A101-020 3028.90	522		
2-1/2	---	---	---	95022A101-025 3700.93	---	---	---	95032A101-025 3819.96	522		
3	---	---	---	95022A101-030 4219.86	---	---	---	95032A101-030 4390.71	522		
4	---	---	---	95022A101-040 5107.78	---	---	---	95032A101-040 5341.93	522		

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.
O-rings used on Socket and SR Thread End Connectors only.

CPVC Premium Actuated Diaphragm Valves -Electric

Material	EPDM O-ring & EPDM Backed PTFE Diaphragm				Viton® O-ring & EPDM Backed PTFE Diaphragm				Disc Code
Joint	Socket	SR Thread	Spigot	Flanged	Socket	SR Thread	Spigot	Flanged	
Size	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	Part # Price Each	
1/2	91152A101-005 2008.01	93152A101-005 2013.12	94052A101-005 1998.79	95052A101-005 2077.51	91252A101-005 2033.04	93252A101-005 2038.13	---	---	522
3/4	91152A101-007 2042.15	93152A101-007 2049.46	94052A101-007 2031.24	95052A101-007 2104.93	91252A101-007 2058.51	93252A101-007 2076.49	---	---	522
1	91152A101-010 2126.10	93152A101-010 2136.22	94052A101-010 2114.95	95052A101-010 2207.90	91252A101-010 2145.05	93252A101-010 2155.16	---	---	522
1-1/4	91152A101-012 2292.97	93152A101-012 2309.21	94052A101-012 2276.71	95052A101-012 2344.56	91252A101-012 2314.38	93252A101-012 2330.65	---	---	522
1-1/2	91152A101-015 2302.38	93152A101-015 2330.19	94052A101-015 2286.91	95052A101-015 2472.46	91252A101-015 2337.95	93252A101-015 2365.76	---	---	522
2	91152A101-020 3091.12	93152A101-020 3154.20	94052A101-020 3073.53	95052A101-020 3291.38	91252A101-020 3165.86	93252A101-020 3230.48	---	---	522
2-1/2	---	---	---	95052A101-025 4441.60	---	---	---	---	522
3	---	---	---	95052A101-030 4996.76	---	---	---	---	522
4	---	---	---	95052A101-040 6072.69	---	---	---	---	522

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors.
O-rings used on Socket and SR Thread End Connectors only.



Actuated Valves Premium Actuated Diaphragm Valve - Electric

Polypropylene - EPDM O-ring and EPDM Diaphragm

Size	SR Thread	Flanged	Disc Code
1/2	93123A101-005 1812.95	---	524
3/4	93123A101-007 1831.28	---	524
1	93123A101-010 1872.94	---	524
1-1/4	93123A101-012 1969.36	---	524
1-1/2	93123A101-015 1982.35	---	524
2	93123A101-020 2750.78	---	524
2-1/2	---	95023A101-025 3328.53	524
3	---	95023A101-030 3606.45	524
4	---	95023A101-040 4326.04	524

NOTE: O-rings used on SR Thread End Connectors only.

Polypropylene Premium Actuated Diaphragm Valves - Electric

Size	SR Thread	Flanged	Disc Code
Viton® O-ring and EPDM Backed PTFE Diaphragm SR Thread			
1/2	93253A101-005 1903.09	---	524
3/4	93253A101-007 1915.37	---	524
1	93253A101-010 2025.76	---	524
1-1/4	93253A101-012 2149.26	---	524
1-1/2	93253A101-015 2179.98	---	524
2	93253A101-020 2974.79	---	524

NOTE: O-rings used on SR Thread End Connectors only.

Polypropylene - Viton® O-ring and Viton® Diaphragm

Size	SR Thread	Flanged	Disc Code
1/2	93233A101-005 1827.82	---	524
3/4	93233A101-007 1847.77	---	524
1	93233A101-010 1891.87	---	524
1-1/4	93233A101-012 2001.45	---	524
1-1/2	93233A101-015 2014.89	---	524
2	93233A101-020 2789.84	---	524
2-1/2	---	95033A101-025 3396.46	524
3	---	95033A101-030 3703.38	524
4	---	95033A101-040 4460.31	524

NOTE: O-rings used on SR Thread End Connectors only.

Polypropylene - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	SR Thread	Flanged	Disc Code
1/2	93153A101-005 1892.00	---	524
3/4	93153A101-007 1901.88	---	524
1	93153A101-010 2009.01	---	524
1-1/4	93153A101-012 2127.89	---	524
1-1/2	93153A101-015 2157.13	---	524
2	93153A101-020 2989.99	---	524
2-1/2	---	95053A101-025 3711.37	524
3	---	95053A101-030 4100.90	524
4	---	95053A101-040 4871.11	524

NOTE: O-rings used on SR Thread End Connectors only.

Actuated Valves Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



Industrial grade Weir-type design, excellent for throttling and use with viscous fluids or slurries.

- Compact, Light Weight Design
- True Union Socket/Thread, SR Thread, or Spigot End Connections - sizes 1/2"-2" Pressure Rated to 235 psi @ 73°F (23°C)
- Flanged Ends (& PTFE diaphragms) - sizes 1/2" - 2" Pressure Rated to 150 psi @ 73°F (23°C)
- Corrosion Resistant Plastic Housing
- Stainless Steel Hardware
- 90 psi Operating Pressure
- Linear Action Operation with Preset Stops
- Air-Air, Air-Spring Closed, or Optional Air-Spring Open

NOTE: "Socket" valves include standard plastic thread end connectors.

PVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91121H850-005 173.00	93121H850-005 173.00	94021H850-005 167.81	95021H850-005 199.00	550
3/4 Air to Air	91121H850-007 185.00	93121H850-007 185.00	94021H850-007 179.45	95021H850-007 214.00	550
1 Air to Air	91121H850-010 195.00	93121H850-010 195.00	94021H850-010 189.15	95021H850-010 227.00	550
1-1/4 Air to Air	91121H850-012 306.25	93121H850-012 306.25	94021H850-012 297.06	95021H850-012 282.00	550
1-1/2 Air to Air	91121H850-015 308.00	93121H850-015 308.00	94021H850-015 298.76	95021H850-015 356.00	550
2 Air to Air	91121H850-020 375.00	93121H850-020 375.00	94021H850-020 363.75	95021H850-020 431.00	550
1/2 Air to Spring Close	91121J850-005 247.00	93121J850-005 247.00	94021J850-005 239.59	95021J850-005 286.00	550
3/4 Air to Spring Close	91121J850-007 275.00	93121J850-007 275.00	94021J850-007 266.75	95021J850-007 306.00	550
1 Air to Spring Close	91121J850-010 319.00	93121J850-010 319.00	94021J850-010 309.43	95021J850-010 325.00	550
1-1/4 Air to Spring Close	91121J850-012 393.00	93121J850-012 393.00	94021J850-012 441.35	95021J850-012 407.00	550
1-1/2 Air to Spring Close	91121J850-015 455.00	93121J850-015 455.00	94021J850-015 441.00	95021J850-015 488.00	550
2 Air to Spring Close	91121J850-020 557.00	93121J850-020 557.00	94021J850-020 540.29	95021J850-020 622.00	550
1/2 Air to Spring Open	91121K850-005 173.00	93121K850-005 173.00	94021K850-005 167.81	95021K850-005 199.00	550
3/4 Air to Spring Open	91121K850-007 185.00	93121K850-007 185.00	94021K850-007 179.45	95021K850-007 214.00	550
1 Air to Spring Open	91121K850-010 195.00	93121K850-010 195.00	94021K850-010 189.15	95021K850-010 227.00	550
1-1/4 Air to Spring Open	91121K850-012 245.00	93121K850-012 245.00	94021K850-012 237.65	95021K850-012 282.00	550
1-1/2 Air to Spring Open	91121K850-015 308.00	93121K850-015 308.00	94021K850-015 298.76	95021K850-015 356.00	550
2 Air to Spring Open	91121K850-020 375.00	93121K850-020 375.00	94021K850-020 363.75	95021K850-020 431.00	550

PVC - Viton® O-ring and Viton® Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91231H850-005 192.22	93231H850-005 192.22	94031H850-005 186.46	95031H850-005 221.11	550
3/4 Air to Air	91231H850-007 205.56	93231H850-007 205.56	94031H850-007 199.39	95031H850-007 237.78	550
1 Air to Air	91231H850-010 216.67	93231H850-010 216.67	94031H850-010 210.17	95031H850-010 252.22	550
1-1/4 Air to Air	91231H850-012 360.29	93231H850-012 360.29	94031H850-012 349.49	95031H850-012 331.76	550
1-1/2 Air to Air	91231H850-015 362.35	93231H850-015 362.35	94031H850-015 351.48	95031H850-015 418.82	550
2 Air to Air	91231H850-020 441.18	93231H850-020 441.18	94031H850-020 427.94	95031H850-020 507.06	550
1/2 Air to Spring Close	91231J850-005 274.44	93231J850-005 274.44	94031J850-005 266.21	95031J850-005 317.78	550
3/4 Air to Spring Close	91231J850-007 305.56	93231J850-007 305.56	94031J850-007 296.39	95031J850-007 340.00	550



Actuated Valves
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

PVC - Viton® O-ring and Viton® Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1 Air to Spring Close	91231J850-010 354.44	93231J850-010 354.44	94031J850-010 343.81	95031J850-010 361.11	550
1-1/4 Air to Spring Close	91231J850-012 462.35	93231J850-012 462.35	94031J850-012 448.48	95031J850-012 478.82	550
1-1/2 Air to Spring Close	91231J850-015 535.29	93231J850-015 535.29	94031J850-015 519.24	95031J850-015 574.12	550
2 Air to Spring Close	91231J850-020 655.29	93231J850-020 655.29	94031J850-020 635.64	95031J850-020 731.76	550
1/2 Air to Spring Open	91231K850-005 192.22	93231K850-005 192.22	94031K850-005 186.46	95031K850-005 221.11	550
3/4 Air to Spring Open	91231K850-007 205.56	93231K850-007 205.56	94031K850-007 199.39	95031K850-007 237.78	550
1 Air to Spring Open	91231K850-010 216.67	93231K850-010 216.67	94031K850-010 210.17	95031K850-010 252.22	550
1-1/4 Air to Spring Open	91231K850-012 288.24	93231K850-012 288.24	94031K850-012 279.59	95031K850-012 331.76	550
1-1/2 Air to Spring Open	91231K850-015 362.35	93231K850-015 362.35	94031K850-015 351.48	95031K850-015 418.82	550
2 Air to Spring Open	91231K850-020 441.18	93231K850-020 441.18	94031K850-020 427.94	95031K850-020 507.06	550

PVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91151H850-005 232.00	93151H850-005 232.00	94051H850-005 225.04	95051H850-005 288.00	550
3/4 Air to Air	91151H850-007 249.00	93151H850-007 249.00	94051H850-007 241.53	95051H850-007 287.00	550
1 Air to Air	91151H850-010 266.00	93151H850-010 266.00	94051H850-010 258.02	95051H850-010 304.00	550
1-1/4 Air to Air	91151H850-012 332.00	93151H850-012 332.00	94051H850-012 322.04	95051H850-012 378.00	550
1-1/2 Air to Air	91151H850-015 418.00	93151H850-015 418.00	94051H850-015 405.46	95051H850-015 478.00	550
2 Air to Air	91151H850-020 503.00	93151H850-020 503.00	94051H850-020 487.91	95051H850-020 578.00	550
1/2 Air to Spring Close	91151J850-005 308.00	93151J850-005 308.00	94051J850-005 298.76	95051J850-005 374.00	550
3/4 Air to Spring Close	91151J850-007 330.00	93151J850-007 330.00	94051J850-007 320.10	95051J850-007 396.00	550
1 Air to Spring Close	91151J850-010 351.00	93151J850-010 351.00	94051J850-010 340.47	95051J850-010 421.00	550
1-1/4 Air to Spring Close	91151J850-012 441.00	93151J850-012 441.00	94051J850-012 427.77	95051J850-012 528.00	550
1-1/2 Air to Spring Close	91151J850-015 528.00	93151J850-015 528.00	94051J850-015 512.16	95051J850-015 656.00	550
2 Air to Spring Close	91151J850-020 672.00	93151J850-020 672.00	94051J850-020 651.84	95051J850-020 805.00	550
1/2 Air to Spring Open	91151K850-005 232.00	93151K850-005 232.00	94051K850-005 225.04	95051K850-005 269.00	550
3/4 Air to Spring Open	91151K850-007 249.00	93151K850-007 249.00	94051K850-007 241.53	95051K850-007 288.00	550
1 Air to Spring Open	91151K850-010 266.00	93151K850-010 266.00	94051K850-010 258.02	95051K850-010 303.00	550
1-1/4 Air to Spring Open	91151K850-012 332.00	93151K850-012 332.00	94051K850-012 322.04	95051K850-012 382.00	550
1-1/2 Air to Spring Open	91151K850-015 418.00	93151K850-015 418.00	94051K850-015 405.46	95051K850-015 478.00	550
2 Air to Spring Open	91151K850-020 503.00	93151K850-020 503.00	94051K850-020 487.91	95051K850-020 579.00	550

PVC - Viton® O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91251H850-005 257.78	93251H850-005 257.78	---	---	550
3/4 Air to Air	91251H850-007 276.67	93251H850-007 276.67	---	---	550
1 Air to Air	91251H850-010 295.56	93251H850-010 295.56	---	---	550
1-1/4 Air to Air	91251H850-012 368.89	93251H850-012 368.89	---	---	550
1-1/2 Air to Air	91251H850-015 464.44	93251H850-015 464.44	---	---	550
2 Air to Air	91251H850-020 558.89	93251H850-020 558.89	---	---	550

Actuated Valves
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



PVC - Viton® O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Spring Close	91251J850-005 342.22	93251J850-005 342.22	---	---	550
3/4 Air to Spring Close	91251J850-007 366.67	93251J850-007 366.67	---	---	550
1 Air to Spring Close	91251J850-010 390.00	93251J850-010 390.00	---	---	550
1-1/4 Air to Spring Close	91251J850-012 490.00	93251J850-012 490.00	---	---	550
1-1/2 Air to Spring Close	91251J850-015 586.67	93251J850-015 586.67	---	---	550
2 Air to Spring Close	91251J850-020 746.67	93251J850-020 746.67	---	---	550
1/2 Air to Spring Open	91251K850-005 257.78	93251K850-005 257.78	---	---	550
3/4 Air to Spring Open	91251K850-007 276.67	93251K850-007 276.67	---	---	550
1 Air to Spring Open	91251K850-010 295.56	93251K850-010 295.56	---	---	550
1-1/4 Air to Spring Open	91251K850-012 368.89	93251K850-012 368.89	---	---	550
1-1/2 Air to Spring Open	91251K850-015 464.44	93251K850-015 464.44	---	---	550
2 Air to Spring Open	91251K850-020 558.89	93251K850-020 558.89	---	---	550

CPVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91122H850-005 249.00	93122H850-005 249.00	94022H850-005 241.00	95022H850-005 286.00	552
3/4 Air to Air	91122H850-007 268.00	93122H850-007 268.00	94022H850-007 259.00	95022H850-007 306.00	552
1 Air to Air	91122H850-010 284.00	93122H850-010 284.00	94022H850-010 275.00	95022H850-010 324.00	552
1-1/4 Air to Air	91122H850-012 353.00	93122H850-012 353.00	94022H850-012 342.00	95022H850-012 405.00	552
1-1/2 Air to Air	91122H850-015 445.00	93122H850-015 445.00	94022H850-015 432.00	95022H850-015 510.00	552
2 Air to Air	91122H850-020 539.00	93122H850-020 539.00	94022H850-020 523.00	95022H850-020 621.00	552
1/2 Air to Spring Close	91122J850-005 356.00	93122J850-005 356.00	94022J850-005 346.00	95022J850-005 409.00	552
3/4 Air to Spring Close	91122J850-007 399.00	93122J850-007 399.00	94022J850-007 387.00	95022J850-007 438.00	552
1 Air to Spring Close	91122J850-010 465.00	93122J850-010 465.00	94022J850-010 451.00	95022J850-010 463.00	552
1-1/4 Air to Spring Close	91122J850-012 569.00	93122J850-012 569.00	94022J850-012 552.00	95022J850-012 579.00	552
1-1/2 Air to Spring Close	91122J850-015 654.00	93122J850-015 654.00	94022J850-015 634.00	95022J850-015 729.00	552
2 Air to Spring Close	91122J850-020 823.00	93122J850-020 823.00	94022J850-020 798.00	95022J850-020 888.00	552
1/2 Air to Spring Open	91122K850-005 249.00	93122K850-005 249.00	94022K850-005 241.00	95022K850-005 286.00	552
3/4 Air to Spring Open	91122K850-007 268.00	93122K850-007 268.00	94022K850-007 259.00	95022K850-007 306.00	552
1 Air to Spring Open	91122K850-010 284.00	93122K850-010 284.00	94022K850-010 275.00	95022K850-010 324.00	552
1-1/4 Air to Spring Open	91122K850-012 353.00	93122K850-012 353.00	94022K850-012 342.00	95022K850-012 405.00	552
1-1/2 Air to Spring Open	91122K850-015 445.00	93122K850-015 445.00	94022K850-015 432.00	95022K850-015 510.00	552
2 Air to Spring Open	91122K850-020 539.00	93122K850-020 539.00	94022K850-020 523.00	95022K850-020 621.00	552

CPVC - Viton® O-ring and Viton® Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91232H850-005 311.00	93232H850-005 311.00	94032H850-005 302.00	95032H850-005 318.00	552
3/4 Air to Air	91232H850-007 334.00	93232H850-007 334.00	94032H850-007 324.00	95032H850-007 340.00	552
1 Air to Air	91232H850-010 355.00	93232H850-010 355.00	94032H850-010 344.00	95032H850-010 360.00	552
1-1/4 Air to Air	91232H850-012 441.00	93232H850-012 441.00	94032H850-012 427.00	95032H850-012 476.00	552



Actuated Valves
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

CPVC - Viton® O-ring and Viton® Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1-1/2 Air to Air	91232H850-015 556.00	93232H850-015 556.00	94032H850-015 540.00	95032H850-015 600.00	552
2 Air to Air	91232H850-020 673.00	93232H850-020 673.00	94032H850-020 653.00	95032H850-020 731.00	552
1/2 Air to Spring Close	91232J850-005 445.00	93232J850-005 445.00	94032J850-005 432.00	95032J850-005 481.00	552
3/4 Air to Spring Close	91232J850-007 498.00	93232J850-007 498.00	94032J850-007 483.00	95032J850-007 515.00	552
1 Air to Spring Close	91232J850-010 581.00	93232J850-010 581.00	94032J850-010 564.00	95032J850-010 544.00	552
1-1/4 Air to Spring Close	91232J850-012 711.00	93232J850-012 711.00	94032J850-012 690.00	95032J850-012 681.00	552
1-1/2 Air to Spring Close	91232J850-015 817.00	93232J850-015 817.00	94032J850-015 793.00	95032J850-015 857.00	552
2 Air to Spring Close	91232J850-020 1028.00	93232J850-020 1028.00	94032J850-020 997.00	95032J850-020 1044.00	552
1/2 Air to Spring Open	91232K850-005 311.00	93232K850-005 311.00	94032K850-005 302.00	95032K850-005 337.00	552
3/4 Air to Spring Open	91232K850-007 334.00	93232K850-007 334.00	94032K850-007 324.00	95032K850-007 360.00	552
1 Air to Spring Open	91232K850-010 355.00	93232K850-010 355.00	94032K850-010 344.00	95032K850-010 381.00	552
1-1/4 Air to Spring Open	91232K850-012 441.00	93232K850-012 441.00	94032K850-012 427.00	95032K850-012 476.00	552
1-1/2 Air to Spring Open	91232K850-015 556.00	93232K850-015 556.00	94032K850-015 540.00	95032K850-015 600.00	552
2 Air to Spring Open	91232K850-020 673.00	93232K850-020 673.00	94032K850-020 653.00	95032K850-020 731.00	552

CPVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91152H850-005 336.00	93152H850-005 336.00	94052H850-005 326.00	95052H850-005 336.00	552
3/4 Air to Air	91152H850-007 360.00	93152H850-007 360.00	94052H850-007 349.00	95052H850-007 413.00	552
1 Air to Air	91152H850-010 379.00	93152H850-010 379.00	94052H850-010 367.00	95052H850-010 436.00	552
1-1/4 Air to Air	91152H850-012 478.00	93152H850-012 478.00	94052H850-012 463.00	95052H850-012 551.00	552
1-1/2 Air to Air	91152H850-015 598.00	93152H850-015 598.00	94052H850-015 580.00	95052H850-015 690.00	552
2 Air to Air	91152H850-020 724.00	93152H850-020 724.00	94052H850-020 702.00	95052H850-020 833.00	552
1/2 Air to Spring Close	91152J850-005 448.00	93152J850-005 448.00	94052J850-005 434.00	95052J850-005 480.00	552
3/4 Air to Spring Close	91152J850-007 480.00	93152J850-007 480.00	94052J850-007 466.00	95052J850-007 589.00	552
1 Air to Spring Close	91152J850-010 499.00	93152J850-010 499.00	94052J850-010 484.00	95052J850-010 623.00	552
1-1/4 Air to Spring Close	91152J850-012 636.00	93152J850-012 636.00	94052J850-012 617.00	95052J850-012 788.00	552
1-1/2 Air to Spring Close	91152J850-015 756.00	93152J850-015 756.00	94052J850-015 734.00	95052J850-015 986.00	552
2 Air to Spring Close	91152J850-020 965.00	93152J850-020 965.00	94052J850-020 936.00	95052J850-020 1189.00	552
1/2 Air to Spring Open	91152K850-005 336.00	93152K850-005 336.00	94052K850-005 326.00	95052K850-005 336.00	552
3/4 Air to Spring Open	91152K850-007 360.00	93152K850-007 360.00	94052K850-007 349.00	95052K850-007 413.00	552
1 Air to Spring Open	91152K850-010 379.00	93152K850-010 379.00	94052K850-010 367.00	95052K850-010 436.00	552
1-1/4 Air to Spring Open	91152K850-012 478.00	93152K850-012 478.00	94052K850-012 463.00	95052K850-012 551.00	552
1-1/2 Air to Spring Open	91152K850-015 598.00	93152K850-015 598.00	94052K850-015 580.00	95052K850-015 690.00	552
2 Air to Spring Open	91152K850-020 724.00	93152K850-020 724.00	94052K850-020 702.00	95052K850-020 833.00	552

CPVC - Viton® O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91252H850-005 389.00	93252H850-005 389.00	---	---	552
3/4 Air to Air	91252H850-007 418.00	93252H850-007 418.00	---	---	552

Actuated Valves
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing



CPVC - Viton® O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1 Air to Air	91252H850-010 443.00	93252H850-010 443.00	---	---	552
1-1/4 Air to Air	91252H850-012 551.00	93252H850-012 551.00	---	---	552
1-1/2 Air to Air	91252H850-015 695.00	93252H850-015 695.00	---	---	552
2 Air to Air	91252H850-020 842.00	93252H850-020 842.00	---	---	552
1/2 Air to Spring Close	91252J850-005 557.00	93252J850-005 557.00	---	---	552
3/4 Air to Spring Close	91252J850-007 623.00	93252J850-007 623.00	---	---	552
1 Air to Spring Close	91252J850-010 727.00	93252J850-010 727.00	---	---	552
1-1/4 Air to Spring Close	91252J850-012 889.00	93252J850-012 889.00	---	---	552
1-1/2 Air to Spring Close	91252J850-015 1021.00	93252J850-015 1021.00	---	---	552
2 Air to Spring Close	91252J850-020 1285.00	93252J850-020 1285.00	---	---	552
1/2 Air to Spring Open	91252K850-005 389.00	93252K850-005 389.00	---	---	552
3/4 Air to Spring Open	91252K850-007 418.00	93252K850-007 418.00	---	---	552
1 Air to Spring Open	91252K850-010 443.00	93252K850-010 443.00	---	---	552
1-1/4 Air to Spring Open	91252K850-012 551.00	93252K850-012 551.00	---	---	552
1-1/2 Air to Spring Open	91252K850-015 695.00	93252K850-015 695.00	---	---	552
2 Air to Spring Open	91252K850-020 842.00	93252K850-020 842.00	---	---	552



Actuated Valves
Unitized Actuated Diaphragm Valve - Pneumatic with Plastic Housing

Polypropylene - EPDM O-ring and EPDM Diaphragm SR Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
93123H850-005	1/2 Air to Air	1	0	554	208.00
93123H850-007	3/4 Air to Air	1	0	554	225.00
93123H850-010	1 Air to Air	1	0	554	235.00
93123H850-012	1-1/4 Air to Air	1	0	554	298.00
93123H850-015	1-1/2 Air to Air	1	0	554	374.00
93123H850-020	2 Air to Air	1	0	554	451.00
93123J850-005	1/2 Air to Spring Close	1	0	554	282.00
93123J850-007	3/4 Air to Spring Close	1	0	554	324.00
93123J850-010	1 Air to Spring Close	1	0	554	368.00
93123J850-012	1-1/4 Air to Spring Close	1	0	554	420.00
93123J850-015	1-1/2 Air to Spring	1	0	554	513.00
93123J850-020	2 Air to Spring Close	1	0	554	631.00
93123K850-005	1/2 Air to Spring Open	1	0	554	208.00
93123K850-007	3/4 Air to Spring Open	1	0	554	225.00
93123K850-010	1 Air to Spring Open	1	0	554	235.00
93123K850-012	1-1/4 Air to Spring Open	1	0	554	298.00
93123K850-015	1-1/2 Air to Spring Open	1	0	554	374.00
93123K850-020	2 Air to Spring Open	1	0	554	451.00

Polypropylene - Viton® O-ring and EPDM Backed PTFE Diaphragm SR Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
93253H850-005	1/2 Air to Air	1	0	554	402.00
93253H850-007	3/4 Air to Air	1	0	554	417.00
93253H850-010	1 Air to Air	1	0	554	435.00
93253H850-012	1-1/4 Air to Air	1	0	554	601.00
93253H850-015	1-1/2 Air to Air	1	0	554	723.00
93253H850-020	2 Air to Air	1	0	554	881.00
93253J850-005	1/2 Air to Spring Close	1	0	554	417.00
93253J850-007	3/4 Air to Spring Close	1	0	554	445.00
93253J850-010	1 Air to Spring Close	1	0	554	474.00
93253J850-012	1-1/4 Air to Spring Close	1	0	554	591.00
93253J850-015	1-1/2 Air to Spring Close	1	0	554	708.00
93253J850-020	2 Air to Spring Close	1	0	554	906.00
93253K850-005	1/2 Air to Spring Open	1	0	554	402.00
93253K850-007	3/4 Air to Spring Open	1	0	554	417.00
93253K850-010	1 Air to Spring Open	1	0	554	435.00
93253K850-012	1-1/4 Air to Spring Open	1	0	554	601.00
93253K850-015	1-1/2 Air to Spring Open	1	0	554	723.00
93253K850-020	2 Air to Spring Open	1	0	554	881.00

Polypropylene - Viton® O-ring and Viton® Diaphragm SR Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
93233H850-005	1/2 Air to Air	1	0	554	330.00
93233H850-007	3/4 Air to Air	1	0	554	357.00
93233H850-010	1 Air to Air	1	0	554	373.00
93233H850-012	1-1/4 Air to Air	1	0	554	473.00
93233H850-015	1-1/2 Air to Air	1	0	554	594.00
93233H850-020	2 Air to Air	1	0	554	716.00
93233J850-005	1/2 Air to Spring Close	1	0	554	448.00
93233J850-007	3/4 Air to Spring Close	1	0	554	514.00
93233J850-010	1 Air to Spring Close	1	0	554	584.00
93233J850-012	1-1/4 Air to Spring Close	1	0	554	667.00
93233J850-015	1-1/2 Air to Spring Close	1	0	554	814.00
93233J850-020	2 Air to Spring Close	1	0	554	1002.00
93233K850-005	1/2 Air to Spring Open	1	0	554	330.00
93233K850-007	3/4 Air to Spring Open	1	0	554	357.00
93233K850-010	1 Air to Spring Open	1	0	554	373.00
93233K850-012	1-1/4 Air to Spring Open	1	0	554	473.00
93233K850-015	1-1/2 Air to Spring Open	1	0	554	594.00
93233K850-020	2 Air to Spring Open	1	0	554	716.00

Polypropylene - EPDM O-ring and EPDM Backed PTFE Diaphragm SR Thread

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
93153H850-005	1/2 Air to Air	1	0	554	346.00
93153H850-007	3/4 Air to Air	1	0	554	359.00
93153H850-010	1 Air to Air	1	0	554	374.00
93153H850-012	1-1/4 Air to Air	1	0	554	517.00
93153H850-015	1-1/2 Air to Air	1	0	554	622.00
93153H850-020	2 Air to Air	1	0	554	758.00
93153J850-005	1/2 Air to Spring Close	1	0	554	359.00
93153J850-007	3/4 Air to Spring Close	1	0	554	383.00
93153J850-010	1 Air to Spring Close	1	0	554	408.00
93153J850-012	1-1/4 Air to Spring Close	1	0	554	508.00
93153J850-015	1-1/2 Air to Spring Close	1	0	554	609.00
93153J850-020	2 Air to Spring Close	1	0	554	779.00
93153K850-005	1/2 Air to Spring Open	1	0	554	346.00
93153K850-007	3/4 Air to Spring Open	1	0	554	359.00
93153K850-010	1 Air to Spring Open	1	0	554	374.00
93153K850-012	1-1/4 Air to Spring Open	1	0	554	517.00
93153K850-015	1-1/2 Air to Spring Open	1	0	554	622.00
93153K850-020	2 Air to Spring Open	1	0	554	758.00

Actuated Valves
Premium Actuated Diaphragm Valve - Pneumatic



Industrial grade Weir-type design, excellent for throttling and use with viscous fluids. Full-featured actuator can be custom configured with add-on accessories.

- Stainless Steel Hardware
- 235 psi @ 73°F (23°C) - sizes 1/2" - 2" (flanged & PTFE diaphragm-150 psi), 2-1/2" - 4"-150 psi
- 80 psi Operating Pressure
- Linear Action Operation with Preset Stops
- Air-Air or Air-Spring Closed (optional spring open)

See **Pneumatic Actuator Accessories for Diaphragm Valves** for Add-on Actuator Accessories

PVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91121H100-005 814.66	93121H100-005 819.76	94021H100-005 811.47	95021H100-005 891.34	550
1/2 Air to Spring	91121J100-005 844.62	93121J100-005 849.72	94021J100-005 841.43	95021J100-005 921.31	550
3/4 Air to Air	91121H100-007 1086.73	93121H100-007 1094.04	94021H100-007 1082.01	95021H100-007 1171.45	550
3/4 Air to Spring	91121J100-007 1131.70	93121J100-007 1138.99	94021J100-007 1126.96	95021J100-007 1216.39	550
1 Air to Air	91121H100-010 1177.55	93121H100-010 1187.67	94021H100-010 1172.98	95021H100-010 1257.21	550
1 Air to Spring	91121J100-010 1225.51	93121J100-010 1235.63	94021J100-010 1220.93	95021J100-010 1305.15	550
1-1/4 Air to Air	91121H100-012 1959.05	93121H100-012 1975.59	94021H100-012 1950.43	95021H100-012 2042.33	550
1-1/4 Air to Spring	91121J100-012 2036.96	93121J100-012 2053.51	94021J100-012 2028.33	95021J100-012 2120.22	550
1-1/2 Air to Air	91121H100-015 1972.81	93121H100-015 2000.61	94021H100-015 1965.73	95021H100-015 2046.56	550
1-1/2 Air to Spring	91121J100-015 2050.71	93121J100-015 2078.52	94021J100-015 2043.65	95021J100-015 2124.46	550
2 Air to Air	91121H100-020 2237.30	93121H100-020 2267.41	94021H100-020 2226.94	95021H100-020 2266.53	550
2 Air to Spring	91121J100-020 2324.19	93121J100-020 2354.31	94021J100-020 2313.83	95021J100-020 2413.43	550
2-1/2 Air to Air	---	---	---	95021H100-025 2713.48	550
2-1/2 Air to Spring	---	---	---	95021J100-025 3288.81	550
3 Air to Air	---	---	---	95021H100-030 3482.31	550
3 Air to Spring	---	---	---	95021J100-030 4387.21	550
4 Air to Air	---	---	---	95021H100-040 4644.17	550
4 Air to Spring	---	---	---	95021J100-040 5111.61	550

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

PVC - Viton® O-ring and Viton® Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91231H100-005 828.96	93231H100-005 834.05	94031H100-005 825.37	95031H100-005 908.31	550
1/2 Air to Spring	91231J100-005 858.90	93231J100-005 864.03	94031J100-005 855.33	95031J100-005 938.28	550
3/4 Air to Air	91231H100-007 1102.96	93231H100-007 1110.24	94031H100-007 1097.09	95031H100-007 1177.26	550
3/4 Air to Spring	91231J100-007 1147.89	93231J100-007 1155.18	94031J100-007 1142.02	95031J100-007 1222.20	550
1 Air to Air	91231H100-010 1195.31	93231H100-010 1205.45	94031H100-010 1188.59	95031H100-010 1287.89	550
1 Air to Spring	91231J100-010 1243.23	93231J100-010 1253.40	94031J100-010 1236.53	95031J100-010 1335.83	550
1-1/4 Air to Air	91231H100-012 2009.91	93231H100-012 2026.14	94031H100-012 2003.70	95031H100-012 2080.02	550
1-1/4 Air to Spring	91231J100-012 2087.81	93231J100-012 2104.05	94031J100-012 2081.61	95031J100-012 2157.91	550



Actuated Valves
Premium Actuated Diaphragm Valve - Pneumatic

PVC - Viton® O-ring and Viton® Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1-1/2 Air to Air	91231H100-015 2017.28	93231H100-015 2045.07	94031H100-015 2009.10	95031H100-015 2088.04	550
1-1/2 Air to Spring	91231J100-015 2095.18	93231J100-015 2122.99	94031J100-015 2087.00	95031J100-015 2165.96	550
2 Air to Air	91231H100-020 2299.23	93231H100-020 2329.38	94031H100-020 2285.59	95031H100-020 2356.11	550
2 Air to Spring	91231J100-020 2386.14	93231J100-020 2416.28	94031J100-020 2372.47	95031J100-020 2442.99	550
2-1/2 Air to Air	---	---	---	95031H100-025 2798.15	550
2-1/2 Air to Spring	---	---	---	95031J100-025 3373.46	550
3 Air to Air	---	---	---	95031H100-030 3570.31	550
3 Air to Spring	---	---	---	95031J100-030 4475.22	550
4 Air to Air	---	---	---	95031H100-040 4743.43	550
4 Air to Spring	---	---	---	95031J100-040 5210.82	550

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

PVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91151H100-005 890.99	93151H100-005 896.09	94051H100-005 883.95	95051H100-005 966.50	550
1/2 Air to Spring	91151J100-005 920.96	93151J100-005 926.03	94051J100-005 913.89	95051J100-005 996.46	550
3/4 Air to Air	91151H100-007 1159.61	93151H100-007 1166.93	94051H100-007 1151.90	95051H100-007 1243.93	550
3/4 Air to Spring	91151J100-007 1249.50	93151J100-007 1211.87	94051J100-007 1196.85	95051J100-007 1288.88	550
1 Air to Air	91151H100-010 1313.35	93151H100-010 1323.47	94051H100-010 1305.87	95051H100-010 1383.82	550
1 Air to Spring	91151J100-010 1361.30	93151J100-010 1371.43	94051J100-010 1353.80	95051J100-010 1431.77	550
1-1/4 Air to Air	91151H100-012 2123.78	93151H100-012 2140.01	94051H100-012 2113.69	95051H100-012 1555.14	550
1-1/4 Air to Spring	91151J100-012 2201.67	93151J100-012 2217.93	94051J100-012 2191.61	95051J100-012 1555.14	550
1-1/2 Air to Air	91151H100-015 2153.10	93151H100-015 2180.91	94051H100-015 2141.56	95051H100-015 2229.15	550
1-1/2 Air to Spring	91151J100-015 2231.00	93151J100-015 2258.81	94051J100-015 2219.47	95051J100-015 2307.05	550
2 Air to Air	91151H100-020 2430.81	93151H100-020 2460.96	94051H100-020 2414.96	95051H100-020 2507.39	550
2 Air to Spring	91151J100-020 2517.70	93151J100-020 2547.85	94051J100-020 2501.84	95051J100-020 2594.30	550
2-1/2 Air to Air	---	---	---	95051H100-025 3056.55	550
2-1/2 Air to Spring	---	---	---	95051J100-025 3631.86	550
3 Air to Air	---	---	---	95051H100-030 3916.98	550
3 Air to Spring	---	---	---	95051J100-030 4821.88	550
4 Air to Air	---	---	---	95051H100-040 5246.96	550
4 Air to Spring	---	---	---	95051J100-040 5714.41	550

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

PVC - Viton® O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91251H100-005 913.45	93251H100-005 918.55	---	---	550
1/2 Air to Spring	91251J100-005 943.43	93251J100-005 948.51	---	---	550
3/4 Air to Air	91251H100-007 1186.33	93251H100-007 1193.65	---	---	550
3/4 Air to Spring	91251J100-007 1231.29	93251J100-007 1238.61	---	---	550

Actuated Valves
Premium Actuated Diaphragm Valve - Pneumatic



PVC - Viton® O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1 Air to Air	91251H100-010 1324.89	93251H100-010 1335.01	---	---	550
1 Air to Spring	91251J100-010 1372.84	93251J100-010 1382.97	---	---	550
1-1/4 Air to Air	91251H100-012 2149.81	93251H100-012 2166.05	---	---	550
1-1/4 Air to Spring	91251J100-012 2227.71	93251J100-012 2243.94	---	---	550
1-1/2 Air to Air	91251H100-015 2176.26	93251H100-015 2204.07	---	---	550
1-1/2 Air to Spring	91251J100-015 2254.18	93251J100-015 2281.98	---	---	550
2 Air to Air	91251H100-020 2457.32	93251H100-020 2487.47	---	---	550
2 Air to Spring	91251J100-020 2544.22	93251J100-020 2574.35	---	---	550

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

CPVC - EPDM O-ring and EPDM Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91122H100-005 913.68	93122H100-005 918.79	94022H100-005 907.95	95022H100-005 961.24	552
1/2 Air to Spring	91122J100-005 943.66	93122J100-005 948.74	94022J100-005 937.90	95022J100-005 991.20	552
3/4 Air to Air	91122H100-007 1194.07	93122H100-007 1201.38	94022H100-007 1187.06	95022H100-007 1248.43	552
3/4 Air to Spring	91122J100-007 1239.02	93122J100-007 1246.33	94022J100-007 1232.02	95022J100-007 1293.38	552
1 Air to Air	91122H100-010 1290.02	93122H100-010 1300.15	94022H100-010 1283.80	95022H100-010 1376.53	552
1 Air to Spring	91122J100-010 1337.96	93122J100-010 1348.09	94022J100-010 1331.71	95022J100-010 1424.47	552
1-1/4 Air to Air	91122H100-012 2128.89	93122H100-012 2145.12	94022H100-012 2117.84	95022H100-012 2173.84	552
1-1/4 Air to Spring	91122J100-012 2206.80	93122J100-012 2223.03	94022J100-012 2195.74	95022J100-012 2251.77	552
1-1/2 Air to Air	91122H100-015 2141.90	93122H100-015 2169.69	94022H100-015 2127.34	95022H100-015 2180.29	552
1-1/2 Air to Spring	91122J100-015 2219.80	93122J100-015 2247.62	94022J100-015 2205.22	95022J100-015 2258.18	552
2 Air to Air	91122H100-020 2384.11	93122H100-020 2414.24	94022H100-020 2371.97	95022H100-020 2451.85	552
2 Air to Spring	91122J100-020 2470.99	93122J100-020 2501.14	94022J100-020 2458.85	95022J100-020 2538.73	552
2-1/2 Air to Air	---	---	---	95022H100-025 3118.93	552
2-1/2 Air to Spring	---	---	---	95022J100-025 3694.26	552
3 Air to Air	---	---	---	95022H100-030 4196.27	552
3 Air to Spring	---	---	---	95022J100-030 5101.18	552
4 Air to Air	---	---	---	95022H100-040 5615.21	552
4 Air to Spring	---	---	---	95022J100-040 6082.66	552

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

CPVC - Viton® O-ring and Viton® Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91232H100-005 977.72	93232H100-005 982.83	94032H100-005 968.56	95032H100-005 989.94	552
1/2 Air to Spring	91232J100-005 1007.69	93232J100-005 1012.79	94032J100-005 998.53	95032J100-005 1019.91	552
3/4 Air to Air	91232H100-007 1251.72	93232H100-007 1259.03	94032H100-007 1242.10	95032H100-007 1280.57	552
3/4 Air to Spring	91232J100-007 1296.66	93232J100-007 1303.98	94032J100-007 1287.05	95032J100-007 1325.52	552
1 Air to Air	91232H100-010 1375.81	93232H100-010 1385.94	94032H100-010 1365.22	95032H100-010 1421.32	552
1 Air to Spring	91232J100-010 1423.74	93232J100-010 1433.87	94032J100-010 1413.17	95032J100-010 1469.26	552



Actuated Valves
Premium Actuated Diaphragm Valve - Pneumatic

CPVC - Viton® O-ring and Viton® Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1-1/4 Air to Air	91232H100-012 2257.14	93232H100-012 2273.36	94032H100-012 2242.85	95032H100-012 2244.32	552
1-1/4 Air to Spring	91232J100-012 2335.04	93232J100-012 2351.29	94032J100-012 2320.74	95032J100-012 2322.22	552
1-1/2 Air to Air	91232H100-015 2278.59	93232H100-015 2306.39	94032H100-015 2263.16	95032H100-015 2257.95	552
1-1/2 Air to Spring	91232J100-015 2356.50	93232J100-015 2384.30	94032J100-015 2341.07	95032J100-015 2335.85	552
2 Air to Air	91232H100-020 2506.13	93232H100-020 2536.24	94032H100-020 2490.62	95032H100-020 2518.55	552
2 Air to Spring	91232J100-020 2593.01	93232J100-020 2623.16	94032J100-020 2577.51	95032J100-020 2605.46	552
2-1/2 Air to Air	---	---	---	95032H100-025 3235.45	552
2-1/2 Air to Spring	---	---	---	95032J100-025 3810.76	552
3 Air to Air	---	---	---	95032H100-030 4363.50	552
3 Air to Spring	---	---	---	95032J100-030 5268.41	552
4 Air to Air	---	---	---	95032H100-040 5844.46	552
4 Air to Spring	---	---	---	95032J100-040 6311.87	552

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

CPVC - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91152H100-005 1013.20	93152H100-005 1018.31	94052H100-005 1003.97	95052H100-005 1082.69	552
1/2 Air to Spring	91152J100-005 1452.17	93152J100-005 1048.26	94052J100-005 1033.94	95052J100-005 1112.65	552
3/4 Air to Air	91152H100-007 1302.02	93152H100-007 1309.34	94052H100-007 1291.13	95052H100-007 1364.80	552
3/4 Air to Spring	91152J100-007 1472.72	93152J100-007 1354.30	94052J100-007 1336.05	95052J100-007 1409.73	552
1 Air to Air	91152H100-010 1436.94	93152H100-010 1447.05	94052H100-010 1425.78	95052H100-010 1518.74	552
1 Air to Spring	91152J100-010 1484.87	93152J100-010 1495.00	94052J100-010 1473.73	95052J100-010 1566.67	552
1-1/4 Air to Air	91152H100-012 2295.97	93152H100-012 2325.22	94052H100-012 2279.69	95052H100-012 2347.56	552
1-1/4 Air to Spring	91152J100-012 2373.88	93152J100-012 2403.13	94052J100-012 2357.61	95052J100-012 2425.47	552
1-1/2 Air to Air	91152H100-015 2305.37	93152H100-015 2333.18	94052H100-015 2289.91	95052H100-015 2475.47	552
1-1/2 Air to Spring	91152J100-015 2383.29	93152J100-015 2411.10	94052J100-015 2367.83	95052J100-015 2553.37	552
2 Air to Air	91152H100-020 2579.46	93152H100-020 2609.59	94052H100-020 2562.23	95052H100-020 2775.49	552
2 Air to Spring	91152J100-020 2666.36	93152J100-020 2696.50	94052J100-020 2649.13	95052J100-020 2862.37	552
2-1/2 Air to Air	---	---	---	95052H100-025 3844.01	552
2-1/2 Air to Spring	---	---	---	95052J100-025 4419.31	552
3 Air to Air	---	---	---	95052H100-030 4956.81	552
3 Air to Spring	---	---	---	95052J100-030 5861.72	552
4 Air to Air	---	---	---	95052H100-040 6559.80	552
4 Air to Spring	---	---	---	95052J100-040 7027.26	552

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.

CPVC - Viton® O-ring and EPDM Backed PTFE Diaphragm

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
1/2 Air to Air	91252H100-005 1038.23	93252H100-005 1043.32	---	---	552
1/2 Air to Spring	91252J100-005 1068.20	93252J100-005 1073.29	---	---	552

Actuated Valves
Premium Actuated Diaphragm Valve - Pneumatic



CPVC - Viton® O-ring and EPDM Backed PTFE Diaphragm (continued)

Size	Socket	SR Thread	Spigot	Flanged	Disc Code
3/4 Air to Air	91252H100-007 1318.39	93252H100-007 1325.70	---	---	552
3/4 Air to Spring	91252J100-007 1363.33	93252J100-007 1370.64	---	---	552
1 Air to Air	91252H100-010 1455.86	93252H100-010 1472.12	---	---	552
1 Air to Spring	91252J100-010 1503.80	93252J100-010 1520.05	---	---	552
1-1/4 Air to Air	91252H100-012 2317.38	93252H100-012 2333.64	---	---	552
1-1/4 Air to Spring	91252J100-012 2395.31	93252J100-012 2411.53	---	---	552
1-1/2 Air to Air	91252H100-015 2340.96	93252H100-015 2368.76	---	---	552
1-1/2 Air to Spring	91252J100-015 2418.85	93252J100-015 2446.66	---	---	552
2 Air to Air	91252H100-020 2652.64	93252H100-020 2684.28	---	---	552
2 Air to Spring	91252J100-020 2739.52	93252J100-020 2771.17	---	---	552

NOTE: "Socket" valves up to 2" size include standard plastic thread end connectors. For Air to Spring OPEN, change letter "J" to letter "K" in listed part number. O-rings used on Socket and SR Thread End Connectors only.



Actuated Valves
Premium Actuated Diaphragm Valve - Pneumatic

Polypropylene - EPDM O-ring and EPDM Diaphragm

Size	SR Thread	Flanged	Disc Code
1/2 Air to Air	93123H100-005 818.13	---	554
1/2 Air to Spring	93123J100-005 848.11	---	554
3/4 Air to Air	93123H100-007 1091.18	---	554
3/4 Air to Spring	93123J100-007 836.48	---	554
1 Air to Air	93123H100-010 1183.77	---	554
1 Air to Spring	93123J100-010 1231.71	---	554
1-1/4 Air to Air	93123H100-012 1972.35	---	554
1-1/4 Air to Spring	93123J100-012 2050.26	---	554
1-1/2 Air to Air	93123H100-015 1985.35	---	554
1-1/2 Air to Spring	93123J100-015 2063.28	---	554
2 Air to Air	93123H100-020 2246.27	---	554
2 Air to Spring	93123J100-020 2333.16	---	554
2-1/2 Air to Air	---	95023H100-025 2754.37	554
2-1/2 Air to Spring	---	95023J100-025 3329.66	554
3 Air to Air	---	95023H100-030 3595.76	554
3 Air to Spring	---	95023J100-030 4500.68	554
4 Air to Air	---	95023H100-040 4849.94	554
4 Air to Spring	---	95023J100-040 5317.37	554

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Polypropylene - Viton® O-ring and EPDM Diaphragm

Size	SR Thread	Flanged	Disc Code
1/2 Air to Air	93233H100-005 833.00	---	554
1/2 Air to Spring	93233J100-005 862.96	---	554
3/4 Air to Air	93233H100-007 1107.65	---	554
3/4 Air to Spring	93233J100-007 1152.61	---	554
1 Air to Air	93233H100-010 1202.69	---	554
1 Air to Spring	93233J100-010 1250.65	---	554
1-1/4 Air to Air	93233H100-012 2004.45	---	554
1-1/4 Air to Spring	93233J100-012 2082.30	---	554
1-1/2 Air to Air	93233H100-015 2017.87	---	554
1-1/2 Air to Spring	93233J100-015 2095.78	---	554
2 Air to Air	93233H100-020 2284.53	---	554
2 Air to Spring	93233J100-020 2371.43	---	554
2-1/2 Air to Air	---	95033H100-025 2820.88	554
2-1/2 Air to Spring	---	95033J100-025 3396.20	554
3 Air to Air	---	95033H100-030 3690.66	554
3 Air to Spring	---	95033J100-030 4595.56	554

Polypropylene - Viton® O-ring and EPDM Diaphragm (continued)

Size	SR Thread	Flanged	Disc Code
4 Air to Air	---	95033H100-040 4981.39	554
4 Air to Spring	---	95033J100-040 5448.83	554

NOTE: For Air to Spring OPEN, change letter "J" to letter "K" in listed part number.

Polypropylene - EPDM O-ring and EPDM Backed PTFE Diaphragm

Size	SR Thread	Flanged	Disc Code
1/2 Air to Air	93153H100-005 897.17	---	554
1/2 Air to Spring	93153J100-005 927.15	---	554
3/4 Air to Air	93153H100-007 1161.76	---	554
3/4 Air to Spring	93153J100-007 1206.70	---	554
1 Air to Air	93153H100-010 1319.84	---	554
1 Air to Spring	93153J100-010 1367.79	---	554
1-1/4 Air to Air	93153H100-012 2130.89	---	554
1-1/4 Air to Spring	93153J100-012 2208.82	---	554
1-1/2 Air to Air	93153H100-015 2160.14	---	554
1-1/2 Air to Spring	93153J100-015 2238.05	---	554
2 Air to Air	93153H100-020 2439.18	---	554
2 Air to Spring	93153J100-020 2526.06	---	554
2-1/2 Air to Air	---	95053H100-025 3117.26	554
2-1/2 Air to Spring	---	95053J100-025 3692.55	554
3 Air to Air	---	95053H100-030 4067.93	554
3 Air to Spring	---	95053J100-030 4972.84	554
4 Air to Air	---	95053H100-040 5383.53	554
4 Air to Spring	---	95053J100-040 5850.97	554

Polypropylene - Viton® O-ring and EPDM Backed PTFE Diaphragm SR Thread

Size	SR Thread	Flanged	Disc Code
1/2 Air to Air	93253H100-005 908.27	---	554
1/2 Air to Spring	93253J100-005 938.24	---	554
3/4 Air to Air	93253H100-007 1175.23	---	554
3/4 Air to Spring	93253J100-007 1220.20	---	554
1 Air to Air	93253H100-010 1336.59	---	554
1 Air to Spring	93253J100-010 1384.53	---	554
1-1/4 Air to Air	93253H100-012 2152.24	---	554
1-1/4 Air to Spring	93253J100-012 2230.13	---	554
1-1/2 Air to Air	93253H100-015 2182.98	---	554
1-1/2 Air to Spring	93253J100-015 2260.88	---	554
2 Air to Air	93253H100-020 2465.57	---	554

Actuated Valves
Premium Actuated Diaphragm Valve - Pneumatic



Polypropylene - Viton® O-ring and EPDM Backed PTFE
Diaphragm SR Thread (continued)

Size	SR Thread	Flanged	Disc Code
2 Air to Spring	93253J100-020 2552.47	---	554



Actuated Valves Electric Actuator Accessories

Contact Spears® for any desired accessories or functions not specified in the Accessory Selection Tables

The following accessories are for use on Spears® electric actuated Ball Valves, Butterfly Valves and Diaphragm Valves. Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. See important ordering instructions, *Ordering Premium Valve Packages with Accessory Add-ons*.

Accessory	Description	Accessory Part Number	Price Each Disc Code: 298
Heater	Heater/Thermostat - On 41°F, Off 60.8°F	A-H1	195.33
	Heater/Thermostat - On 62.6°F, Off 80.6°F	A-H2	175.78
Auxiliary Limit Switches	2-SPDT Limit Switch Set (1/2" shaft cam) ¹	A-LS1	175.22
	2-SPDT Limit Switch Set (3/8" shaft cam) ¹	A-LS2	175.22
	2-SPDT Limit Switch Set for Electric Spring Return	A-LS3	157.20
Position Indicators	LED Indicator Lights	A-P2	223.84
Modulating Positioner Boards	115 VAC 4-20 mA	A-PB1	1790.66
	115 VAC 0-5 VDC	A-PB2	1790.66
	115 VAC 0-10 VDC	A-PB3	1790.66
	230 VAC 4-20 mA	A-PB4	1790.66
	230 VAC 0-5 VDC	A-PB5	1790.66
	230 VAC 0-10 VDC	A-PB6	1790.66
	24 VAC 4-20 mA	A-PB7	1790.66
	24 VAC 0-5 VDC	A-PB8	1790.66
	24 VAC 0-10 VDC	A-PB9	1790.66
	24 VDC 4-20 mA	A-PB10	1790.66
	24 VDC 0-5 VDC	A-PB11	1790.66
	24 VDC 0-10 VDC	A-PB12	1790.66
	115 VAC 4-20 mA For Electric Spring Return Actuator	A-PB13	1871.64
Transmitter	4-20mA	A-T1	1313.85
Torque Sensors	Adjustable Electronic Torque Sensor	A-TS1	948.86
Speed Controller	Variable Speed Controller	A-SC1	623.10
"2-Wire" Control (operates as solenoid valve)	Control Relay Switch Setup 115 VAC- Normally Closed ²	A-CR1	221.40
	Control Relay Switch Setup 115 VAC- Normally Open ²	A-CR2	221.40
	Control Relay Switch Setup 24 VAC- Normally Closed ²	A-CR3	221.40
	Control Relay Switch Setup 24 VAC- Normally Open ²	A-CR4	221.40
	Control Relay Switch Setup 230 VAC- Normally Closed ²	A-CR5	221.40
	Control Relay Switch Setup 230 VAC- Normally Open ²	A-CR6	221.40
	Control Relay Switch Setup 12 VDC- Normally Closed ²	A-CR7	221.40
	Control Relay Switch Setup 12 VDC- Normally Open ²	A-CR8	221.40
	Control Relay Switch Setup 24 VDC- Normally Closed ²	A-CR9	221.40
	Control Relay Switch Setup 24 VDC- Normally Open ²	A-CR10	221.40
Friction Brake	Mechanical Brake ³	A-FB1	367.85
Lockout Switch	Power disconnect switch activated when manual override is in use	A-LK1	255.32
ID Tag	Type 316 Stainless Steel ID Tag 1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	30.03
Stem Extensions	Ball Valve Stem Extension ⁴	A-BVSE-xxx-000	Call for pricing
	True Union 2000 Ball Valve Stem Extension ⁴	A-BVSE2-xxx-000	
	Butterfly Valve Stem Extension ⁴	A-BFSE-xxx-000	
	Diaphragm Valve Stem Extension ⁴	A-DESE-xxx-000	

NOTES: 1 - The A-LS2 is used on 1/2" - 2" basic Ball Valve packages; A-LS1 used on all other sizes.

2 - "2-Wire" Control is not applicable to Diaphragm Valves.

3 - Friction Brake is standard on Butterfly Valves and not applicable to Diaphragm Valves.

4 - Stem Extension Part Numbers: Enter size code for "xxx" in part number. Replace "000" with desired length code in part number; length is from top of valve to bottom of actuator.

Actuated Valves Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves



The following accessories are for use on Spears® pneumatic actuated Ball Valves and Butterfly Valves. See separate listing for pneumatic Diaphragm Valve accessories. Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. See important ordering instructions, *Ordering Premium Valve Packages with Accessory Add-ons*.

Accessory	Description	Accessory Part Number	Price Each Disc Code: 298
Pneumatic Positioners	3-15 psi NEMA 4 Flat-Top Indicator ¹	A-PP1	1411.13
	3-15 psi NEMA 4 Dome Indicator ¹	A-PP2	1518.20
	3-15 psi NEMA 4 Dome Indicator Integrated 2-SPDT Mech. Switches ¹	A-PP3	2087.82
Electro Pneumatic Positioners with Indicator	4-20mA NEMA 4 Flat-Top Indicator ¹	A-EP1	2997.45
	4-20mA NEMA 4 Dome Indicator ¹	A-EP2	3104.37
	4-20 mA NEMA 4 Dome Indicator Integrated 2-SPDT Mech. Switches ¹	A-EP3	3278.44
	4-20mA NEMA 7 Flat-Top Indicator ¹	A-EP4	3372.12
	4-20mA Intrinsically Safe (CSA/UL) Flat-Top Indicator ¹	A-EP5	3419.51
	4-20mA NEMA 7 Dome Indicator ¹	A-EP6	3479.16
	4-20mA Intrinsically Safe w/2-SPST Proximity Switches ¹	A-EP22	3531.70
Solenoid Valves	3 & 4-way 115 VAC NEMA 4/4x	A-SV1	194.68
	3 & 4-way 230 VAC NEMA 4/4x	A-SV2	204.39
	3 & 4-way 24 VAC NEMA 4/4x	A-SV3	204.39
	3 & 4-way 12 VDC NEMA 4/4x	A-SV4	204.39
	3 & 4-way 24 VDC NEMA 4/4x	A-SV5	204.39
	3 & 4-way 115 VAC NEMA 4/4x/7/9	A-SV6	413.69
	3 & 4-way 230 VAC NEMA 4/4x/7/9	A-SV7	413.69
	3 & 4-way 24 VAC NEMA 4/4x/7/9	A-SV8	413.69
	3 & 4-way 12 VDC NEMA 4/4x/7/9	A-SV9	413.69
	3 & 4-way 24 VDC NEMA 4/4x/7/9	A-SV10	413.69
	Dual Coil 3 & 4-way 115 VAC NEMA 4/4x	A-SV11	340.63
	Dual Coil 3 & 4-way 230 VAC NEMA 4/4x	A-SV12	340.63
	Dual Coil 3 & 4-way 24 VAC NEMA 4/4x	A-SV13	340.63
	Dual Coil 3 & 4-way 12 VDC NEMA 4/4x	A-SV14	340.63
	Dual Coil 3 & 4-way 24 VDC NEMA 4/4x	A-SV15	340.63
	Dual Coil 3 & 4-way 115 VAC NEMA 7/9	A-SV16	710.53
	Dual Coil 3 & 4-way 230 VAC NEMA 7/9	A-SV17	710.53
	Dual Coil 3 & 4-way 24 VAC NEMA 7/9	A-SV18	710.53
	Dual Coil 3 & 4-way 12 VDC NEMA 7/9	A-SV19	710.53
	Dual Coil 3 & 4-way 24 VDC NEMA 7/9	A-SV20	710.53
	Stainless Steel 3 & 4-way 115 VAC NEMA 4/4x	A-SV21	846.71
	3-Way 24 VDC Hi Temperature (Class H) NEMA 4x	A-SV22	2426.87
	3 & 4-way 230 VAC NEMA 4/4x 1/2" NPT Din Connector	A-SV23	1087.72
Limit Switch & Transmitter Combination	4-20mA 2-SPDT NEMA 4/4x/7/9	A-LS20	1154.61
	4-20mA 2-SPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS21	1216.93
	4-20mA 2-DPDT NEMA 4/4x/7/9	A-LS22	1373.01
	4-20mA 2-DPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS23	1435.48
	4-20mA 2-Proximity NEMA 4/4x/7/9	A-LS24	1482.28
	4-20mA 2-Proximity NEMA 4/4x/7/9 w/ Visual Indicator	A-LS25	1531.62
Limit Switches	2-SPDT NEMA 4/4x	A-LS40	321.03
	2-SPDT NEMA 4/4x w/ Visual Indicator	A-LS41	374.48
	2-SPDT NEMA 4/4x w/ Green/Red Dome Indicator	A-LS41D	462.74
	NEMA 4/4x w/ Low Profile Indicator	A-LS41L	472.00
	2-DPDT NEMA 4/4x	A-LS42	530.56
	2-DPDT NEMA 4/4x w/ Visual Indicator	A-LS43	593.04
	2-Proximity NEMA 4/4x	A-LS44	639.70
	2-Proximity NEMA 4/4x w/ Low Profile Indicator (source power requires intrinsic safety barrier or amplifier).	A-LS44L	778.54
	2-Proximity NEMA 4/4x w/ Visual Indicator	A-LS45	702.16
	2-Proximity NEMA 7/9	A-LS46	733.32
	2-Proximity NEMA 7/9 w/ Visual Indicator	A-LS47	795.94
	2-Proximity NEMA 7/9 w/ Low Profile Indicator	A-LS47L	738.15
	2-SPDT NEMA 4/4x/7/9	A-LS48	527.97
	2-SPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS49	468.10
	2-DPDT NEMA 4/4x/7/9	A-LS50	945.12
	2-DPDT NEMA 4/4x/7/9 w/ Visual Indicator	A-LS51	1006.88
	4-SPDT NEMA 4/4x w/ 180° Indicator	A-LS52	529.27
Transmitter Indicator	4-20mA Output Transmitter	A-PT1	4597.35
	Dome Indicator	A-V2	87.61
Pressure Gauge Set	Stainless steel case, 3-gauge set for use with positioners: 1 - input pressure gauge 0-30 psi, 2 - output gauges 0-160 psi	A-G1	666.26



Actuated Valves
Pneumatic Actuator Accessories for Ball Valves & Butterfly Valves

Accessory	Description	Accessory Part Number	Price Each Disc Code: 298
ID Tag	Type 316 Stainless Steel ID Tag 1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	30.03
Stem Extensions	Ball Valve Stem Extension ²	A-BVSE-xxx-000	Call for pricing
	True Union 2000 Ball Valve Stem Extension ²	A-BVSE2-xxx-000	
	Butterfly Valve Stem Extension ²	A-BFSE-xxx-000	

NOTES: 1 - Pneumatic and Electro-Pneumatic positioners include brass gauges: 1 input gauge @ 0-30 psi and 2 output gauges @ 0-160 psi. Stainless steel gauges may be ordered separately.
2 - Stem Extension Part Numbers: Enter size code for "xxx" in part number. Replace "000" with desired length code in part number; length is from top of valve to bottom of actuator.

Actuated Valves Pneumatic Actuator Accessories for Diaphragm Valves



The following accessories are for use on Spears® pneumatic actuated Diaphragm Valves only. See separate listing for Ball Valve and Butterfly Valve pneumatic accessories. Accessories are individually ordered separately and factory assembled with the selected Premium Actuated Valve Package. See important ordering instructions, *Ordering Premium Valve Packages with Accessory Add-ons*.

Accessory	Description	Accessory Part Number	Price Each Disc Code: 298
Pneumatic Positioners	3-15 psi NEMA 4x w/ Visual Indicator Top Loading (no gauge)	A-DPP1	4350.17
	3-15 psi NEMA 4x w/ Visual Indicator Top Loading w/ gauges (3)	A-DPP2	4924.35
	3-15 psi NEMA 4x w/ Visual Indicator Bottom Loading (no gauge)	A-DPP3	4350.18
	3-15 psi NEMA 4x w/ Visual Indicator Bottom Loading w/ gauges (3)	A-DPP4	4924.35
Electro Pneumatic Positioners	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator (up to 2")	A-DEP1	8325.69
	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator w/SS Gauges (up to 2")	A-DEP2	8899.87
	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator (2-1/2" & up)	A-DEP3	8325.69
	4-20mA (3-15 psi) NEMA 4x w/Visual Indicator w/SS Gauges (2-1/2" & up)	A-DEP4	8899.87
3-Way Solenoid Valves	115 VAC NEMA 4/4x	A-DSV1	358.19
	230 VAC NEMA 4/4x	A-DSV2	358.19
	24 VAC NEMA 4/4x	A-DSV3	358.19
	12 VDC NEMA 4/4x	A-DSV4	358.19
	24 VDC NEMA 4/4x	A-DSV5	358.19
	115 VAC NEMA 4/4x/7/9	A-DSV6	552.86
	230 VAC NEMA 4/4x/7/9	A-DSV7	552.86
	24 VAC NEMA 4/4x/7/9	A-DSV8	552.86
	12 VDC NEMA 4/4x/7/9	A-DSV9	552.86
	24 VDC NEMA 4/4x/7/9	A-DSV10	552.86
4-Way Solenoid Valves	115 VAC NEMA 4/4x	A-DSV11	669.57
	230 VAC NEMA 4/4x	A-DSV12	669.57
	24 VAC NEMA 4/4x	A-DSV13	669.57
	12 VDC NEMA 4/4x	A-DSV14	669.57
	24 VDC NEMA 4/4x	A-DSV15	669.57
	115 VAC NEMA 4/4x/7/9	A-DSV16	938.43
	230 VAC NEMA 4/4x/7/9	A-DSV17	938.43
	24 VAC NEMA 4/4x/7/9	A-DSV18	938.43
	12 VDC NEMA 4/4x/7/9	A-DSV19	938.43
	24 VDC NEMA 4/4x/7/9	A-DSV20	938.43
Micro Limit Switches	2-SPDT NEMA 4 w/ 180° Visual Indicator ¹	A-DLS20	1083.29
	2-SPDT NEMA 7/9 w/ 180° Visual Indicator ¹	A-DLS25	1931.66
Proximity Limit Switches	2-SPDT NEMA 4/4X	A-DLS23	1748.64
Limit Switches	2-SPDT NEMA 4 ²	A-DLS24	1260.78
Speed Controller	Variable Speed Controller	A-DPSC1	1085.18
ID Tag	Type 316 Stainless Steel ID Tag 1/2" x 3" (3-lines, 12-characters & spaces)	TAG3-015	30.03

Stem Extensions	Diaphragm Valve Stem Extension ³	A-DPSE-xxx-000	Call for pricing
------------------------	---	----------------	------------------

NOTES: 1 - Micro Limit Switches used on valve sizes 1/2" through 2".
2 - Limit Switches used on valve sizes 2-1/2" & larger
3 - Stem Extension Part Numbers: Enter size code for "xxx" in part number. Replace "000" with desired length code in part number; length is from top of valve to bottom of actuator.



Actuated Valves Pneumatic Actuator Accessories for Ball Valves

Contact Name: _____ Date: _____
Business Name: _____
City: _____ State: _____ Country: _____
Phone: _____ Fax: _____ E-mail: _____
Project Name: _____

Ball Valves: System Media Pressure (Required) psi _____ kPa _____ Bar _____ Nominal Size in _____ mm _____ cm _____ Valve Quantity Each _____			
Ball Valve Type: ☐ True Union Industrial ☐ Three Way Horizontal (See 3-way orientation box below) ☐ PVC ☐ ☐ True Union Standard ☐ Three Way Vertical (See 3-way orientation box below) ☐ CPVC ☐ ☐ Compact ☐ Tandem Three Way ☐ Low-Extractable PVC ☐ ☐ True Union Tee Style ☐ Tandem 3-Way Orientation Document Required ☐ Other Valve Type _____			
Body Material: ☐ EPDM ☐ ☐ Viton® ☐ ☐ Other ☐ (If Other Explain) _____			
O-ring Seals: ☐ EPDM ☐ ☐ Viton® ☐ ☐ Other ☐ (If Other Explain) _____			
End Connector: ☐ Socket ☐ Flange ☐ ☐ Threaded ☐ Spigot ☐ ☐ SR Threaded ☐ ☐ Metric ☐ ☐ DIN ☐ ☐ JIS ☐ ☐ BSP (Thread) ☐			
Vertical 3-Way Orientation ☐ Single L Port ☐ Triple L Port ☐ Double L Port ☐ T Port Horizontal 3-Way Orientation ☐ L Port ☐ T Port			
Pneumatic ☐ Not all combinations may be available. FailSafe Type - (Position to which valve cycles upon air loss) ☐ Double Acting (No FailSafe. Stays in last activated position) ☐ Spring Return - Close (FailSafe in <u>closed position</u> upon air loss) ☐ Spring Return - Open (FailSafe in <u>open position</u> upon air loss) ☐ Other: _____ Operating Air Pressure (psi) - (Compressed air supply required to operate actuator) ☐ 80-150 ☐ Other: _____ Override Type - (Override used to cycle valve upon air loss) ☐ Basic ☐ Decuttable ☐ Other: _____ Aux. Limit Switches - (Additional mechanical switches to operate external lights, alarms etc. (set of 2)) ☐ SPDT - Mechanical ☐ SPDT - Proximity ☐ DPDT - Mechanical Voltage Signal Type Specify Voltage: _____ Visual Indicator - (Provides local visual valve position indication) ☐ Low Profile ☐ Dome ☐ No Indicator Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle). ☐ Pneumatic Positioner (Air supply required to operate valve) Signal Pressure - (Air pressure required to position the valve) ☐ 3-15 psi ☐ Other: _____ ☐ Electro-Pneumatic Positioner (Air and voltage supply required to operate) Signal Voltage Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ ☐ With Transmitter - (Sends output signal to PLC to provide valve position) Transmitter Output ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids, solids and gases) ☐ 4 ☐ 4x ☐ Other: _____ Solenoid Valve - (Regulates actuator intake/exhaust air supply) ☐ 3 & 4 Way ☐ Dual Coil (Double Acting Actuators only) ☐ Other: _____ Solenoid Valve Voltage ☐ 115 VAC ☐ 230 VAC ☐ Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) ☐ 4 ☐ 4x ☐ Other: _____ ☐ Other Options: _____		Electric ☐ Not all combinations may be available. ☐ Basic Two Position (90 Degree Travel Standard) ☐ 3 Position 90 ☐ 180 ☐ FailSafe Position (if required) ☐ Fail Open - FailSafe in <u>open position</u> upon power loss ☐ Fail Close - FailSafe in <u>closed position</u> upon power loss Note: On "Fail Safe" Options Two Positions ONLY Override Not Recommended. Voltage Supply Power: ☐ 115 VAC ☐ 230 VAC ☐ Other: _____ Frequency ☐ 50 Hertz ☐ 60 Hertz Phase ☐ Single ☐ Three Override Type - (Override used to cycle valve upon power loss) ☐ Basic ☐ Decuttable ☐ Other: _____ Duty Cycle (Amount of work valve can accomplish before requiring rest) ☐ 25% ☐ 75% ☐ Other/Min. Requirement: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) ☐ 4 ☐ 4x ☐ Other: _____ Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle) ☐ Positioner with Transmitter Signal Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ Transmitter - (Sends output signal to PLC to provide valve position) Signal Output ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ ☐ Positioner - NO Transmitter Signal Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ Auxiliary Limit Switches (Additional mechanical switches to operate external lights, alarms etc.) ☐ 2 ☐ 4 (Set of 2 each) Standard Accessories - All options not available in all actuator combinations ☐ Torque Sensor ☐ Friction Brake ☐ Battery Backup ☐ LED Indicating Lights (red /green) ☐ Speed Control ☐ 2 Wire Control Relay ☐ Heater & Thermostat ☐ [On @ 41F] [Off @ 60.8F] ☐ [On @ 69.8F] [Off @ 89.6F] ☐ [On @ 62.6F] [Off @ 80.6F] ☐ Other Options: _____	

Rev. A 2010

Actuated Valves
Pneumatic Actuator Accessories for Butterfly Valves



Contact Name: _____ Date: _____
Business Name: _____
City: _____ State: _____ Country: _____
Phone: _____ Fax: _____ E-mail: _____
Project Name: _____

Butterfly Valves:	System Media Pressure (Required)	psi	_____	kPa	_____	Bar	_____	Valve Quantity Each
	Nominal Size	in	_____	mm	_____	cm	_____	
Butterfly Valve Type :								
Standard	☐							
True Lug	☐	Tandem Diverting	☐					
Pool Valve	☐	Tandem Three Way	☐					
Wafer	☐	(Tandem 3-Way Orientation Document Required)						
Other Valve Type	☐	_____						
Body Material :								
PVC	☐							
CPVC	☐							
Polypropylene	☐							
O-ring Seals :								
Buna-N	☐							
EPDM	☐							
Viton®	☐							
Other	☐	(If Other Explain) _____						
Lug Materials :								
SS316	☐							
Zinc	☐							
☐ Other Information: _____								

Pneumatic ☐ Not all combinations may be available. FailSafe Type - (Position to which valve cycles upon air loss) ☐ Double Acting (No FailSafe. Stays in last activated position) ☐ Spring Return - Close (FailSafe in <u>closed position</u> upon air loss) ☐ Spring Return - Open (FailSafe in <u>open position</u> upon air loss) ☐ Other: _____ Operating Air Pressure (psi) - (Compressed air supply required to operate actuator) ☐ 80-150 ☐ Other: _____ Override Type - (Override used to cycle valve upon air loss) ☐ Basic ☐ Declutchable ☐ Other: _____ Aux. Limit Switches - (Additional mechanical switches to operate external lights, alarms etc. (set of 2)) ☐ SPDT - Mechanical ☐ SPDT - Proximity ☐ DPDT - Mechanical Voltage Signal Type Specify Voltage: _____ Visual Indicator - (Provides local visual valve position indication) ☐ Low Profile ☐ Dome Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle). ☐ Pneumatic Positioner (Air supply required to operate valve) Signal Pressure - (Air pressure required to position the valve) ☐ 3-15 psi ☐ Other: _____ ☐ Electro-Pneumatic Positioner (Air and voltage supply required to operate) Signal Voltage Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ ☐ With Transmitter - (Sends output signal to PLC to provide valve position) Transmitter Output ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids, solids and gases) ☐ 4 ☐ 4x ☐ Other: _____ Solenoid Valve - (Regulates actuator intake/exhaust air supply) ☐ 3 & 4 Way ☐ Dual Coil (Double Acting Actuators only) ☐ Other: _____ Solenoid Valve Voltage ☐ 115 VAC ☐ 230 VAC ☐ Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) ☐ 4 ☐ 4x ☐ Other: _____ ☐ Other Options: _____ _____	Electric ☐ Not all combinations may be available. ☐ Basic Two Position (90 Degree Travel Standard) FailSafe Position (if required) ☐ Fail Open - Open (FailSafe in <u>open position</u> upon power loss) ☐ Fail Close - Close (FailSafe in <u>closed position</u> upon power loss) Note: On "Fail Safe" options two positions ONLY Override Not Recommended. Voltage Supply Power: ☐ 115 VAC ☐ 230 VAC ☐ Other: _____ Frequency ☐ 50 Hertz ☐ 60 Hertz Phase ☐ Single ☐ Three Override Type - (Override used to cycle valve upon power loss) ☐ Basic ☐ Declutchable ☐ Other: _____ Duty Cycle (Amount of work valve can accomplish before requiring rest) ☐ 25% ☐ 75% ☐ Other/Min. Requirement: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) ☐ 4 ☐ 4x ☐ Other: _____ Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle) ☐ Positioner with Transmitter Signal Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ Transmitter - (Sends output signal to PLC to provide valve position) Signal Output ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ ☐ Positioner - NO Transmitter Signal Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ Auxiliary Limit Switches (Additional mechanical switches to operate external lights, alarms etc.) ☐ 2 ☐ 4 (Set of 2 each) Standard Accessories - All options not available in all actuator combinations ☐ Torque Sensor ☐ Torque Sensor ☐ Battery Backup ☐ LED Indicating Lights (red /green) ☐ Speed Control ☐ 2 Wire Control Relay ☐ Heater & Thermostat ☐ [On @ 41F] [Off @ 60.8F] ☐ [On @ 69.8F] [Off @ 89.6F] ☐ [On @ 62.6F] [Off @ 80.6F] ☐ Other Options: _____ _____
---	--

Rev. A 2010



Actuated Valves Pneumatic Actuator Accessories for Diaphragm Valves

Contact Name: _____ Date: _____
Business Name: _____
City: _____ State: _____ Country: _____
Phone: _____ Fax: _____ E-mail: _____
Project Name: _____

Diaphragm Valves: System Media Pressure (Required) psi _____ kPa _____ Bar _____		Valve Quantity Each _____
Nominal Size in _____ mm _____ cm _____		
Diaphragm Valve Type :	Body Material :	End Connector O-rings 1/2" - 2" :
EPDM ☐	PVC ☐	EPDM ☐
Viton® ☐	CPVC ☐	Viton® ☐
PTFE/Viton® ☐	Low-Extractable PVC ☐	PTFE/Viton® ☐
PTFE/EPDM ☐	Polypropylene ☐	PTFE/EPDM ☐
Other Valve Type ☐ _____		Other ☐ _____
		(If Other Explain) _____
☐ Other information: _____		

Not all combinations may be available. Unitized Pneumatic ☐ Pneumatic ☐ FailSafe Type - (Position to which valve cycles upon air loss) ☐ Double Acting (No FailSafe. Stays in last activated position) ☐ Spring Return - Close (FailSafe in <u>closed position</u> upon air loss) ☐ Spring Return - Open (FailSafe in <u>open position</u> upon air loss) ☐ Other: _____ Operating Air Pressure (psi) - (Compressed air supply required to operate actuator) ☐ 80-116 ☐ Other: _____ Override Type - (Override used to cycle valve upon air loss. Not available in sizes 1/2" - 2") ☐ Basic ☐ Decuttable ☐ Other: _____ Aux. Limit Switches - (Additional mechanical switches to operate external lights, alarms etc. (set of 2)) ☐ SPDT- Mechanical ☐ SPDT- Proximity ☐ DPDT- Mechanical Voltage Signal Type: Specify Voltage: _____ Visual Indicator - (Provides local visual valve position indication) ☐ Low Profile ☐ Dome Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle). ☐ Pneumatic Positioner (Air supply required to operate valve) Signal Pressure - (Air pressure required to position the valve) ☐ 3-15 psi ☐ Other: _____ ☐ Electro-Pneumatic Positioner (Air and voltage supply required to operate) Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ ☐ With Transmitter - (Sends output signal to PLC to provide valve position) Transmitter Output ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) ☐ 4 ☐ 4x ☐ Other: _____ Solenoid Valve - (Regulates actuator intake/exhaust air supply) ☐ 3 way (Air-to-Spring) ☐ 4 way (Double Acting Actuators only) ☐ Other: _____ Solenoid Valve Voltage ☐ 115 VAC ☐ 230 VAC ☐ Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids, solids and gases) ☐ 4 ☐ 4x ☐ Other: _____ ☐ Other Options: _____	Not all combinations may be available. Electric Multi Turn ☐ Voltage Supply Power: ☐ 115 VAC ☐ 230 VAC ☐ Other: _____ Frequency ☐ 50 Hertz ☐ 60 Hertz Phase ☐ Single ☐ Three Override Type - (Override used to cycle valve upon power loss) ☐ Basic ☐ Decuttable ☐ Other: _____ Duty Cycle (Amount of work valve can accomplish before requiring rest) ☐ 25% ☐ 75% ☐ Other: _____ NEMA Rating - (Enclosure rating indicates level of ingress protection from fluids and solids) ☐ 4 ☐ 4x ☐ Other: _____ Positioner Type - (Positioner accepts an input signal from PLC to control valve cycle) ☐ Positioner with Transmitter Signal Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ Transmitter - (Sends output signal to PLC to provide valve position) Signal Output ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ ☐ Positioner - NO Transmitter Signal Input ☐ 4-20mA ☐ 0-10 VDC ☐ Other: _____ Auxiliary Limit Switches (Additional mechanical switches to operate external lights, alarms etc.) ☐ 2 ☐ 4 (Set of 2 each) Standard Accessories - All options not available in all actuator combinations ☐ Torque Sensor ☐ Battery Backup ☐ LED Indicating Lights (red /green) ☐ Speed Control ☐ 2 Wire Control Relay ☐ Heater & Thermostat ☐ [On @ 41F] [Off @ 60.8F] ☐ [On @ 69.8F] [Off @ 89.6F] ☐ [On @ 62.6F] [Off @ 80.6F] ☐ Other Options: _____
--	--

Rev. A 2010

Strainers & Filters Filters



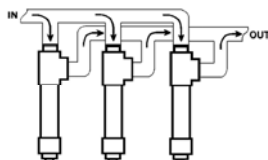
Specially designed for agricultural and irrigation applications. Suitable for any application where cool, filtered water is required. Standard units utilize an internal-to-external filter cartridge. See following page for reverse flow (external to internal) filters.



- 200 psi Working Pressure Non-Shock @ 73°F (23°C)
- Filter Body is made from NSF®-PW Approved PVC Material
- Optional Screen Meshes
- Compact Design, Easy to Clean
- Lightweight, Easy to Install

- Filter Screens are designed using a standard perforated Stainless Steel Screen
- Mesh Sizes include an inner Stainless Steel Cloth with Spring Support (external cloth on reverse flow filters)
- Pressure loss: 100 GPM – 3 psi 50 GPM – 1.25 psi
- May be bushed to required pipe size (Bushings sold separately)

- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in the direct sun, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



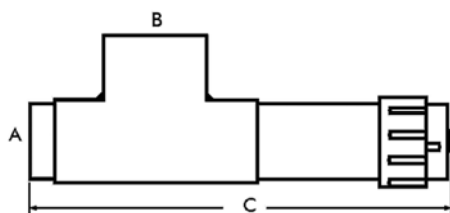
—CAUTION—

- WATER HAMMER MAY CAUSE SEVERE DAMAGE TO THE FILTER ASSEMBLY.
- BACK FLUSHING IS NOT RECOMMENDED.
- QUALITY GRADE THREAD SEALANT IS RECOMMENDED FOR ALL THREADED PVC CONNECTIONS.

Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.

Filter Dimensions & Weights



Series	A Inlet		B Outlet	C Overall Length	Screen Length	Filter Approx. Weight
	Socket	Spigot				
FLR	2-1/2	3	4	28	24	8
MFLR	2-1/2	3	4	16	12	4-3/4

Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM					
FL-16"	2-1/2 /3 x 4	1	0	020	527.35
FL-32"	2-1/2 /3 x 4	1	0	020	539.34
FL-50	2-1/2 /3 x 4	1	0	020	611.23
FL-76	2-1/2 /3 x 4	1	0	020	738.28
FL-100	2-1/2 /3 x 4	1	0	020	671.16
FL-150	2-1/2 /3 x 4	1	0	020	695.15
FL-200	2-1/2 /3 x 4	1	0	020	755.07

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL4a) for use with a valve, or may be plugged off (plug not furnished). Optional cap available with 1/4" IPS tapping for use with a pressure gauge — specify FL-5a when ordering.

50 GPM					
MFL-16"	2-1/2 /3 x 2	1	0	020	443.48
MFL-32"	2-1/2 /3 x 2	1	0	020	450.65
MFL-50	2-1/2 /3 x 2	1	0	020	465.01
MFL-76	2-1/2 /3 x 2	1	0	020	563.33
MFL-100	2-1/2 /3 x 2	1	0	020	491.41
MFL-150	2-1/2 /3 x 2	1	0	020	515.37
MFL-200	2-1/2 /3 x 2	1	0	020	575.29

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

NOTE: Filter Assemblies are furnished standard with a 1-1/4" IPS tapped cap (FL4a) for use with a valve, or may be plugged off (plug not furnished). Optional cap available with 1/4" IPS tapping for use with a pressure gauge — specify FL-5a when ordering.

Filter Replacement Screens

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM (24" Length)					
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45

Filter Replacement Screens (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM (24" Length)					
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for FL and MFL Series Filters, please provide exact length of old screen within 1/64" to ensure proper fit of new screen in your filter body.

50 GPM (12" Length)

MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for FL and MFL Series Filters, please provide exact length of old screen within 1/64" to ensure proper fit of new screen in your filter body.

Filter Replacement Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
100 GPM Filter Body					
FL-11	2-1/2 /3 X 4	1	0	020	359.54
50 GPM Filter Body					
MFL-11	2-1/2 /3 X 2	1	0	020	275.66

Components for Old-Style Filters w/3" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Filter Cap w/Gasket					
FL-4A	3X1-1/4	1	70	020	29.97
FL-5A	3X1/4	70	0	020	29.97

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology



Strainers & Filters Filters & Hose Filters

Filters

Components for Old-Style Filters w/3" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Cap Gasket Only

FCG-5	3	2	0	020	9.54
-------	---	---	---	-----	------

Components for New-Style Filters w/4" Bottom Cap

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Filter Cap w/O-rings

FL-4B	4X1-1/4	25	0	020	55.07
-------	---------	----	---	-----	-------

Components for New-Style Filters w/4" Bottom Cap (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Filter Cap w/O-rings

FL-5B	4X1/4	1	0	020	89.09
-------	-------	---	---	-----	-------

Includes Cap with Cap O-ring (1) and bottom Filter Bushing O-ring (1)

Cap O-Ring Only

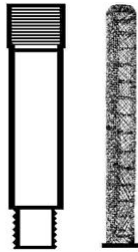
B-242	- - -	100	0	901	.79
-------	-------	-----	---	-----	-----

Filter Bushing O-Rings

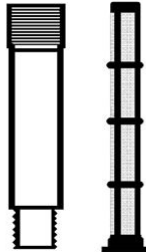
B-335-60	- - -	100	0	901	3.48
----------	-------	-----	---	-----	------

Each filter uses two (2) Filter Bushing O-rings for top and bottom screen seals

Hose Filters



7 GPM Steel



7 GPM Plastic/Nylon

NOTE: It is recommended to connect the inlet of the Hose Filter to the system with a swivel adapter such as Spears® AP Series, to facilitate servicing of the filter element (refer to Hose Fittings).

Mesh Size	Hole Size (in.)	Part Number Extension
20 Mesh	.0331	-20
30 Mesh	.0232	-30
50 Mesh	.0117	-50
80 Mesh	.0070	-80
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: HF-50 = 50 Mesh

7 GPM Hose Filter Assembly

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

with Stainless Steel Screen

HF-20	3/4	10	60	020	17.77
HF-30	3/4	10	60	020	17.77
HF-50	3/4	10	60	020	17.77
HF-80	3/4	10	60	020	17.77
HF-100	3/4	10	60	020	18.46
HF-150	3/4	10	60	020	18.69
HF-200	3/4	10	60	020	19.19

with Plastic/Nylon Screen

HF-150N	3/4	10	60	020	18.69
---------	-----	----	----	-----	-------

Hose Filter Replacement Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Stainless Steel Screen

HF-20-1W	5	25	150	020	6.50
HF-30-1W	5	25	150	020	6.50
HF-50-1W	5	25	150	020	6.50
HF-80-1W	5	25	150	020	6.50
HF-100-1W	5	25	150	020	9.60
HF-150-1W	5	25	150	020	9.60
HF-200-1W	5	25	150	020	9.60

Plastic/Nylon Screen

HF-150-1NW	4-3/4	25	150	020	9.60
------------	-------	----	-----	-----	------

7 GPM Hose Filter Body Components

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Hose Filter Body w/o screen

HF	3/4	10	60	020	13.37
----	-----	----	----	-----	-------

Hose Washer

W-100	3/4	50	1500	020	.04
-------	-----	----	------	-----	-----

Screen Washer

S-W	- - -	600	0	901	.20
-----	-------	-----	---	-----	-----

Strainers & Filters

In-line Tee Style Filters and Reverse In-line Tee Style Filters



100 GPM and 50 GPM • PVC White • Buna O-ring Seal



100 GPM



50 GPM

- In-line Design Simplifies Installation.
- Allows Easy Parallel Filter Configuration for Increased Flow and Filtration.
- Removable Type 304 Stainless Steel Filter Cartridges in Assorted Perforations and Screen Mesh.
- Standard Flow Filter (Internal-to-External) Traps Sediment on Inside of Cartridge, Reverse Flow Filter (External-to-Internal) Traps Sediment on Outside of Cartridge.
- Convenient Bottom Drain with 1-1/4" NPT Stainless Steel Reinforced Plastic Thread and Plug. Optional Cap with 1/4" Outlet Available.
- 200 psi Working Pressure for Water @ 73°F (23°C).
- Manufactured from NSF® Certified PVC Material.

100 GPM PVC White Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
TF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	527.35
TF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	539.34
TF-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	611.23
TF-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	738.28
TF-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	671.16
TF-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	695.15
TF-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	755.07

50 GPM PVC White Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	443.48
MTF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	450.65
MTF-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	465.01
MTF-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	563.33
MTF-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	491.41
MTF-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	515.37
MTF-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	575.29

Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: TF-50 = 50 Mesh

100 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
TF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	527.35
TF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	539.34
TFR-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	611.23
TFR-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	738.28
TFR-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	671.16
TFR-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	695.15
TFR-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	755.07

50 GPM PVC White Reverse Tee Filter

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTF-16"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	443.48
MTF-32"	2-1/2" / 3 x 2-1/2" / 3	1	0	020	450.65
MTFR-50	2-1/2" / 3 x 2-1/2" / 3	1	0	020	465.01
MTFR-76	2-1/2" / 3 x 2-1/2" / 3	1	0	020	563.33
MTFR-100	2-1/2" / 3 x 2-1/2" / 3	1	0	020	491.41

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

50 GPM PVC White Reverse Tee Filter (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Buna-N O-ring Seal with Stainless Steel Screen					
MTFR-150	2-1/2" / 3 x 2-1/2" / 3	1	0	020	515.37
MTFR-200	2-1/2" / 3 x 2-1/2" / 3	1	0	020	575.29

*Standard TF-16, TF-32, MTF-16 & MTF-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Filter Replacement Screens for TF Filters (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for TF and MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

50 GPM Filter Replacement Screens for MTF Filters (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for TF and MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	460.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53



Strainers & Filters
In-line Tee Style Filters and Reverse In-line Tee Style Filters

**50 GPM Reverse Flow Filter Replacement Screens for
MTFR Filters (12" Length) (continued)**

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

Strainers & Filters

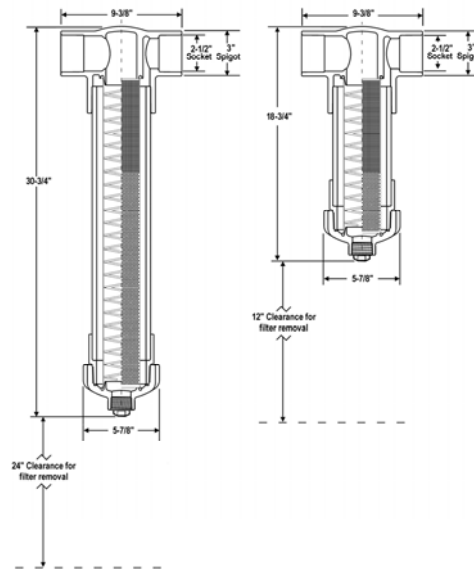
In-line Tee Style Filters and Reverse In-line Tee Style Filters



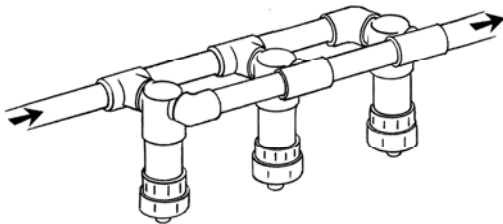
IN-LINE TECHNICAL INFORMATION

Dimensions

Filter includes drain plug for 1-1/4" NPT outlet. Optional valve for blow-out or filter cap with 1/4" NPT outlet can be purchased separately.

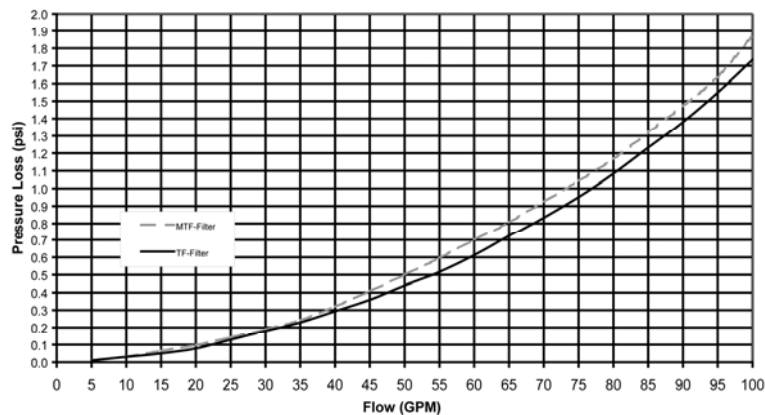


Parallel Filter Installation



- When more than 100 gpm is required, filters may be installed in parallel.
- When installing filter, allow space for removing filter screen for cleaning.
- Remove stainless steel filter screen before solvent welding filter to pipe manifold to avoid cement contact with screen.
- When filters are installed in the direct sun, it is suggested the filter body be coated with a water-base latex paint having a high reflectance.
- Installation in a shaded area is preferred.

Pressure Loss





Strainers & Filters Reverse Flow Filters



100 GPM



50 GPM

- Filter cartridge specially designed for external-to-internal filtration
- Traps sediment and debris on outside of filter (standard filters use internal-to-external flow)
- 100 GPM and 50 GPM styles available

100 GPM Reverse Flow Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Socket x Socket/Spigot

FLR-16*	4X2-1/2 /3	1	0	020	527.35
FLR-32*	4X2-1/2 /3	1	0	020	539.34
FLR-50	4X2-1/2 /3	1	0	020	611.23
FLR-76	4X2-1/2 /3	1	0	020	738.28
FLR-100	4X2-1/2 /3	1	0	020	671.16
FLR-150	4X2-1/2 /3	1	0	020	695.15
FLR-200	4X2-1/2 /3	1	0	020	755.07

*Standard FL-16 and FL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM Filter Assembly with Stainless Steel Screen

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Socket x Socket/Spigot

MFLR-16*	2X2-1/2 /3	1	0	020	443.48
MFLR-32*	2X2-1/2 /3	1	0	020	450.65
MFLR-50	2X2-1/2 /3	1	0	020	465.01
MFLR-76	2X2-1/2 /3	1	0	020	563.33
MFLR-100	2X2-1/2 /3	1	0	020	491.41
MFLR-150	2X2-1/2 /3	1	0	020	515.37
MFLR-200	2X2-1/2 /3	1	0	020	575.29

*Standard MFL-16 and MFL-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Reverse Flow Filter Replacement Screens (24" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens (12" Length)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55

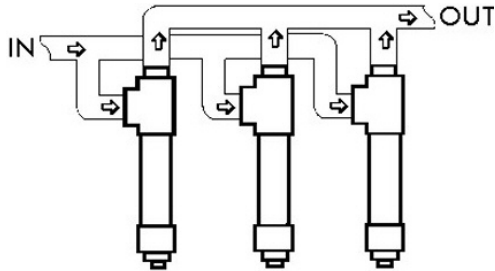
Strainers & Filters Reverse Flow Filters



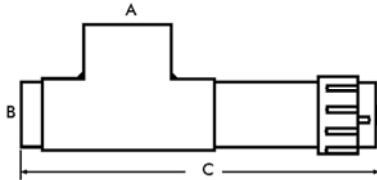
Mesh Size	Hole Size (in.)	Part Number Extension
1/16" Holes	.0625	-16
1/32" Holes	.0312	-32
50 Mesh	.0117	-50
76 Mesh	.0095	-76
100 Mesh	.0059	-100
150 Mesh	.0041	-150
200 Mesh	.0029	-200

Additional Mesh Sizes available on request.
Example: FLR-50 = 50 Mesh

Typical Reverse Flow Application



- When more than 100 gpm is required, filters may be installed in parallel
- When installing filter, allow space for removing filter screen for cleaning
- Remove stainless steel filter screen before solvent welding filter to pipe manifold
- When filters are installed in direct sunlight, it is suggested the filter body be coated with a water-base latex paint having a high reflectance
- Installation in a shaded area is preferred



Series	A Inlet	B Outlet		C Overall Length	Screen Length	Filter Approx. Weight
		Socket	Spigot			
FLR	4	2-1/2	3	28	24	8
MFLR	4	2-1/2	3	16	12	4-3/4



Strainers & Filters In-line Tee-Style Filters



Socket/Spigot

All Filters are 2-1/2"x 2-1/2"
Inlet/Outlet Connection

Note: 2-1/2" Socket is also a 3" Spigot

Pressure Rating @ 73°F (23°C), Water
200 psi

Mesh Size Codes

Mesh Size	Size Code
1/16" Holes	16
1/32" Holes	32
50 Mesh	50
76 Mesh	76
100 Mesh	100
150 Mesh	150
200 Mesh	200

Note: Standard flow filtration path is internal to external. Reverse-flow filtration flows from external to internal side of filter screen.

100 GPM PVC Gray Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	TF2-16 686.07	TF3-16 737.06	1	0	295
32	TF2-32 701.54	TF3-32 753.73	1	0	295
50	TF2-50 795.05	TF3-50 900.04	1	0	295
76	TF2-76 960.34	TF3-76 1031.82	1	0	295
100	TF2-100 872.94	TF3-100 937.84	1	0	295
150	TF2-150 904.18	TF3-150 971.35	1	0	295
200	TF2-200 982.23	TF3-200 1055.22	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM PVC Gray Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	MTF2-16 576.82	MTF3-16 619.66	1	0	295
32	MTF2-32 586.16	MTF3-32 629.78	1	0	295
50	MTF2-50 604.83	MTF3-50 649.82	1	0	295
76	MTF2-76 732.61	MTF3-76 787.11	1	0	295
100	MTF2-100 639.11	MTF3-100 686.55	1	0	295
150	MTF2-150 670.34	MTF3-150 720.21	1	0	295
200	MTF2-200 748.22	MTF3-200 803.94	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM PVC Gray Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	TF2-16 686.07	TF3-16 737.06	1	0	295
32	TF2-32 701.54	TF3-32 753.73	1	0	295
50	TFR2-50 795.05	TFR3-50 854.13	1	0	295
76	TFR2-76 960.34	TFR3-76 1031.82	1	0	295
100	TFR2-100 872.94	TFR3-100 937.84	1	0	295
150	TFR2-150 904.18	TFR3-150 971.35	1	0	295
200	TFR2-200 982.23	TFR3-200 1055.22	1	0	295

100 GPM PVC Gray Reverse Tee Filter (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM PVC Gray Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	MTF2-16 576.82	MTF3-16 619.66	1	0	295
32	MTF2-32 586.16	MTF3-32 629.78	1	0	295
50	MTFR2-50 604.83	MTFR3-50 649.82	1	0	295
76	MTFR2-76 732.61	MTFR3-76 787.11	1	0	295
100	MTFR2-100 639.11	MTFR3-100 686.55	1	0	295
150	MTFR2-150 670.34	MTFR3-150 720.21	1	0	295
200	MTFR2-200 748.22	MTFR3-200 803.94	1	0	295

Standard TF2-16, TF2-32, TF3-16, TF3-32, MTF2-16, MTF2-32, MTF3-16 & MTF3-32 can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM CPVC Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	TF2-16C 887.64	TF3-16C 953.60	1	0	296
32	TF2-32C 907.54	TF3-32C 975.19	1	0	296
50	TF2-50C 1028.76	TF3-50C 1104.96	1	0	296
76	TF2-76C 1242.39	TF3-76C 1335.00	1	0	296
100	TF2-100C 1129.29	TF3-100C 1213.32	1	0	296
150	TF2-150C 1169.69	TF3-150C 1256.78	1	0	296
200	TF2-200C 1270.72	TF3-200C 1365.13	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM CPVC Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	MTF2-16C 746.23	MTF3-16C 801.63	1	0	296
32	MTF2-32C 758.33	MTF3-32C 814.80	1	0	296
50	MTF2-50C 782.50	MTF3-50C 840.67	1	0	296
76	MTF2-76C 947.80	MTF3-76C 1018.34	1	0	296

Strainers & Filters In-line Tee-Style Filters



50 GPM CPVC Tee Filter (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

100	MTF2-100C 826.73	MTF3-100C 888.11	1	0	296
150	MTF2-150C 867.28	MTF3-150C 930.65	1	0	296
200	MTF2-200C 968.01	MTF3-200C 1040.07	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM CPVC Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	TF2-16C 887.64	TF3-16C 953.60	1	0	296
32	TF2-32C 907.54	TF3-32C 975.19	1	0	296
50	TFR2-50C 1028.76	TFR3-50C 1104.96	1	0	296
76	TFR2-76C 1242.39	TFR3-76C 1335.00	1	0	296
100	TFR2-100C 1129.29	TFR3-100C 1213.32	1	0	296
150	TFR2-150C 1169.69	TFR3-150C 1256.78	1	0	296
200	TFR2-200C 1270.72	TFR3-200C 1365.13	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

50 GPM CPVC Reverse Tee Filter

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
------	------	--------	--------	---------	-----------

Stainless Steel Screen

16	MTF2-16C 746.23	MTF3-16C 801.63	1	0	296
32	MTF2-32C 758.33	MTF3-32C 814.80	1	0	296
50	MTFR2-50C 782.50	MTFR3-50C 840.67	1	0	296
76	MTFR2-76C 947.80	MTFR3-76C 1018.34	1	0	296
100	MTFR2-100C 826.73	MTFR3-100C 888.11	1	0	296
150	MTFR2-150C 867.28	MTFR3-150C 930.65	1	0	296
200	MTFR2-200C 968.01	MTFR3-200C 1040.07	1	0	296

Standard TF2-16C, TF2-32C, TF3-16C, TF3-32C, MTF2-16C, MTF2-32C, MTF3-16C & MTF3-32C can be utilized as Reverse Flow Filters by reversing installation from current inlet to outlet and current outlet to inlet.

100 GPM Filter Replacement Screens for TF Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FL-50-1	50 Mesh	3	0	020	455.45
FL-76-1	76 Mesh	3	0	020	450.65
FL-100-1	100 Mesh	3	0	020	354.78
FL-150-1	150 Mesh	3	0	020	383.52
FL-200-1	200 Mesh	3	0	020	474.62

NOTE: When ordering replacement screens for TF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

50 GPM Filter Replacement Screens for MTF Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94

50 GPM Filter Replacement Screens for MTF Filters (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-32-1	1/32" Holes	3	0	020	220.53
MFL-50-1	50 Mesh	3	0	020	239.71
MFL-76-1	76 Mesh	3	0	020	340.38
MFL-100-1	100 Mesh	3	0	020	263.69
MFL-150-1	150 Mesh	3	0	020	292.46
MFL-200-1	200 Mesh	3	0	020	359.54

NOTE: When ordering replacement screens for MTF Series Filters, please provide exact length of old screen within 1/64" to insure proper fit of new screen in your filter body.

100 GPM Reverse Flow Filter Replacement Screens for TFR Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FL-16-1	1/16" Holes	3	0	020	210.94
FL-32-1	1/32" Holes	3	0	020	230.11
FLR-50-1	50 Mesh	3	0	020	231.22
FLR-76-1	76 Mesh	3	0	020	450.65
FLR-100-1	100 Mesh	3	0	020	320.17
FLR-150-1	150 Mesh	3	0	020	364.34
FLR-200-1	200 Mesh	3	0	020	450.89

50 GPM Reverse Flow Filter Replacement Screens for MTFR Filters

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MFL-16-1	1/16" Holes	3	0	020	210.94
MFL-32-1	1/32" Holes	3	0	020	220.53
MFLR-50-1	50 Mesh	3	0	020	243.40
MFLR-76-1	76 Mesh	3	0	020	340.38
MFLR-100-1	100 Mesh	3	0	020	250.49
MFLR-150-1	150 Mesh	3	0	020	277.82
MFLR-200-1	200 Mesh	3	0	020	341.55



Strainers & Filters Y-Strainers



Socket



Flanged



SR Thread

Part numbers shown reflect a mesh size of 8. For different mesh sizes, substitute Mesh Code in part number as specified in chart below.

U.S. Standard Mesh Sieve No.	Sieve Opening Size (in.)	Part Number Mesh Code
8	0.094	8
12	0.062	12
20	0.033	20
30	0.024	30

Example: for 12 Mesh, specify
YS22P12-005
Additional Mesh Sizes available on request.



True Union

Pressure Rating @ 73°F (23°C), Water

1/2" - 2" 150 psi
3" - 4" 90 psi

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Temperature/Pressure
De-ratings Apply

PVC - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22P8-005 82.69	YS22S8-005 163.63	YS32P8-005 90.31	YS32S8-005 179.79	1	18	102
3/4	YS22P8-007 92.39	YS22S8-007 187.12	YS32P8-007 101.81	YS32S8-007 211.04	1	18	102
1	YS22P8-010 101.59	YS22S8-010 221.97	YS32P8-010 111.85	YS32S8-010 244.04	1	12	102
1-1/4	YS22P8-012 172.03	YS22S8-012 320.26	YS32P8-012 191.16	YS32S8-012 353.10	1	8	102
1-1/2	YS22P8-015 182.02	YS22S8-015 341.39	YS32P8-015 202.27	YS32S8-015 374.87	1	8	102
2	YS22P8-020 213.82	YS22S8-020 385.61	YS32P8-020 237.55	YS32S8-020 428.44	1	4	102
3	YS22P8-030 492.79	YS22S8-030 665.73	YS32P8-030 529.53	YS32S8-030 702.47	1	0	102
4	YS22P8-040 861.63	YS22S8-040 1078.95	YS32P8-040 927.45	YS32S8-040 1144.74	1	0	102

PVC - SR Threaded Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21P8-005SR 87.14	YS21S8-005SR 168.09	YS31P8-005SR 94.73	YS31S8-005SR 184.23	1	18	102
3/4	YS21P8-007SR 98.80	YS21S8-007SR 193.52	YS31P8-007SR 108.20	YS31S8-007SR 217.49	1	12	102
1	YS21P8-010SR 111.10	YS21S8-010SR 231.51	YS31P8-010SR 121.37	YS31S8-010SR 253.59	1	8	102
1-1/4	YS21P8-012SR 187.55	YS21S8-012SR 335.78	YS31P8-012SR 206.69	YS31S8-012SR 368.61	1	8	102
1-1/2	YS21P8-015SR 201.09	YS21S8-015SR 360.47	YS31P8-015SR 221.29	YS31S8-015SR 394.05	1	4	102
2	YS21P8-020SR 246.99	YS21S8-020SR 418.78	YS31P8-020SR 270.74	YS31S8-020SR 461.63	1	0	102

Strainers & Filters Y-Strainers



PVC - SR Threaded Ends (continued)

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
3	YS21P8-030SR 534.28	YS21S8-030SR 707.06	YS31P8-030SR 570.86	YS31S8-030SR 1056.17	1	0	102
4	YS21P8-040SR 904.48	YS21S8-040SR 1121.80	YS31P8-040SR 970.28	YS31S8-040SR 1187.62	1	0	102

PVC - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23P8-005 135.16	YS23S8-005 228.61	YS33P8-005 150.03	YS33S8-005 298.77	1	8	102
3/4	YS23P8-007 143.59	YS23S8-007 261.04	YS33P8-007 155.71	YS33S8-007 342.41	1	8	102
1	YS23P8-010 153.32	YS23S8-010 288.54	YS33P8-010 167.02	YS33S8-010 400.97	1	8	102
1-1/4	YS23P8-012 245.78	YS23S8-012 422.85	YS33P8-012 267.96	YS33S8-012 574.54	1	4	102
1-1/2	YS23P8-015 273.89	YS23S8-015 457.01	YS33P8-015 304.12	YS33S8-015 616.53	1	4	102
2	YS23P8-020 344.35	YS23S8-020 544.33	YS33P8-020 377.84	YS33S8-020 700.41	1	0	102
3	YS23P8-030 760.63	YS23S8-030 933.55	YS33P8-030 817.23	YS33S8-030 990.64	1	0	102
4	YS23P8-040 1225.87	YS23S8-040 1443.20	YS33P8-040 1317.70	YS33S8-040 1535.00	1	0	102

PVC Clear - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22P8-005CL 82.69	YS22S8-005CL 163.63	YS32P8-005CL 90.31	YS32S8-005CL 179.79	1	18	103
3/4	YS22P8-007CL 92.39	YS22S8-007CL 187.12	YS32P8-007CL 101.81	YS32S8-007CL 211.04	1	18	103
1	YS22P8-010CL 101.59	YS22S8-010CL 221.97	YS32P8-010CL 111.85	YS32S8-010CL 244.04	1	12	103
1-1/4	YS22P8-012CL 172.03	YS22S8-012CL 320.26	YS32P8-012CL 191.16	YS32S8-012CL 353.10	1	8	103
1-1/2	YS22P8-015CL 182.02	YS22S8-015CL 341.39	YS32P8-015CL 202.27	YS32S8-015CL 374.87	1	8	103
2	YS22P8-020CL 213.82	YS22S8-020CL 417.62	YS32P8-020CL 237.55	YS32S8-020CL 428.44	1	4	103
3	YS22P8-030CL 492.79	YS22S8-030CL 665.73	YS32P8-030CL 529.53	YS32S8-030CL 702.47	1	0	103
4	YS22P8-040CL 861.63	YS22S8-040CL 1078.95	YS32P8-040CL 927.45	YS32S8-040CL 1144.74	1	0	103

PVC Clear - SR Threaded Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21P8-005CLSR 87.14	YS21S8-005CLSR 168.09	YS31P8-005CLSR 94.73	YS31S8-005CLSR 184.23	1	18	103
3/4	YS21P8-007CLSR 98.80	YS21S8-007CLSR 193.52	YS31P8-007CLSR 108.20	YS31S8-007CLSR 217.49	1	12	103
1	YS21P8-010CLSR 111.10	YS21S8-010CLSR 231.51	YS31P8-010CLSR 121.37	YS31S8-010CLSR 253.59	1	8	103
1-1/4	YS21P8-012CLSR 187.55	YS21S8-012CLSR 335.78	YS31P8-012CLSR 206.69	YS31S8-012CLSR 368.61	1	8	103
1-1/2	YS21P8-015CLSR 201.09	YS21S8-015CLSR 360.47	YS31P8-015CLSR 221.29	YS31S8-015CLSR 394.05	1	4	103
2	YS21P8-020CLSR 246.99	YS21S8-020CLSR 418.78	YS31P8-020CLSR 270.74	YS31S8-020CLSR 461.63	1	0	103
3	YS21P8-030CLSR 534.28	YS21S8-030CLSR 707.06	YS31P8-030CLSR 570.86	YS31S8-030CLSR 743.78	1	0	103
4	YS21P8-040CLSR 904.48	YS21S8-040CLSR 1121.80	YS31P8-040CLSR 970.28	YS31S8-040CLSR 1187.62	1	0	103

PVC Clear - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23P8-005CL 135.16	YS23S8-005CL 228.61	YS33P8-005CL 150.03	YS33S8-005CL 298.77	1	8	103
3/4	YS23P8-007CL 143.59	YS23S8-007CL 261.04	YS33P8-007CL 155.71	YS33S8-007CL 342.41	1	8	103
1	YS23P8-010CL 153.32	YS23S8-010CL 288.54	YS33P8-010CL 167.02	YS33S8-010CL 400.97	1	8	103
1-1/4	YS23P8-012CL 245.78	YS23S8-012CL 422.85	YS33P8-012CL 267.96	YS33S8-012CL 574.54	1	4	103



Strainers & Filters Y-Strainers & True Union Y-Strainers

PVC Clear - Flanged Ends (continued)

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1-1/2	YS23P8-015CL 273.89	YS23S8-015CL 457.01	YS33P8-015CL 304.12	YS33S8-015CL 616.53	1	4	103
2	YS23P8-020CL 344.35	YS23S8-020CL 544.33	YS33P8-020CL 377.84	YS33S8-020CL 700.41	1	0	103
3	YS23P8-030CL 760.63	YS23S8-030CL 933.55	YS33P8-030CL 817.23	YS33S8-030CL 990.64	1	0	103
4	YS23P8-040CL 1225.87	YS23S8-040CL 1443.20	YS33P8-040CL 1317.70	YS33S8-040CL 1535.00	1	0	103

CPVC - Socket Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS22C8-005C 220.59	YS22S8-005C 303.17	YS32C8-005C 247.02	YS32S8-005C 340.78	1	18	104
3/4	YS22C8-007C 242.37	YS22S8-007C 344.78	YS32C8-007C 272.87	YS32S8-007C 387.53	1	18	104
1	YS22C8-010C 307.98	YS22S8-010C 426.45	YS32C8-010C 346.91	YS32S8-010C 478.56	1	12	104
1-1/4	YS22C8-012C 447.09	YS22S8-012C 615.30	YS32C8-012C 538.04	YS32S8-012C 651.54	1	8	104
1-1/2	YS22C8-015C 480.24	YS22S8-015C 635.59	YS32C8-015C 558.20	YS32S8-015C 710.62	1	8	104
2	YS22C8-020C 679.96	YS22S8-020C 796.78	YS32C8-020C 718.49	YS32S8-020C 869.04	1	4	104
3	YS22C8-030C 811.12	YS22S8-030C 970.28	YS32C8-030C 855.51	YS32S8-030C 1043.76	1	0	104
4	YS22C8-040C 1404.94	YS22S8-040C 1606.94	YS32C8-040C 1510.53	YS32S8-040C 1727.84	1	0	104

CPVC - SR Threaded Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS21C8-005CSR 228.62	YS21S8-005CSR 311.20	YS31C8-005CSR 255.06	YS31S8-005CSR 348.82	1	18	104
3/4	YS21C8-007CSR 250.97	YS21S8-007CSR 353.36	YS31C8-007CSR 281.46	YS31S8-007CSR 396.13	1	12	104
1	YS21C8-010CSR 327.67	YS21S8-010CSR 446.11	YS31C8-010CSR 366.61	YS31S8-010CSR 498.21	1	8	104
1-1/4	YS21C8-012CSR 467.31	YS21S8-012CSR 600.88	YS31C8-012CSR 558.27	YS31S8-012CSR 671.79	1	8	104
1-1/2	YS21C8-015CSR 503.66	YS21S8-015CSR 659.00	YS31C8-015CSR 634.34	YS31S8-015CSR 734.02	1	4	104
2	YS21C8-020CSR 713.31	YS21S8-020CSR 830.13	YS31C8-020CSR 799.53	YS31S8-020CSR 902.36	1	0	104
3	YS21C8-030CSR 852.44	YS21S8-030CSR 1011.61	YS31C8-030CSR 912.14	YS31S8-030CSR 1085.07	1	0	104
4	YS21C8-040CSR 1447.78	YS21S8-040CSR 1649.81	YS31C8-040CSR 1553.38	YS31S8-040CSR 1770.71	1	0	104

CPVC - Flanged Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS23C8-005C 355.72	YS23S8-005C 436.73	YS33C8-005C 394.83	YS33S8-005C 487.23	1	8	104
3/4	YS23C8-007C 377.84	YS23S8-007C 464.59	YS33C8-007C 409.73	YS33S8-007C 518.49	1	8	104
1	YS23C8-010C 403.47	YS23S8-010C 516.20	YS33C8-010C 439.53	YS33S8-010C 575.49	1	8	104
1-1/4	YS23C8-012C 646.77	YS23S8-012C 796.18	YS33C8-012C 705.09	YS33S8-012C 886.56	1	4	104
1-1/2	YS23C8-015C 720.76	YS23S8-015C 884.65	YS33C8-015C 800.28	YS33S8-015C 986.94	1	4	104
2	YS23C8-020C 906.18	YS23S8-020C 1106.13	YS33C8-020C 994.34	YS33S8-020C 1157.39	1	0	104
3	YS23C8-030C 1238.11	YS23S8-030C 1398.82	YS33C8-030C 1235.05	YS33S8-030C 1504.41	1	0	104
4	YS23C8-040C 1981.90	YS23S8-040C 2183.91	YS33C8-040C 2131.87	YS33S8-040C 2349.21	1	0	104

PVC Gray - True Union Socket Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AP8-005 87.05	YS2AS8-005 172.23	YS3AP8-005 95.07	YS3AS8-005 189.26	1	12	102
3/4	YS2AP8-007 97.24	YS2AS8-007 196.96	YS3AP8-007 107.16	YS3AS8-007 222.17	1	8	102

Strainers & Filters True Union Y-Strainers



PVC Gray - True Union Socket Ends (continued)

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1	YS2AP8-010 106.91	YS2AS8-010 233.66	YS3AP8-010 117.71	YS3AS8-010 256.91	1	8	102
1-1/4	YS2AP8-012 181.09	YS2AS8-012 337.72	YS3AP8-012 201.23	YS3AS8-012 371.66	1	4	102
1-1/2	YS2AP8-015 191.62	YS2AS8-015 359.36	YS3AP8-015 212.90	YS3AS8-015 394.62	1	0	102
2	YS2AP8-020 225.06	YS2AS8-020 405.88	YS3AP8-020 250.07	YS3AS8-020 451.00	1	0	102
3	YS2AP8-030 518.74	YS2AS8-030 700.76	YS3AP8-030 557.39	YS3AS8-030 739.44	1	0	102
4	YS2AP8-040 906.98	YS2AS8-040 1135.74	YS3AP8-040 976.23	YS3AS8-040 1205.00	1	0	102

PVC Gray - True Union Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005 87.05	YS2BS8-005 172.23	YS3BP8-005 95.07	YS3BS8-005 189.26	1	12	102
3/4	YS2BP8-007 97.24	YS2BS8-007 196.96	YS3BP8-007 107.16	YS3BS8-007 222.17	1	8	102
1	YS2BP8-010 106.91	YS2BS8-010 233.66	YS3BP8-010 117.71	YS3BS8-010 256.91	1	8	102
1-1/4	YS2BP8-012 181.09	YS2BS8-012 337.72	YS3BP8-012 201.23	YS3BS8-012 371.66	1	4	102
1-1/2	YS2BP8-015 191.62	YS2BS8-015 359.36	YS3BP8-015 212.90	YS3BS8-015 394.62	1	0	102
2	YS2BP8-020 225.06	YS2BS8-020 405.88	YS3BP8-020 250.07	YS3BS8-020 451.00	1	0	102
3	YS2BP8-030 518.74	YS2BS8-030 700.76	YS3BP8-030 557.39	YS3BS8-030 739.44	1	0	102
4	YS2BP8-040 906.98	YS2BS8-040 1135.74	YS3BP8-040 976.23	YS3BS8-040 1205.00	1	0	102

PVC Gray - True Union SR Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005SR 91.71	YS2BS8-005SR 176.91	YS3BP8-005SR 99.74	YS3BS8-005SR 193.95	1	12	102
3/4	YS2BP8-007SR 104.02	YS2BS8-007SR 203.71	YS3BP8-007SR 113.89	YS3BS8-007SR 228.93	1	8	102
1	YS2BP8-010SR 116.93	YS2BS8-010SR 243.66	YS3BP8-010SR 127.73	YS3BS8-010SR 266.93	1	8	102
1-1/4	YS2BP8-012SR 197.41	YS2BS8-012SR 353.45	YS3BP8-012SR 217.56	YS3BS8-012SR 388.00	1	4	102
1-1/2	YS2BP8-015SR 211.66	YS2BS8-015SR 379.44	YS3BP8-015SR 232.95	YS3BS8-015SR 414.79	1	0	102
2	YS2BP8-020SR 259.98	YS2BS8-020SR 440.81	YS3BP8-020SR 285.00	YS3BS8-020SR 485.94	1	0	102
3	YS2BP8-030SR 562.23	YS2BS8-030SR 744.27	YS3BP8-030SR 600.88	YS3BS8-030SR 782.94	1	0	102
4	YS2BP8-040SR 952.11	YS2BS8-040SR 1180.85	YS3BP8-040SR 1021.37	YS3BS8-040SR 1250.12	1	0	102

PVC Clear - True Union Socket Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AP8-005CL 87.05	YS2AS8-005CL 172.23	YS3AP8-005CL 95.07	YS3AS8-005CL 189.26	1	12	103
3/4	YS2AP8-007CL 97.24	YS2AS8-007CL 196.96	YS3AP8-007CL 107.16	YS3AS8-007CL 222.17	1	8	103
1	YS2AP8-010CL 106.91	YS2AS8-010CL 233.66	YS3AP8-010CL 117.71	YS3AS8-010CL 256.91	1	8	103
1-1/4	YS2AP8-012CL 181.09	YS2AS8-012CL 337.12	YS3AP8-012CL 201.23	YS3AS8-012CL 371.66	1	4	103
1-1/2	YS2AP8-015CL 191.62	YS2AS8-015CL 359.36	YS3AP8-015CL 212.90	YS3AS8-015CL 394.62	1	0	103
2	YS2AP8-020CL 225.06	YS2AS8-020CL 405.88	YS3AP8-020CL 250.07	YS3AS8-020CL 451.00	1	0	103
3	YS2AP8-030CL 518.74	YS2AS8-030CL 700.76	YS3AP8-030CL 557.39	YS3AS8-030CL 739.44	1	0	103
4	YS2AP8-040CL 906.98	YS2AS8-040CL 1135.74	YS3AP8-040CL 976.23	YS3AS8-040CL 1205.00	1	0	103



Strainers & Filters True Union Y-Strainers

PVC Clear - True Union Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005CL 87.05	YS2BS8-005CL 172.23	YS3BP8-005CL 95.07	YS3BS8-005CL 189.26	1	12	103
3/4	YS2BP8-007CL 97.24	YS2BS8-007CL 196.96	YS3BP8-007CL 107.16	YS3BS8-007CL 222.17	1	8	103
1	YS2BP8-010CL 106.91	YS2BS8-010CL 233.67	YS3BP8-010CL 117.71	YS3BS8-010CL 256.91	1	8	103
1-1/4	YS2BP8-012CL 181.09	YS2BS8-012CL 337.12	YS3BP8-012CL 201.23	YS3BS8-012CL 371.66	1	4	103
1-1/2	YS2BP8-015CL 191.62	YS2BS8-015CL 359.36	YS3BP8-015CL 212.90	YS3BS8-015CL 394.62	1	0	103
2	YS2BP8-020CL 225.06	YS2BS8-020CL 405.88	YS3BP8-020CL 250.07	YS3BS8-020CL 451.00	1	0	103
3	YS2BP8-030CL 518.74	YS2BS8-030CL 700.76	YS3BP8-030CL 557.39	YS3BS8-030CL 739.44	1	0	103
4	YS2BP8-040CL 906.98	YS2BS8-040CL 1135.74	YS3BP8-040CL 976.23	YS3BS8-040CL 1205.00	1	0	103

PVC Clear - True Union SR Threaded Ends

Size	EPDM PVC Screen	EPDM SS Screen	Viton® PVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BP8-005CLSR 91.71	YS2BS8-005CLSR 176.91	YS3BP8-005CLSR 99.74	YS3BS8-005CLSR 193.95	1	12	103
3/4	YS2BP8-007CLSR 104.02	YS2BS8-007CLSR 203.71	YS3BP8-007CLSR 113.89	YS3BS8-007CLSR 228.93	1	8	103
1	YS2BP8-010CLSR 116.93	YS2BS8-010CLSR 243.66	YS3BP8-010CLSR 127.73	YS3BS8-010CLSR 266.93	1	8	103
1-1/4	YS2BP8-012CLSR 197.41	YS2BS8-012CLSR 353.45	YS3BP8-012CLSR 217.56	YS3BS8-012CLSR 388.00	1	4	103
1-1/2	YS2BP8-015CLSR 211.66	YS2BS8-015CLSR 379.44	YS3BP8-015CLSR 232.95	YS3BS8-015CLSR 414.79	1	0	103
2	YS2BP8-020CLSR 259.98	YS2BS8-020CLSR 440.81	YS3BP8-020CLSR 285.00	YS3BS8-020CLSR 485.94	1	0	103
3	YS2BP8-030CLSR 562.23	YS2BS8-030CLSR 744.27	YS3BP8-030CLSR 600.88	YS3BS8-030CLSR 782.94	1	0	103
4	YS2BP8-040CLSR 952.11	YS2BS8-040CLSR 1180.85	YS3BP8-040CLSR 1021.37	YS3BS8-040CLSR 1250.12	1	0	103

CPVC - True Union Socket Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2AC8-005C 232.21	YS2AS8-005C 319.13	YS3AC8-005C 260.05	YS3AS8-005C 358.71	1	12	104
3/4	YS2AC8-007C 255.13	YS2AS8-007C 362.93	YS3AC8-007C 287.23	YS3AS8-007C 407.93	1	8	104
1	YS2AC8-010C 324.19	YS2AS8-010C 448.91	YS3AC8-010C 365.18	YS3AS8-010C 503.73	1	8	104
1-1/4	YS2AC8-012C 470.62	YS2AS8-012C 647.68	YS3AC8-012C 566.34	YS3AS8-012C 686.81	1	4	104
1-1/2	YS2AC8-015C 505.52	YS2AS8-015C 669.03	YS3AC8-015C 587.61	YS3AS8-015C 748.01	1	0	104
2	YS2AC8-020C 715.74	YS2AS8-020C 838.71	YS3AC8-020C 756.31	YS3AS8-020C 914.78	1	0	104
3	YS2AC8-030C 853.80	YS2AS8-030C 1021.37	YS3AC8-030C 916.66	YS3AS8-030C 1098.68	1	0	104
4	YS2AC8-040C 1478.87	YS2AS8-040C 1691.51	YS3AC8-040C 1590.04	YS3AS8-040C 1818.80	1	0	104

CPVC - True Union Threaded Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BC8-005C 232.21	YS2BS8-005C 319.13	YS3BC8-005C 260.05	YS3BS8-005C 358.71	1	12	104
3/4	YS2BC8-007C 255.13	YS2BS8-007C 362.93	YS3BC8-007C 287.23	YS3BS8-007C 407.93	1	8	104
1	YS2BC8-010C 324.19	YS2BS8-010C 448.91	YS3BC8-010C 365.18	YS3BS8-010C 503.73	1	8	104
1-1/4	YS2BC8-012C 470.62	YS2BS8-012C 647.68	YS3BC8-012C 566.34	YS3BS8-012C 685.84	1	4	104
1-1/2	YS2BC8-015C 505.52	YS2BS8-015C 669.03	YS3BC8-015C 587.61	YS3BS8-015C 748.01	1	0	104
2	YS2BC8-020C 715.74	YS2BS8-020C 838.71	YS3BC8-020C 756.31	YS3BS8-020C 914.78	1	0	104
3	YS2BC8-030C 853.80	YS2BS8-030C 1021.37	YS3BC8-030C 902.87	YS3BS8-030C 1098.68	1	0	104
4	YS2BC8-040C 1478.87	YS2BS8-040C 1691.51	YS3BC8-040C 1590.04	YS3BS8-040C 1818.80	1	0	104

Strainers & Filters
True Union Y-Strainers



CPVC - True Union SR Threaded Ends

Size	EPDM CPVC Screen	EPDM SS Screen	Viton® CPVC Screen	Viton® SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	YS2BC8-005CSR 240.67	YS2BS8-005CSR 327.55	YS3BC8-005CSR 268.48	YS3BS8-005CSR 367.18	1	12	104
3/4	YS2BC8-007CSR 264.18	YS2BS8-007CSR 371.94	YS3BC8-007CSR 296.28	YS3BS8-007CSR 416.98	1	12	104
1	YS2BC8-010CSR 344.90	YS2BS8-010CSR 469.56	YS3BC8-010CSR 385.89	YS3BS8-010CSR 524.71	1	8	104
1-1/4	YS2BC8-012CSR 491.89	YS2BS8-012CSR 632.51	YS3BC8-012CSR 587.63	YS3BS8-012CSR 707.13	1	4	104
1-1/2	YS2BC8-015CSR 530.15	YS2BS8-015CSR 693.68	YS3BC8-015CSR 667.71	YS3BS8-015CSR 772.65	1	0	104
2	YS2BC8-020CSR 750.86	YS2BS8-020CSR 873.81	YS3BC8-020CSR 841.61	YS3BS8-020CSR 949.86	1	0	104
3	YS2BC8-030CSR 897.32	YS2BS8-030CSR 1064.86	YS3BC8-030CSR 960.14	YS3BS8-030CSR 1142.18	1	0	104
4	YS2BC8-040CSR 1523.97	YS2BS8-040CSR 1736.64	YS3BC8-040CSR 1635.14	YS3BS8-040CSR 1863.88	1	0	104



Strainers & Filters Basket Strainers



Pressure Rating
@ 73°F (23°C), Water

1/2"-8"	150 psi
10"-12"	50 psi

Maximum Service
Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure
De-ratings Apply

Important Ordering Information - Column headings indicate Elastomer seal type and Strainer Basket screen material. All Part Numbers shown designate 1/8" perforated (#6 Mesh Code) Strainer Basket Screens. To order other screen perforation sizing, replace the number "6" preceding the dash-separator with the corresponding Mesh Code from chart. Pricing is the same for all listed Mesh Codes.

Perforation Size	Mesh Code
1/16"	12
3/32"	8
1/8"	6
3/16"	4
1/4"	3
3/8"	2

Example: To order a 1/16" screen perforation in listed part number BS22P6-020, change the part number to BS22P12-020

Contact Spears® for additional perforations & wire mesh sizes

PVC - Socket Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS22P6-005 386.71	BS22S6-005 618.43	BS32P6-005 407.06	BS32S6-005 638.78	1	2	295
3/4	BS22P6-007 386.71	BS22S6-007 618.43	BS32P6-007 407.06	BS32S6-007 638.78	1	2	295
1	BS22P6-010 386.71	BS22S6-010 618.43	BS32P6-010 407.06	BS32S6-010 638.78	1	2	295
1-1/4	BS22P6-012 708.31	BS22S6-012 1016.26	BS32P6-012 795.65	BS32S6-012 1142.12	1	0	295
1-1/2	BS22P6-015 708.31	BS22S6-015 1016.26	BS32P6-015 795.65	BS32S6-015 1142.12	1	0	295
2	BS22P6-020 708.31	BS22S6-020 1016.26	BS32P6-020 795.65	BS32S6-020 1142.12	1	0	295
2-1/2	BS22P6-025 1339.59	BS22S6-025 1874.63	BS32P6-025 1505.88	BS32S6-025 2106.39	1	0	295
3	BS22P6-030 1634.47	BS22S6-030 2168.95	BS32P6-030 1836.53	BS32S6-030 2437.06	1	0	295
4	BS22P6-040 2164.52	BS22S6-040 2779.24	BS32P6-040 2432.03	BS32S6-040 3114.18	1	0	295
6	BS22P6-060 3090.12	BS22S6-060 4153.51	BS32P6-060 3472.16	BS32S6-060 4672.60	1	0	295
8	BS22P6-080 4118.85	BS22S6-080 5564.30	BS32P6-080 4628.90	BS32S6-080 6253.35	1	0	295
10	BS22P6-100 7893.20	BS22S6-100 9958.39	BS32P6-100 8632.28	BS32S6-100 10951.54	1	0	295
12	BS22P6-120 9779.41	BS22S6-120 12527.86	BS32P6-120 10755.21	BS32S6-120 13840.53	1	0	295

PVC - Flanged Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS23P6-005 445.77	BS23S6-005 677.48	BS33P6-005 468.12	BS33S6-005 699.84	1	0	295
3/4	BS23P6-007 445.77	BS23S6-007 677.48	BS33P6-007 468.12	BS33S6-007 699.84	1	0	295
1	BS23P6-010 445.77	BS23S6-010 677.48	BS33P6-010 468.12	BS33S6-010 699.84	1	0	295
1-1/4	BS23P6-012 842.03	BS23S6-012 1150.96	BS33P6-012 946.95	BS33S6-012 1293.41	1	0	295
1-1/2	BS23P6-015 842.03	BS23S6-015 1126.73	BS33P6-015 946.95	BS33S6-015 1293.41	1	0	295
2	BS23P6-020 842.03	BS23S6-020 1150.96	BS33P6-020 946.95	BS33S6-020 1293.41	1	0	295
2-1/2	BS23P6-025 1545.52	BS23S6-025 2080.03	BS33P6-025 1736.66	BS33S6-025 2337.17	1	0	295

Strainers & Filters Basket Strainers



PVC - Flanged Ends (continued)

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
3	BS23P6-030 1962.23	BS23S6-030 2495.96	BS33P6-030 2204.74	BS33S6-030 2804.29	1	0	295
4	BS23P6-040 2557.34	BS23S6-040 3165.56	BS33P6-040 2873.57	BS33S6-040 3556.85	1	0	295
6	BS23P6-060 5458.09	BS23S6-060 6521.29	BS33P6-060 6132.66	BS33S6-060 7327.32	1	0	295
8	BS23P6-080 7192.60	BS23S6-080 8638.06	BS33P6-080 8081.84	BS33S6-080 9706.24	1	0	295
10	BS23P6-100 9589.24	BS23S6-100 11654.27	BS33P6-100 10774.48	BS33S6-100 13094.70	1	0	295
12	BS23P6-120 13121.45	BS23S6-120 15871.65	BS33P6-120 14743.20	BS33S6-120 17833.31	1	0	295

PVC - Spigot Ends

Size	EPDM Seals PVC Screen	EPDM Seals SS Screen	Viton® Seals PVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS27P6-005 386.71	BS27S6-005 618.43	BS37P6-005 407.06	BS37S6-005 638.78	1	0	295
3/4	BS27P6-007 386.71	BS27S6-007 618.43	BS37P6-007 407.06	BS37S6-007 638.78	1	0	295
1	BS27P6-010 386.71	BS27S6-010 618.43	BS37P6-010 407.06	BS37S6-010 638.78	1	0	295
1-1/4	BS27P6-012 708.31	BS27S6-012 1016.26	BS37P6-012 795.65	BS37S6-012 1142.12	1	0	295
1-1/2	BS27P6-015 708.31	BS27S6-015 1016.26	BS37P6-015 795.65	BS37S6-015 1142.12	1	0	295
2	BS27P6-020 708.31	BS27S6-020 1016.26	BS37P6-020 795.65	BS37S6-020 1142.12	1	0	295
2-1/2	BS27P6-025 1339.59	BS27S6-025 1874.65	BS37P6-025 1505.88	BS37S6-025 2106.39	1	0	295
3	BS27P6-030 1634.47	BS27S6-030 2168.95	BS37P6-030 1836.53	BS37S6-030 2437.06	1	0	295
4	BS27P6-040 2164.52	BS27S6-040 2779.24	BS37P6-040 2432.03	BS37S6-040 3114.18	1	0	295
6	BS27P6-060 3090.12	BS27S6-060 4153.51	BS37P6-060 3472.16	BS37S6-060 4672.60	1	0	295
8	BS27P6-080 4118.85	BS27S6-080 5564.30	BS37P6-080 4628.90	BS37S6-080 6253.35	1	0	295
10	BS27P6-100 7893.20	BS27S6-100 9958.39	BS37P6-100 8632.28	BS37S6-100 10951.54	1	0	295
12	BS27P6-120 9779.41	BS27S6-120 12527.86	BS37P6-120 10755.21	BS37S6-120 13840.53	1	0	295

CPVC - Socket Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS22C6-005C 602.77	BS22S6-005C 834.47	BS32C6-005C 633.22	BS32S6-005C 864.94	1	2	297
3/4	BS22C6-007C 602.77	BS22S6-007C 834.47	BS32C6-007C 633.22	BS32S6-007C 864.94	1	2	297
1	BS22C6-010C 602.77	BS22S6-010C 834.47	BS32C6-010C 633.22	BS32S6-010C 864.94	1	2	297
1-1/4	BS22C6-012C 1137.49	BS22S6-012C 1446.44	BS32C6-012C 1278.56	BS32S6-012C 1625.02	1	0	297
1-1/2	BS22C6-015C 1137.49	BS22S6-015C 1446.44	BS32C6-015C 1278.56	BS32S6-015C 1625.02	1	0	297
2	BS22C6-020C 1137.49	BS22S6-020C 1446.44	BS32C6-020C 1278.56	BS32S6-020C 1625.02	1	0	297
2-1/2	BS22C6-025C 1863.49	BS22S6-025C 2396.24	BS32C6-025C 2093.68	BS32S6-025C 2692.65	1	0	297
3	BS22C6-030C 2416.10	BS22S6-030C 2950.73	BS32C6-030C 2714.79	BS32S6-030C 3315.30	1	0	297
4	BS22C6-040C 3210.39	BS22S6-040C 3818.22	BS32C6-040C 3607.85	BS32S6-040C 4290.17	1	0	297
6	BS22C6-060C 4242.99	BS22S6-060C 5308.14	BS32C6-060C 4767.46	BS32S6-060C 5964.05	1	0	297
8	BS22C6-080C 6057.05	BS22S6-080C 7502.85	BS32C6-080C 6805.74	BS32S6-080C 8430.19	1	0	297
10	BS22C6-100C 10632.43	BS22S6-100C 12696.27	BS32C6-100C 11946.62	BS32S6-100C 14265.89	1	0	297
12	BS22C6-120C 13501.78	BS22S6-120C 16252.17	BS32C6-120C 15170.49	BS32S6-120C 18261.73	1	0	297



Strainers & Filters Basket Strainers

CPVC - Flanged Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS23C6-005C 659.69	BS23S6-005C 891.39	BS33C6-005C 694.29	BS33S6-005C 926.00	1	0	297
3/4	BS23C6-007C 659.69	BS23S6-007C 891.39	BS33C6-007C 694.29	BS33S6-007C 926.00	1	0	297
1	BS23C6-010C 659.69	BS23S6-010C 891.39	BS33C6-010C 694.29	BS33S6-010C 926.00	1	0	297
1-1/4	BS23C6-012C 1282.83	BS23S6-012C 1589.62	BS33C6-012C 1441.21	BS33S6-012C 1786.13	1	0	297
1-1/2	BS23C6-015C 1282.83	BS23S6-015C 1589.62	BS33C6-015C 1441.21	BS33S6-015C 1786.13	1	0	297
2	BS23C6-020C 1282.83	BS23S6-020C 1589.62	BS33C6-020C 1441.21	BS33S6-020C 1786.13	1	0	297
2-1/2	BS23C6-025C 2434.77	BS23S6-025C 2968.45	BS33C6-025C 2735.01	BS33S6-025C 3335.52	1	2	297
3	BS23C6-030C 2894.94	BS23S6-030C 3620.37	BS33C6-030C 3252.76	BS33S6-030C 3853.24	1	0	297
4	BS23C6-040C 3790.70	BS23S6-040C 7828.53	BS33C6-040C 4259.38	BS33S6-040C 8795.88	1	0	297
6	BS23C6-060C 7279.80	BS23S6-060C 8343.96	BS33C6-060C 8179.96	BS33S6-060C 9375.20	1	0	297
8	BS23C6-080C 9417.57	BS23S6-080C 10863.60	BS33C6-080C 10582.02	BS33S6-080C 12206.45	1	0	297
10	BS23C6-100C 12787.71	BS23S6-100C 14851.00	BS33C6-100C 14367.89	BS33S6-100C 16687.16	1	0	297
12	BS23C6-120C 17494.56	BS23S6-120C 20244.01	BS33C6-120C 19656.97	BS33S6-120C 22749.03	1	0	297

CPVC - Spigot Ends

Size	EPDM Seals CPVC Screen	EPDM Seals SS Screen	Viton® Seals CPVC Screen	Viton® Seals SS Screen	Std Pk	Mstr Pk	Disc Code
1/2	BS27C6-005C 602.77	BS27S6-005C 834.47	BS37C6-005C 633.22	BS37S6-005C 864.94	1	0	297
3/4	BS27C6-007C 602.77	BS27S6-007C 834.47	BS37C6-007C 633.22	BS37S6-007C 864.94	1	0	297
1	BS27C6-010C 602.77	BS27S6-010C 834.47	BS37C6-010C 633.22	BS37S6-010C 864.94	1	0	297
1-1/4	BS27C6-012C 1137.49	BS27S6-012C 1446.44	BS37C6-012C 1278.56	BS37S6-012C 1625.02	1	0	297
1-1/2	BS27C6-015C 1137.49	BS27S6-015C 1446.44	BS37C6-015C 1278.56	BS37S6-015C 1625.02	1	0	297
2	BS27C6-020C 1137.49	BS27S6-020C 1446.44	BS37C6-020C 1278.56	BS37S6-020C 1625.02	1	0	297
2-1/2	BS27C6-025C 1863.49	BS27S6-025C 2396.24	BS37C6-025C 2093.68	BS37S6-025C 2692.65	1	0	297
3	BS27C6-030C 2416.10	BS27S6-030C 2950.73	BS37C6-030C 2714.79	BS37S6-030C 3315.30	1	0	297
4	BS27C6-040C 3210.39	BS27S6-040C 3818.22	BS37C6-040C 3607.85	BS37S6-040C 4290.17	1	0	297
6	BS27C6-060C 4242.99	BS27S6-060C 5308.14	BS37C6-060C 4767.46	BS37S6-060C 5964.05	1	0	297
8	BS27C6-080C 6057.05	BS27S6-080C 7502.85	BS37C6-080C 6805.74	BS37S6-080C 8430.19	1	0	297
10	BS27C6-100C 10632.43	BS27S6-100C 12696.27	BS37C6-100C 11946.62	BS37S6-100C 14265.89	1	0	297
12	BS27C6-120C 13501.78	BS27S6-120C 16252.17	BS37C6-120C 15170.31	BS37S6-120C 18261.73	1	0	297

Strainers & Filters Suction Strainers



Pressure Rating @ 73°F (23°C), Water
50 psi

Maximum Service Temperature
PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

Suction Strainer is a special Basket Strainer design that reduces pressure drop, a critical element in suction line applications. While same-size (inlet/outlet) units are available, enlarged inlet on reducing sizes performs best in suction line applications. The internal Strainer Basket is bottom-drained for direct flushing through a 360° adjustable side mounted Discharge Valve Assembly (included). Bolt-on Bonnet is fitted with Top Sight-Glass.

Standard units listed have EPDM Seals and Stainless Steel 3/16" Perforated Screen (4-mesh). Contact Spears® for other Mesh Code or Elastomer seal options required.

PVC Suction Strainer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Flanged End

SS23BS4SG-040	4	1	0	295	2831.29
SS23BS4SG-420	4X2	1	0	295	2697.00
SS23BS4SG-421	4X2-1/2	1	0	295	2707.55
SS23BS4SG-422	4X3	1	0	295	2714.44
SS23BS4SG-060	6	1	0	295	3693.15
SS23BS4SG-532	6X4	1	0	295	3567.91
SS23BS4SG-080	8	1	0	295	4056.43
SS23BS4SG-582	8X4	1	0	295	3688.55
SS23BS4SG-585	8X6	1	0	295	3709.95
SS23BS4SG-100	10	1	0	295	4537.73
SS23BS4SG-626	10X6	1	0	295	4416.21
SS23BS4SG-628	10X8	1	0	295	4466.51
SS23BS4SG-120	12	1	0	295	4989.30
SS23BS4SG-668	12X8	1	0	295	4868.68
SS23BS4SG-670	12X10	1	0	295	4909.68

Suction Strainer Stainless Steel Baskets

3/16" Perforation

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
SSS4-040	4	1	4	299	785.17
SSS4-060	6	1	2	299	835.29
SSS4-080	8	1	2	299	1046.74
SSS4-100	10	1	0	299	1137.77
SSS4-120	12	1	2	299	1394.84



Expansion Joints Fabricated Expansion Joints

Triple O-ring Sealed Telescoping Design Available with 6" and 12" Travel



- Compact Installation - Eliminates Need For Expansion Loops
- EPDM or Viton® Pressure O-ring Seal with Dual "Wiper" O-ring for Extended Life
- Support Piston Eliminates Binding, Minimizes Alignment Problems
- Excellent For Use as a Repair Coupling

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Fabricated Expansion Joints 6" Travel with EPDM O-rings



1/2" - 2" 235 psi @ 73°F (23°C)
2-1/2" - 12" 150 psi @ 73°F (23°C)
14" 100 psi @ 73°F (23°C)

826-005X6	1/2	10	0	085	297.38
826-007X6	3/4	6	0	085	319.69
826-010X6	1	5	0	085	323.29
826-012X6	1-1/4	4	0	085	375.77
826-015X6	1-1/2	4	0	085	398.46
826-020X6	2	2	0	085	445.72
826-025X6	2-1/2	1	0	085	508.39
826-030X6	3	1	0	085	527.73
826-040X6	4	1	0	085	566.36
826-060X6	6	1	0	085	933.09
826-080X6	8	1	0	085	1284.60
826-100X6	10	1	0	085	1508.49
826-120X6	12	1	0	085	2672.86
826-140X6	14	1	0	085	3053.13

Viton® O-rings available on special order. Add a "V" preceding the dash (-) separator, e.g. 826V-005X6.

PVC Fabricated Expansion Joints 12" Travel with EPDM O-rings



1/2" - 2" 235 psi @ 73°F (23°C)
2-1/2" - 12" 150 psi @ 73°F (23°C)
14" 100 psi @ 73°F (23°C)

826-005X12	1/2	10	0	085	334.50
826-007X12	3/4	6	0	085	353.77
826-010X12	1	5	0	085	423.93
826-012X12	1-1/4	4	0	085	540.47
826-015X12	1-1/2	4	0	085	429.18
826-020X12	2	2	0	085	506.27
826-025X12	2-1/2	1	0	085	850.53
826-030X12	3	1	0	085	654.06
826-040X12	4	1	0	085	734.77
826-060X12	6	1	0	085	1070.35
826-080X12	8	1	0	085	1435.01
826-100X12	10	1	0	085	1754.40
826-120X12	12	1	0	085	2810.05
826-140X12	14	1	0	085	3119.11

Viton® O-rings available on special order. Add a "V" preceding the dash (-) separator, e.g. 826V-005X12

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC Fabricated Expansion Joints 6" Travel with Viton® O-rings



1/2" - 2" 235 psi @ 73°F (23°C)
2-1/2" - 12" 150 psi @ 73°F (23°C)

826-005X6C	1/2	10	0	085	367.70
826-007X6C	3/4	6	0	085	402.36
826-010X6C	1	5	0	085	434.91
826-012X6C	1-1/4	4	0	085	456.80
826-015X6C	1-1/2	4	0	085	497.86
826-020X6C	2	2	0	085	630.85
826-025X6C	2-1/2	1	0	085	748.60
826-030X6C	3	1	0	085	869.66
826-040X6C	4	1	0	085	1282.63
826-060X6C	6	1	0	085	1378.79
826-080X6C	8	1	0	085	2615.53
826-100X6C	10	1	0	085	3339.03
826-120X6C	12	1	0	085	4429.50

EPDM O-rings available on special order. Add an "E" preceding the dash (-) separator, e.g. 826E-005X6C

CPVC Fabricated Expansion Joints 12" Travel with Viton® O-rings



1/2" - 2" 235 psi @ 73°F (23°C)
2-1/2" - 12" 150 psi @ 73°F (23°C)

826-005X12C	1/2	10	0	085	374.49
826-007X12C	3/4	6	0	085	429.46
826-010X12C	1	5	0	085	458.13
826-012X12C	1-1/4	4	0	085	726.24
826-015X12C	1-1/2	4	0	085	575.05
826-020X12C	2	2	0	085	734.02
826-025X12C	2-1/2	1	0	085	1111.23
826-030X12C	3	1	0	085	893.04
826-040X12C	4	1	0	085	1479.32
826-060X12C	6	1	0	085	1629.67
826-080X12C	8	1	0	085	3120.15
826-100X12C	10	1	0	085	3655.37

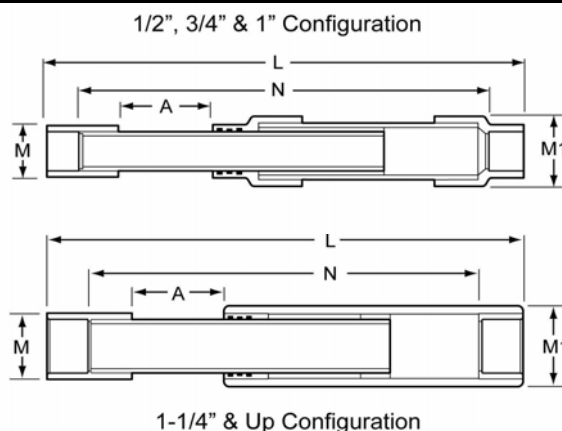
EPDM O-rings available on special order. Add an "E" preceding the dash (-) separator, e.g. 826E-005X12C

Expansion Joints Fabricated Expansion Joints



EXPANSION JOINT REPAIR COUPLING (Soc x Soc)

1/2" - 2" 235 psi @ 73°F (23°C)
2- 1/2" - 12" 150 psi @ 73°F (23°C)
14" 100 psi @ 73°F (23°C)
NOTE: "A" = Midpoint of Extension



Part Number		Size	A	L	M	M1	N	Approx. Wt. (Lbs.)	
PVC	CPVC							PVC	CPVC
826-005X6	826-005X6C	1/2	3	13- 11/16	1- 9/32	1- 23/32	11- 15/16	.50	.55
826-007X6	826-007X6C	3/4	3	14- 13/16	1- 1/2	2- 1/16	12- 13/16	1.00	1.10
826-010X6	826-010X6C	1	3	15- 15/16	1- 23/32	2- 11/32	13- 11/16	1.00	1.10
826-012X6	826-012X6C	1- 1/4	3	15- 3/4	2- 7/32	2- 3/8	13- 3/8	1.50	1.65
826-015X6	826-015X6C	1- 1/2	3	16- 1/8	2- 11/32	2- 7/8	13- 7/16	2.00	2.20
826-020X6	826-020X6C	2	3	16- 15/16	2- 7/8	3- 1/2	13- 15/16	3.00	3.30
826-025X6	826-025X6C	2- 1/2	3	18- 7/8	4- 3/16	4- 1/2	14- 7/8	6.00	6.60
826-030X6	826-030X6C	3	3	18- 3/4	4- 3/16	4- 1/2	15- 1/4	6.00	6.60
826-040X6	826-040X6C	4	3	19- 3/4	5- 5/16	5- 9/16	15- 3/16	7.00	7.70
826-060X6	826-060X6C	6	3	22- 3/4	7- 11/16	8- 5/8	16- 3/4	26.50	29.15
826-080X6	826-080X6C	8	3	27- 1/4	9- 11/16	10- 3/4	19- 1/4	40.50	44.55
826-100X6	826-100X6C	10	3	35- 7/8	11- 13/16	12- 3/4	25- 7/8	67.00	73.70
826-120X6	826-120X6C	12	3	39- 1/2	14- 1/8	16	27- 1/2	134.00	147.40
826-140X6	---	14	3	49- 3/4	15- 5/8	16	34- 7/8	104.27	---

Part Number		Size	A	L	M	M1	N	Approx. Wt. (Lbs.)	
PVC	CPVC							PVC	CPVC
826-005X12	826-005X12C	1/2	6	16- 11/16	1- 9/32	1- 23/32	14- 15/16	.57	.63
826-007X12	826-007X12C	3/4	6	17- 13/16	1- 1/2	2- 1/16	15- 13/16	1.14	1.26
826-010X12	826-010X12C	1	6	18- 15/16	1- 23/32	2- 11/32	16- 11/16	1.14	1.26
826-012X12	826-012X12C	1- 1/4	6	18- 3/4	2- 7/32	2- 3/8	16- 3/8	1.71	1.88
826-015X12	826-015X12C	1- 1/2	6	19- 1/8	2- 11/32	2- 7/8	16- 7/16	2.28	2.51
826-020X12	826-020X12C	2	6	19- 15/16	2- 7/8	3- 1/2	16- 15/16	3.43	3.77
826-025X12	826-025X12C	2- 1/2	6	21- 7/8	4- 3/16	4- 1/2	17- 7/8	6.85	7.54
826-030X12	826-030X12C	3	6	21- 3/4	4- 3/16	4- 1/2	18- 1/4	6.85	7.54
826-040X12	826-040X12C	4	6	22- 3/4	5- 5/16	5- 9/16	18- 3/16	8.00	8.80
826-060X12	826-060X12C	6	6	25- 3/4	7- 11/16	8- 5/8	19- 3/4	30.27	33.30
826-080X12	826-080X12C	8	6	30- 1/4	9- 11/16	10- 3/4	22- 1/4	46.26	50.89
826-100X12	826-100X12C	10	6	38- 7/8	11- 13/16	12- 3/4	28- 7/8	76.53	84.19
826-120X12	---	12	6	42- 1/2	14- 1/8	16	30- 1/2	153.07	---
826-140X12	---	14	6	52- 3/4	15- 5/8	16	37- 7/8	159.00	---



Expansion Joints Elastomer Expansion Joints

PVC & CPVC Schedule 80 Elastomer Expansion Joint

Designed to allow for the expansion, contraction, lateral and angular movement of a piping system. Aids in noise and vibration dampening.



- Convenient, Double Union End Connections with Strong, Buttress Thread Union Nuts
- Internal Nylon Cord Reinforced Elastomer Bellows Tube
- Chemically Resistant Neoprene Elastomer with Optional EPDM Tube Available
- Double Spherical Arch Bellows Provides Improved Movement Capability
- Pressure rated to 150 psi @ 73°F (23°C)
- Suitable for Vacuum Service
- Available in Socket or Spears® Special Reinforced (SR) Female Plastic Thread End Connectors, IPS Sizes 3/4" through 3"

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Elastomer Expansion Joint with Neoprene Bellows Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ02-007	3/4	10	0	085	187.96
EJ02-010	1	10	0	085	213.12
EJ02-012	1-1/4	15	0	085	227.07
EJ02-015	1-1/2	10	0	085	279.55
EJ02-020	2	8	0	085	342.55
EJ02-025	2-1/2	4	0	085	484.59
EJ02-030	3	2	0	085	666.11

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Elastomer Expansion Joint with EPDM Bellows Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ22-007C	3/4	10	0	085	195.59
EJ22-010C	1	10	0	085	223.17
EJ22-012C	1-1/4	15	0	085	243.85
EJ22-015C	1-1/2	10	0	085	298.73
EJ22-020C	2	8	0	085	372.84
EJ22-025C	2-1/2	4	0	085	544.83
EJ22-030C	3	2	0	085	740.05

PVC Elastomer Expansion Joint with EPDM Bellows Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ22-007	3/4	10	0	085	191.79
EJ22-010	1	10	0	085	217.45
EJ22-012	1-1/4	15	0	085	234.09
EJ22-015	1-1/2	10	0	085	284.39
EJ22-020	2	8	0	085	349.54
EJ22-025	2-1/2	4	0	085	494.46
EJ22-030	3	2	0	085	679.68

CPVC Elastomer Expansion Joint with EPDM Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007CSR	3/4	10	0	085	197.81
EJ21-010CSR	1	10	0	085	227.48
EJ21-012CSR	1-1/4	15	0	085	251.37
EJ21-015CSR	1-1/2	10	0	085	320.41
EJ21-020CSR	2	8	0	085	423.52
EJ21-025CSR	2-1/2	4	0	085	588.17
EJ21-030CSR	3	2	0	085	783.37

PVC Elastomer Expansion Joint with Neoprene Bellows SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ01-007SR	3/4	10	0	085	190.59
EJ01-010SR	1	10	0	085	217.05
EJ01-012SR	1-1/4	15	0	085	236.07
EJ01-015SR	1-1/2	10	0	085	301.37
EJ01-020SR	2	8	0	085	362.07
EJ01-025SR	2-1/2	4	0	085	527.64
EJ01-030SR	3	2	0	085	709.59

PVC Elastomer Expansion Joint with EPDM Bellows SR Fipt - Stainless Steel Collar



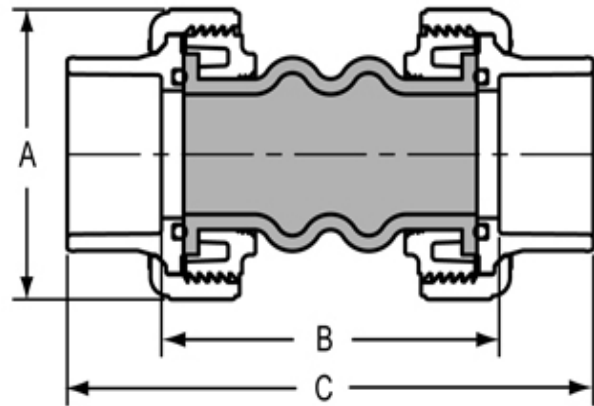
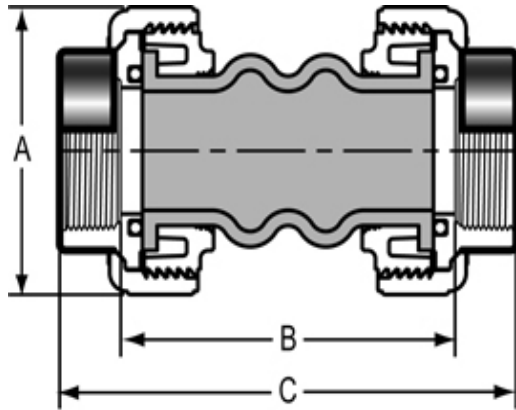
150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

EJ21-007SR	3/4	10	0	085	194.46
EJ21-010SR	1	10	0	085	221.48
EJ21-012SR	1-1/4	15	0	085	240.91
EJ21-015SR	1-1/2	10	0	085	307.50
EJ21-020SR	2	8	0	085	369.47
EJ21-025SR	2-1/2	4	0	085	535.41
EJ21-030SR	3	2	0	085	724.07

Expansion Joints Elastomer Expansion Joints



Technical Information



Dimensions

Size	A	B		C		MAXIMUM MOVEMENTS			
		Socket	Thread	Socket	Thread	COMPRESSION	EXTENSION	LATERAL	ANGULAR
3/4	2-1/4	6-3/8	6-3/8	8-3/8	7-13/16	7/8	1/4	7/8	35°
1	2-9/16	5-15/16	6	8-3/16	7-3/4	7/8	1/4	7/8	25°
1-1/4	3-1/8	6-1/16	6-1/16	8-9/16	7-15/16	7/8	1/4	7/8	25°
1-1/2	3-9/16	5-7/8	5-7/8	8-5/8	7-3/4	7/8	1/4	7/8	20°
2	4-3/16	5-7/16	5-7/16	8-7/16	7-3/8	7/8	1/4	7/8	15°
2-1/2	6-1/8	6-3/16	6-3/16	9-3/4	9	7/8	1/4	7/8	15°
3	6-1/8	6-3/16	6-3/16	10	9	7/8	1/4	7/8	15°



Expansion Joints Repair Couplings

(S119) Socket x Socket



(S118) Spigot x Socket

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC - Spig x Soc

PVC White with EPDM O-ring



Can be used as short-stroke Expansion Joint

S118-05	1/2	25	0	025	5.28
S118-07	3/4	30	0	025	6.00
S118-10	1	15	0	025	6.93
S118-12	1-1/4	23	0	025	13.05
S118-15	1-1/2	25	0	025	14.21
S118-20	2	12	0	025	21.98
S118-25	2-1/2	5	0	025	31.89
S118-30	3	4	0	025	39.84
S118-40	4	2	0	025	69.73
S118-60	6	1	0	025	170.62

PVC - Spig x Soc

PVC Gray with EPDM O-ring



Can be used as short-stroke Expansion Joint

S118E-05G	1/2	25	0	025	6.14
S118E-07G	3/4	24	0	025	6.97
S118E-10G	1	15	0	025	8.07
S118E-12G	1-1/4	12	0	025	15.17
S118E-15G	1-1/2	25	0	025	16.52
S118E-20G	2	12	0	025	25.57
S118E-25G	2-1/2	5	0	025	37.51
S118E-30G	3	4	0	025	46.86
S118E-40G	4	2	0	025	82.04
S118E-60G	6	1	0	025	219.31

PVC - Spig x Soc

PVC Gray with Viton® O-ring



Can be used as short-stroke Expansion Joint

S118V-05G	1/2	25	0	025	6.71
S118V-07G	3/4	24	0	025	7.65
S118V-10G	1	15	0	025	8.84
S118V-12G	1-1/4	12	0	025	16.62
S118V-15G	1-1/2	25	0	025	18.12
S118V-20G	2	12	0	025	28.03
S118V-25G	2-1/2	5	0	025	42.15
S118V-30G	3	4	0	025	52.65
S118V-40G	4	2	0	025	92.17
S118V-60G	6	1	0	025	249.22

PVC - Soc x Soc

PVC White with EPDM O-ring



Can be used as short-stroke Expansion Joint

S119-05	1/2	30	0	025	5.28
S119-07	3/4	24	0	025	6.00
S119-10	1	20	0	025	6.93
S119-12	1-1/4	10	0	025	13.05
S119-15	1-1/2	16	0	025	14.21
S119-20	2	10	0	025	21.98

- Multi-function Telescoping Design
- Socket x Socket Configuration for Pipe Repair or Use as a Short-Stroke Expansion Joint
- Spigot x Socket Configuration for Replacing Damaged Fittings
- Both Configurations can be Easily Modified for Opposite Use
- Available in PVC White and PVC Gray
- Double O-ring Seal in EPDM or genuine Viton®
- 1/2" - 2" Pressure Rated to 235 PSI @ 73°F (23°C)
- 2-1/2" - 4" Pressure Rated to 200 PSI @ 73°F (23°C)
- 6" Pressure Rated to 150 PSI @ 73°F (23°C)
- NSF® Certified for Potable Water Use

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC - Soc x Soc (continued)

PVC White with EPDM O-ring

S119-25	2-1/2	5	0	025	31.89
S119-30	3	4	0	025	39.84
S119-40	4	2	0	025	69.73
S119-60	6	1	0	025	170.62

PVC - Soc x Soc

PVC Gray with Viton® O-ring



Can be used as short-stroke Expansion Joint

S119V-05G	1/2	28	0	025	6.71
S119V-07G	3/4	24	0	025	7.65
S119V-10G	1	20	0	025	8.84
S119V-12G	1-1/4	10	0	025	16.62
S119V-15G	1-1/2	16	0	025	18.12
S119V-20G	2	10	0	025	28.03
S119V-25G	2-1/2	5	0	025	42.15
S119V-30G	3	4	0	025	52.65
S119V-40G	4	2	0	025	92.17
S119V-60G	6	1	0	025	249.22

PVC - Soc x Soc

PVC Gray with EPDM O-ring

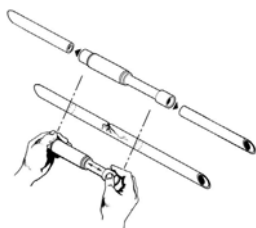


Can be used as short-stroke Expansion Joint

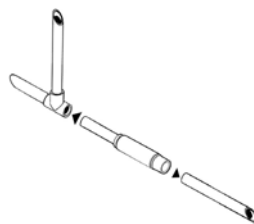
S119E-05G	1/2	28	0	025	6.14
S119E-07G	3/4	24	0	025	6.97
S119E-10G	1	20	0	025	8.07
S119E-12G	1-1/4	10	0	025	15.17
S119E-15G	1-1/2	16	0	025	16.52
S119E-20G	2	10	0	025	25.57
S119E-25G	2-1/2	5	0	025	37.51
S119E-30G	3	4	0	025	46.86
S119E-40G	4	2	0	025	82.04
S119E-60G	6	1	0	025	219.31

Versatile Repair Capability

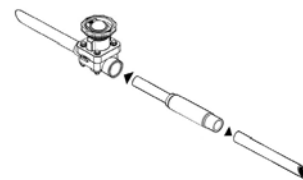
Spears® Repair Couplings provide a variety of system repair and alteration solutions. Use Socket x Socket configurations for quick pipe damage repair - can also be used as a short-stroke expansion joint to compensate for thermal expansion & contraction. Spigot x Socket configurations are excellent for lateral and riser add-ons, damaged fitting replacement, or for installing valves in existing piping systems. Order the wrong configuration? Simply cut coupling from Socket shaft end to function as a spigot or add a coupling to Spigot shaft end for Socket connections.



Pipe Damage Repair
Or Use as Expansion Joint



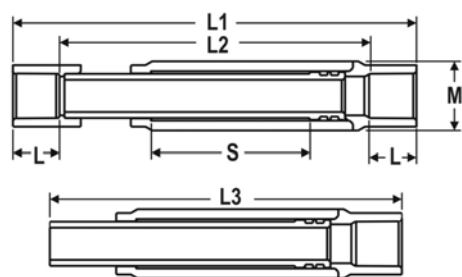
Lateral Add-on Or Fitting Replacement



Valve Retrofit Installation

Dimensions

Size	L	L1	L2	L3	S	M
1/2	7/8	7-5/8	5-7/8	6-3/4	3	1-7/16
3/4	1	9-3/8	7-3/8	8-1/4	4	1-3/4
1	1-1/8	10-1/8	7-7/8	8-7/8	4	2-1/16
1-1/4	1-1/4	10-7/8	8-3/8	9-5/8	4	2-7/16
1-1/2	1-3/8	11-3/8	8-5/8	9-7/8	4	2-11/16
2	1-1/2	12-1/4	9-1/4	10-5/8	4	3-3/16
2-1/2	1-3/4	15-7/8	12-3/8	13-7/8	6	3-15/16
3	1-7/8	16-1/8	12-3/8	14-1/8	6	4-9/16
4	2-1/4	17-3/4	13-1/4	15-1/4	6	5-11/16
6	3	22	16	18-3/4	6	8-3/8



INSTALLATION NOTE: For expansion joint applications, install with unit 1/2 extended. System must be supported and blocked against thrusts and movement under pressure. May be installed with flow in either direction.



Expansion Joints Short Repair Couplings

Space Saving, Compact Version of Standard Repair Coupling
Requires 1/3 less Space

(SH119) Socket x Socket



(SH118) Spigot x Socket

- Compact Telescoping Design
- Socket x Socket Configuration for Pipe Repair or Use as a Short-Stroke Expansion Joint
- Spigot x Socket Configuration for Replacing Damaged Fittings
- Both Configurations can be Easily Modified for Opposite Use
- Available in PVC White, Sizes 1/2" - 2"
- EPDM Double O-ring Seal
- Pressure Rated to 235 PSI @ 73°F (23°C)
- NSF® Certified for Potable Water Use

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC - Spig x Soc

PVC White with EPDM O-ring



SH118-05	1/2	36	0	025	5.28
SH118-07	3/4	30	0	025	6.00
SH118-10	1	35	0	025	6.93
SH118-12	1-1/4	25	0	025	13.05
SH118-15	1-1/2	32	0	025	14.21
SH118-20	2	15	0	025	21.98

PVC - Soc x Soc

PVC White with EPDM O-ring



SH119-05	1/2	40	0	025	5.28
SH119-07	3/4	30	0	025	6.00
SH119-10	1	30	0	025	6.93
SH119-12	1-1/4	20	0	025	13.05
SH119-15	1-1/2	21	0	025	14.21
SH119-20	2	12	0	025	21.98

Dimensions

Size	L1	L2	L3	L4	L5	S	M
1/2	5-7/8	4-5/16	4-15/16	7/8	3/4	2	1-7/16
3/4	6-9/16	4-3/4	5-7/16	1	13/16	2-1/4	1-3/4
1	6-13/16	4-3/4	5-9/16	1-1/8	15/16	2-3/16	2-1/16
1-1/4	7-15/16	5-11/16	6-5/8	1-1/4	1	2-1/2	2-7/16
1-1/2	8-1/4	5-13/16	6-3/4	1-3/8	1-1/8	2-13/16	2-11/16
2	10-1/16	7-3/8	8-5/16	1-1/2	1-3/16	3-1/8	3-1/4

INSTALLATION NOTE: For expansion joint applications, install with unit 1/2 extended. System must be supported and blocked against thrusts and movement under pressure. May be installed with flow in either direction.

DWV PVC DWV Drain Waste Vent Fittings



STANDARDS & SPECIFICATIONS

Standards provide greater assurance of product performance and consistency, and are available to assist design engineers in system specification. The most frequently referenced industry standards for plastic piping systems are ASTM Standard Specifications and Practices. Along with ASTM Standards, additional product specifications and certifications form the basis of product conformance to which Spears® products are manufactured.

ASTM D 2665	Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings.
ASTM D 3311	Drain, Waste, and Vent (DWV) Plastic Fittings Patterns.
ASTM F 1866	Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings.
ASTM D 1784	Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.



NSF® International Standard 14 (NSF®-dwv) Certified
NSF® International Certified to Uniform Plumbing Code (NSF®-U.P. Code)
See official listing

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
-------------	------	--------	---------	-----------	------------

P100 Coupling H x H



P100-015	1-1/2	100	7200	051	.84
P100-020	2	100	3600	051	1.12
P100-030	3	60	840	051	4.10
P100-040	4	25	450	051	7.09
P100-060	6	5	175	051	23.04
P100-080	8	8	64	051	56.44
P100-100	10	1	36	052	114.93
P100-120	12	1	18	052	195.74
P100-140	14	1	12	052	300.10

P101 Female Adapter FPT x H



P101-015	1-1/2	100	4800	051	1.67
P101-020	2	100	3500	051	2.82
P101-030	3	35	1260	051	7.60
P101-040	4	10	480	051	9.73
P101-060	6	10	180	051	32.70

P102 Pipe Increaser - Reducer H x H



P102-251	2X1-1/2	25	4200	051	2.47
P102-337	3X1-1/2	25	1200	051	7.85
P102-338	3X2	20	960	051	6.02
P102-420	4X2	10	720	051	11.95
P102-422	4X3	20	720	051	12.71
3729-528*	6X2	1	120	390	100.74
3729-530*	6X3	1	120	390	99.16
P102-532	6X4	4	144	051	46.97
P102-582	8X4	2	96	051	71.56
P102-585	8X6	2	96	051	63.05
3729-624*	10X4	1	22	390	201.24
P102-626	10X6	1	36	052	293.71
3729-626*	10X6	1	32	390	187.54
P102-628	10X8	1	36	052	196.02
3729-628*	10X8	1	24	390	131.26
3729-661*	12X2	1	12	390	487.70
3729-663*	12X3	1	8	390	484.47
3729-664*	12X4	1	12	390	378.38
3729-666*	12X6	1	12	390	286.90
P102-668	12X8	1	16	052	299.34
3729-670*	12X10	1	18	390	191.07
3729-691*	14X2	1	18	390	713.19
3729-694*	14X4	1	18	390	608.91
3729-696*	14X6	1	18	390	589.49
3729-698*	14X8	1	18	390	426.71
3729-700*	14X10	1	18	390	360.39
3729-702*	14X12	1	16	390	320.05

* Fabricated

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
-------------	------	--------	---------	-----------	------------

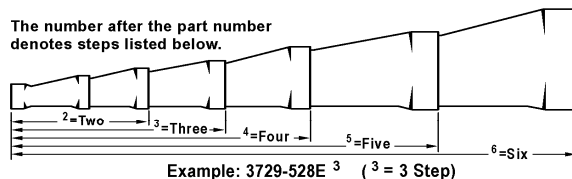
Pipe Increaser - Eccentric Reducer H x H



P102-338E	3X2	20	300	051	17.56
3729-528E ^{3*}	6X2	1	72	390	97.94
3729-530E ^{2*}	6X3	1	48	390	90.21
3729-532E ²	6X4	1	96	390	45.11
3729-580E ^{3*}	8X3	1	24	390	186.07
3729-582E ^{2*}	8X4	1	22	390	92.91
3729-585E [*]	8X6	1	32	390	75.11
3729-624E ^{2*}	10X4	1	12	390	212.45
3729-626E [*]	10X6	1	20	390	195.34
3729-628E [*]	10X8	1	24	390	184.17
3729-664E ^{3*}	12X4	1	8	390	396.38
3729-666E ^{2*}	12X6	1	12	390	325.70
3729-668E ^{2*}	12X8	1	12	390	215.98
3729-670E [*]	12X10	1	18	390	187.26

Eccentric Reducer Footnotes Multi-Step Configurations

The number after the part number denotes steps listed below.



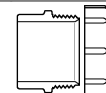
* Fabricated

P103 Trap Adapter - Male S x SLIP



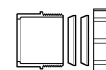
P103-015	1-1/2	50	5250	051	2.27
P103-020	2	25	4200	051	6.26

P103P Trap Adapter - Male S x SLIP w/Plastic Nut - Built-in Washer



P103P-212	1-1/2X1-1/4	75	5400	051	2.59
P103P-015	1-1/2	50	5250	051	2.41
P103P-020	2	25	4200	051	8.30

P103R Trap Adapter - Male with 1-1/2 Plastic Nut & Washer and 1-1/2 x1-1/4 Washer S x SLIP w/Plastic Nut



P103R-015	1-1/2	50	3600	051	2.49
-----------	-------	----	------	-----	------



DWV PVC DWV Drain Waste Vent Fittings

Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P103X Trap Adapter-Male S x SLIP w/Chrome Nut & Washer



P103X-212	1-1/2X1-1/4	100	7200	051	3.65
P103X-015	1-1/2	50	5250	051	3.27
P103X-020	2	25	4200	051	10.63

P104 Trap Adapter - Female H x SLIP



P104-015	1-1/2	50	8400	051	1.77
P104-020	2	50	3600	051	5.09

P104P Trap Adapter - Female H x SLIP w/Plastic Nut



P104P-212	1-1/2X1-1/4	50	5250	051	2.61
P104P-012	1-1/4	50	5250	051	3.33
P104P-015	1-1/2	50	5250	051	2.23

P104R Trap Adapter - Female w/1-1/2 Plastic Nut & Washer and 1-1/2x1-1/4 Washer H x SLIP w/Plastic Nut



P104R-015	1-1/2	50	3600	051	2.53
-----------	-------	----	------	-----	------

P104X Trap Adapter - Female H x SLIP w/Chrome Nut & Washer



P104X-212	1-1/2X1-1/4	50	3600	051	3.65
P104X-015	1-1/2	50	3600	051	3.27
P104X-020	2	50	3600	051	7.14

P000P HDPE Slip Joint Nut (Plastic Nut)



P000P-015	1-1/2	350	16800	051	.78
P000P-020	2	450	13500	051	1.24
P000P-169	1-1/4X1-1/2	300	14400	051	1.34

P105 Fitting Cleanout Adapter S x FPT



P105-015	1-1/2	50	5250	051	1.91
P105-020	2	50	3600	051	2.70
P105-030	3	25	1200	051	7.63
P105-040	4	10	720	051	12.53
P105-060	6	10	180	051	33.56
P105-080	8	8	112	051	99.34

P105H Female Cleanout Adapter H x FPT



P105H-040	4	10	720	051	9.73
P105H-060	6	10	180	051	32.70

P105X Fitting Cleanout Adapter w/C.O. Plug S x FPT



P105X-015	1-1/2	50	5250	051	2.87
P105X-020	2	50	3600	051	3.93
P105X-030	3	25	900	051	7.96
P105X-040	4	10	480	051	14.41
P105X-060	6	10	180	051	41.54
P105X-080	8	8	112	051	124.12
3978-100*	10	1	64	400	442.16

Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P105X Fitting Cleanout Adapter w/C.O. Plug (continued) S x FPT

3978-120*	12	1	32	400	617.33
3978-140*	14	1	16	400	765.54

* Fabricated - PVC Gray with HDPE Plug

P106 Cleanout Plug MPT



P106-015	1-1/2	50	12000	051	1.57
P106-020	2	50	8400	051	1.62
P106-025	2-1/2	50	5250	051	5.21
P106-030	3	25	2625	051	3.13
P106-040	4	30	2160	051	4.62
P106-060	6	10	1050	051	15.35
P106-080	8	12	576	051	80.00

P107 Flush Bushing S x H



¹Outlet-sized with Bushing

P107-251	2X1-1/2	50	8400	051	1.52
P107-337	3X1-1/2	30	2520	051	7.33
P107-338	3X2	30	2520	051	3.35
P107-420	4X2	30	1080	051	12.78
P107-422	4X3	30	1080	051	6.52
P107-532	6X4	10	300	051	33.80
P107-582	8X4	3	144	051	66.82
P107-585	8X6	4	120	051	73.55
P107-624 ¹	10X4	2	60	052	149.65
P107-626 ¹	10X6	2	60	052	217.67
P107-628	10X8	4	56	052	242.62
P107-666 ¹	12X6	2	42	052	325.63
P107-668 ¹	12X8	1	42	052	335.06
P107-670	12X10	2	60	052	342.00

¹ Bushed

P108 Flush Bushing (Cleanout Adapter) S x FPT



P108-628	10X8	4	56	052	465.61
P108-668	12X8	1	30	052	676.37

P108X Flush Bushing (Cleanout Adapter) w/Plug S x FPT



P108X-628	10X8	1	56	052	685.14
P108X-668	12X8	1	30	052	1002.48

P109 Male Adapter (Will not accept tail piece) MPT x H



P109-015	1-1/2	50	5250	051	1.72
P109-020	2	50	3600	051	2.23
P109-030	3	25	1200	051	6.43
P109-040	4	25	900	051	14.23
P109-060	6	7	245	051	42.85

P110 Flush C.O. Plug MPT



P110-015	1-1/2	25	9600	051	6.35
P110-020	2	25	9600	051	5.31
P110-025	2-1/2	50	5250	051	6.67
P110-030	3	50	5250	051	6.15

**DWV
PVC DWV Drain Waste Vent Fittings**



Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P110 Flush C.O. Plug (continued)

MPT

P110-040	4	25	2400	051	6.03
P110-060	6	10	960	051	15.21

**P116 Cap
SOC**



P116-015	1-1/2	20	7680	051	3.55
P116-020	2	15	5760	051	5.90
P116-030	3	10	1680	051	10.23
P116-040	4	5	840	051	14.62
P116-060	6	5	240	051	36.91
P116-080	8	3	90	051	110.59
3747-100*	10	1	108	390	111.14
3747-120*	12	1	70	390	140.35
3747-140*	14	1	44	390	238.65

Note: 8" Cap is Domed Style
* Fabricated

P117 Adapter Coupling (Adapts S&D Spigot to DWV Spigot)

H x H



P117-040	4	20	700	051	13.73
P117-422	4X3	20	600	051	10.45

P118 Adapter Bushing (Adapts DWV Hub to S&D Spigot)

DWV SPIGOT x HUB



P118-030	3	25	1800	051	5.05
P118-040	4	10	1050	051	5.46

**P119 No-Hub Adapter
S x H**



P119-015	1-1/2	25	4200	051	9.53
P119-020	2	25	2625	051	4.63
P119-030	3	20	960	051	6.69
P119-040	4	15	720	051	8.61
P119-251	2X1-1/2	35	3675	051	9.04
P119-422	4X3	10	720	051	11.00

**P122 Spigot Adapter, Cast Iron
H x H**



P122-040	4	15	210	051	17.86
----------	---	----	-----	-----	-------

**P123 Hub Adapter, Cast Iron
H x S**



P123-020	2	20	1440	051	7.50
P123-030	3	25	750	051	13.44
P123-040	4	10	350	051	23.50

P123R Hub Adapter, Cast Iron, Increaser (Plain End: Joint can be made with compression gasket or plastic lead & seal rope - Do Not use hot lead)



H x S

P123R-213	1-1/2X2	10	1680	051	8.59
P123R-342	3X4	10	350	051	15.85

**P130 Repair Coupling
H x H**



P130-015	1-1/2	25	6000	051	4.84
----------	-------	----	------	-----	------

Made in the U.S.A.

Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P130 Repair Coupling (continued)

H x H

P130-020	2	25	2625	051	3.38
P130-030	3	10	960	051	8.53
P130-040	4	5	480	051	16.41
P130-060	6	5	175	051	60.31
P130-080	8	8	64	051	73.56
P130-100	10	1	36	052	159.27

P131 Test Cap



P131-015	1-1/2	100	38400	051	1.28
P131-020	2	100	24000	051	1.22
P131-030	3	50	8400	051	1.57
P131-040	4	100	4800	051	1.97

**P300 1/4 Bend
H x H**



P300-015	1-1/2	100	3000	051	1.88
P300-020	2	50	1500	051	2.76
P300-030	3	25	350	051	8.57
P300-040	4	10	180	051	15.65
P300-060	6	4	56	051	57.51
P300-080	8	2	28	051	116.48
P300-100	10	1	12	052	311.38
P300-120	12	1	5	052	479.57

**P300S 1/4 Bend with Side Inlet
ALL HUB**



P300S-338	3X3X2	10	360	051	16.96
-----------	-------	----	-----	-----	-------

**P302 1/4 Bend, Street
S x H**



P302-015	1-1/2	100	3000	051	2.30
P302-020	2	50	1500	051	3.55
P302-030	3	20	360	051	8.81
P302-040	4	10	180	051	17.33
P302-060	6	4	56	051	80.11
P302-080	8	2	28	051	159.72
P302-100	10	1	12	052	310.05
P302-120	12	1	7	052	477.80

**P303 1/4 Bend w/Low Heel Inlet
H x H x H**



P303-338	3X3X2	25	200	051	14.97
P303-420	4X4X2	6	180	051	29.54

**P304 Long Sweep 1/4 Bend
H x H**



P304-015	1-1/2	50	1750	051	4.30
P304-020	2	25	875	051	4.64
P304-030	3	10	300	051	10.67
P304-040	4	5	150	051	20.35
P304-060 ¹	6	5	35	051	78.34

¹ 6" size assembled from 2-Molded 1/8 Bends

**P309 Long Sweep 1/4 Bend, Street
H x S**



P309-015	1-1/2	50	1750	051	5.68
----------	-------	----	------	-----	------



DWV PVC DWV Drain Waste Vent Fittings

Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

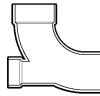
P309 Long Sweep 1/4 Bend, Street (continued)

H x S

P309-020	2	25	900	051	7.22
P309-030	3	20	280	051	19.85
P309-040	4	5	150	051	30.57
P309-060	6	5	35	051	141.31

P310 1/4 Bend, Street w/Low Heel Inlet

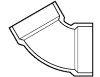
H x S x H



P310-338	3X3X2	15	270	051	26.80
----------	-------	----	-----	-----	-------

P319 1/6 Bend

H x H



P319-015	1-1/2	40	2880	051	3.37
P319-020	2	25	1200	051	4.49
P319-030	3	20	600	051	15.97
P319-040	4	10	180	051	22.70
3724-060*	6	1	32	390	121.24
3724-080*	8	1	16	390	172.98
3724-100*	10	1	16	390	289.87
3724-120*	12	1	6	390	379.79
3724-140*	14	1	4	390	696.16

* Fabricated

P320 1/6 Bend, Street

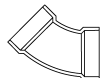
H x S



P320-015	1-1/2	40	2880	051	6.74
P320-020	2	25	1800	051	9.12
P320-030	3	20	360	051	21.37
P320-040	4	10	300	051	28.56

P321 1/8 Bend

H x H



P321-015	1-1/2	100	3000	051	1.72
P321-020	2	50	1500	051	2.65
P321-030	3	25	450	051	7.26
P321-040	4	15	270	051	12.47
P321-060	6	5	90	051	52.64
P321-080	8	1	36	051	104.62
P321-100	10	1	21	052	261.29
P321-120	12	1	12	052	359.54
3717-140*	14	1	6	390	486.55

* Fabricated

P323 1/8 Bend, Street

H x S



P323-015	1-1/2	100	3600	051	1.74
P323-020	2	50	1800	051	2.67
P323-030	3	25	450	051	6.97
P323-040	4	10	300	051	11.29
P323-060	6	5	90	051	64.47
P323-080	8	1	36	051	113.55
3727-100*	10	1	22	390	199.80
3727-120*	12	1	10	390	280.61
3727-140*	14	1	12	390	486.55

* Fabricated

P324 1/16 Bend

H x H



P324-015	1-1/2	50	3600	051	2.47
----------	-------	----	------	-----	------

Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

P324 1/16 Bend (continued)

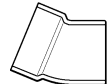
H x H

P324-020	2	25	1800	051	3.05
P324-030	3	20	720	051	7.83
P324-040	4	15	270	051	11.95
P324-060	6	3	105	051	71.87
P324-080	8	2	36	051	85.57
3716-100*	10	1	30	390	160.11
3716-120*	12	1	12	390	253.29
3716-140*	14	1	6	390	398.21

* Fabricated

P326 1/16 Bend, Street

H x S

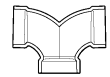


P326-015	1-1/2	50	3600	051	6.97
P326-020	2	25	1800	051	7.46
P326-030	3	20	720	051	11.74
P326-040	4	10	350	051	17.10
P326-060	6	5	90	051	69.61
P326-080	8	2	36	051	95.82
3742-100*	10	1	30	390	176.11
3742-120*	12	1	12	390	278.61
3742-140*	14	1	6	390	438.02

* Fabricated

P327 Double 1/4 Bend

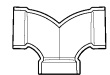
H x H x H



P327-015	1-1/2	20	1440	051	6.14
P327-020	2	25	875	051	8.59
P327-030	3	15	270	051	26.28
P327-040	4	6	108	051	36.27

P327 Double 1/4 Bend, Reducing

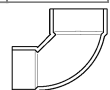
H x H x H



P327-241	2X1-1/2X1-1/2	25	1200	051	8.18
----------	---------------	----	------	-----	------

P329 Closet Bend, Reducing

H x H



P329-342	3X4	10	300	051	13.45
----------	-----	----	-----	-----	-------

P330 Closet Bend, Reducing

H x S



P330-342	3X4	10	300	051	18.20
----------	-----	----	-----	-----	-------

P330X Closet Bend, Reducing with TEST CAP

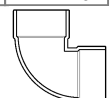
H x S



P330X-342	3X4	10	300	051	24.97
-----------	-----	----	-----	-----	-------

P331 Vent Ell

H x H



P331-015	1-1/2	25	1800	051	3.59
P331-020	2	30	1440	051	5.01
P331-030	3	25	450	051	12.61
P331-040	4	10	180	051	31.71
P331-060	6	5	40	051	99.95
P331-080	8	2	28	051	104.16
P331-100	10	1	16	052	295.78
P331-120	12	1	12	052	455.63
3706-140*	14	1	2	390	494.47

**DWV
PVC DWV Drain Waste Vent Fittings**



Part Number	Size	Std Pk	Plitt Qty	Disc Code	Price Each
-------------	------	-----------	--------------	--------------	---------------

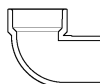
P331 Vent Ell (continued)

H x H

* Fabricated

P333 Vent Ell, Street

H x S

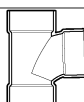


P333-015	1-1/2	25	2400	051	3.05
P333-020	2	20	1440	051	5.22
P333-030	3	25	450	051	13.71
P333-040	4	10	180	051	47.57
3709-060'	6	1	32	390	116.02
3709-080'	8	1	16	390	159.60
3709-100'	10	1	10	390	266.68
3709-120'	12	1	5	390	388.65
3709-140'	14	1	2	390	537.45

* Fabricated

P400 Sanitary Tee

ALL HUB



P400-015	1-1/2	60	1800	051	3.23
P400-020	2	35	630	051	4.77
P400-030	3	30	240	051	12.21
P400-040	4	5	150	051	21.26
P400-060	6	6	42	051	92.81
P400-080	8	2	16	051	277.82
P400-100	10	1	7	052	727.96
P400-120	12	1	8	052	1014.83
3790-140'	14	1	2	390	1334.01

* Fabricated

P401 Sanitary Tee, Reducing

ALL HUB



P401-241	2X1-1/2X1-1/2	25	875	051	4.18
P401-251	2X2X1-1/2	50	900	051	4.21
P401-257	2X1-1/2X2	25	875	051	5.06
P401-337	3X3X1-1/2	10	350	051	7.74
P401-338	3X3X2	10	350	051	9.12
P401-420	4X4X2	10	300	051	19.89
P401-422	4X4X3	10	180	051	27.02
3790-528'	6X2	1	32	390	99.06
3790-530'	6X3	1	32	390	108.76
P401-532	6X4	4	72	051	89.78
3790-578'	8X2	1	16	390	151.35
3790-580'	8X3	1	16	390	200.00
3790-582'	8X4	1	16	390	189.79
3790-585'	8X6	1	8	390	227.35
3790-621'	10X2	1	8	390	232.27
3790-623'	10X3	1	8	390	236.20
3790-624'	10X4	1	8	390	253.07
3790-626'	10X6	1	8	390	325.70
3790-628'	10X8	1	6	390	398.79
3790-661'	12X2	1	6	390	389.76
3790-663'	12X3	1	6	390	394.20
3790-664'	12X4	1	4	390	405.73
3790-666'	12X6	1	4	390	442.38
3790-668'	12X8	1	6	390	492.54
3790-670'	12X10	1	6	390	620.43
3790-691'	14X2	1	4	390	528.55
3790-693'	14X3	1	4	390	573.52
3790-694'	14X4	1	4	390	579.13
3790-696'	14X6	1	4	390	690.67
3790-698'	14X8	1	4	390	787.78
3790-700'	14X10	1	4	390	946.27
3790-702'	14X12	1	3	390	1115.56

Made in the U.S.A.

Part Number	Size	Std Pk	Plitt Qty	Disc Code	Price Each
-------------	------	-----------	--------------	--------------	---------------

P401 Sanitary Tee, Reducing (continued)

ALL HUB

* Fabricated

P403 Sanitary Tee, Street

S x H x H



P403-015	1-1/2	20	1440	051	8.73
P403-020	2	25	750	051	9.52
P403-030	3	30	210	051	15.84
P403-040	4	10	140	051	41.35
P403-060	6	4	32	051	84.12
P403-080	8	2	16	051	287.83
P403-100	10	1	10	052	806.54
P403-120	12	1	8	052	1208.03

P404 Sanitary Tee, Street, Reducing

S x H x H



P404-241	2X1-1/2X1-1/2	50	1500	051	7.95
P404-251	2X2X1-1/2	50	700	051	7.45
P404-257	2X1-1/2X2	50	900	051	7.20
P404-337	3X3X1-1/2	10	350	051	16.56
P404-338	3X3X2	10	350	051	15.64
P404-420	4X4X2	5	240	051	24.97
P404-422	4X4X3	5	150	051	27.98

P416 Sanitary Tee with Left Side Inlet

ALL HUB



P416-337	3X3X3X1-1/2	10	180	051	23.64
P416-338	3X3X3X2	10	180	051	22.77
P416-420	4X4X4X2	4	120	051	40.71

P417 Sanitary Tee with Right Side Inlet

ALL HUB



P417-337	3X3X3X1-1/2	10	180	051	23.64
P417-338	3X3X3X2	10	180	051	22.77
P417-420	4X4X4X2	10	80	051	129.14

P418 Sanitary Tee with R&L Side Inlets

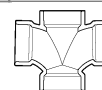
ALL HUB



P418-337	3X3X3X1-1/2	5	175	051	31.09
P418-338	3X3X3X2X2	5	90	051	30.12
P418-420	4X4X4X2X2	5	90	051	96.61

P428 Double Sanitary Tee

ALL HUB

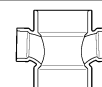


P428-015	1-1/2	25	1200	051	6.63
P428-020	2	25	750	051	9.72
P428-030	3	8	240	051	27.19
P428-040	4	6	108	051	43.72
3791-060'	6	1	6	390	200.39
3791-080'	8	1	5	390	319.55
3791-100'	10	1	3	390	570.72
3791-120'	12	1	6	390	828.51
3791-140'	14	1	2	390	1435.01

* Fabricated

P429 Double Sanitary Tee, Reducing

ALL HUB



P429-251	2X2X1-1/2X1-1/2	25	900	051	7.33
----------	-----------------	----	-----	-----	------



DWV PVC DWV Drain Waste Vent Fittings

Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

P429 Double Sanitary Tee, Reducing (continued)

ALL HUB

P429-337	3X3X1-1/2X1-1/2	6	432	051	15.61
P429-338	3X3X2X2	10	300	051	16.41
P429-419	4X4X1-1/2X1-1/2	7	245	051	57.83
P429-420	4X4X2X2	7	245	051	36.17
P429-422	4X4X3X3	8	144	051	37.11
3791-528*	6X2	1	16	390	143.50
3791-530*	6X3	1	16	390	150.34
3791-532*	6X4	1	8	390	156.09
3791-578*	8X2	1	16	390	175.20
3791-580*	8X3	1	16	390	218.32
3791-582*	8X4	1	4	390	222.39
3791-585*	8X6	1	4	390	252.02
3791-621*	10X2	1	8	390	260.64
3791-623*	10X3	1	6	390	272.97
3791-624*	10X4	1	4	390	279.01
3791-626*	10X6	1	6	390	351.03
3791-628*	10X8	1	4	390	436.76
3791-661*	12X2	1	6	390	422.35
3791-663*	12X3	1	6	390	431.29
3791-664*	12X4	1	4	390	440.99
3791-666*	12X6	1	4	390	490.03
3791-668*	12X8	1	4	390	549.78
3791-670*	12X10	1	6	390	684.02
3791-691*	14X2	1	4	390	575.90
3791-693*	14X3	1	4	390	649.87
3791-694*	14X4	1	4	390	687.33
3791-696*	14X6	1	4	390	782.05
3791-698*	14X8	1	4	390	860.39
3791-700*	14X10	1	4	390	1018.26
3791-702*	14X12	1	3	390	1201.56

* Fabricated

P439 Double Sanitary Tee with R&L Side Inlets

ALL HUB

P439-338	3X3X3X3X2X2	4	120	051	34.70
P439-420	4X4X4X4X2X2	4	72	051	48.35

P441 Vent Tee

ALL HUB

P441-015	1-1/2	25	1800	051	8.35
P441-020	2	25	900	051	7.09
P441-030	3	10	300	051	22.04
P441-040	4	5	175	051	29.19
P441-060	6	4	32	051	79.26
P441-080	8	2	28	051	204.09
P441-100	10	1	12	052	380.45
P441-120	12	1	10	052	632.46
3701-140*	14	1	4	390	916.36

* Fabricated

P442 Vent Tee, Reducing

ALL HUB

P442-251	2X1-1/2	25	1200	051	8.55
3701-528*	6X2	1	40	390	95.67
3701-530*	6X3	1	24	390	100.49
P442-532	6X4	2	72	051	57.34
3701-578*	8X2	1	24	390	112.49
3701-580*	8X3	1	24	390	117.96
P442-582	8X4	2	36	051	63.06
P442-585	8X6	2	28	051	81.49
3701-621*	10X2	1	16	390	183.12
3701-623*	10X3	1	12	390	186.51

Page 520

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

P442 Vent Tee, Reducing (continued)

ALL HUB

P442-624	10X4	1	12	052	242.91
P442-626	10X6	1	14	052	298.89
P442-628	10X8	1	12	052	337.17
3701-661*	12X2	1	12	390	244.48
3701-663*	12X3	1	8	390	248.09
P442-664	12X4	1	10	052	328.41
P442-666	12X6	1	10	052	375.01
P442-668	12X8	1	10	052	431.31
P442-670	12X10	1	10	052	514.65
3701-691*	14X2	1	12	390	387.72
3701-693*	14X3	1	8	390	429.13
3701-694*	14X4	1	12	390	478.43
3701-696*	14X6	1	6	390	561.48
3701-698*	14X8	1	6	390	669.44
3701-700*	14X10	1	6	390	760.96
3701-702*	14X12	1	4	390	900.20

* Fabricated

3701 Test Tee

SOC x FPT with Plug

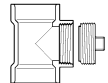


3701-060TEST*	6	1	48	390	390.56
3701-080TEST*	8	1	22	390	432.88
3701-100TEST*	10	1	11	390	636.22
3701-120TEST*	12	1	8	390	1083.50

* Fabricated

P444X Cleanout Tee w/C.O. Plug

H x H



P444X-015	1-1/2	20	1440	051	8.19
P444X-020	2	10	720	051	9.46
P444X-030	3	10	350	051	18.07
P444X-040	4	10	180	051	28.43
P444X-060	6	2	70	051	144.32

P445 Flush C.O. Tee

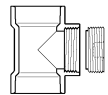
H x H x FPT



P445-015	1-1/2	20	2100	051	5.87
P445-020	2	25	1200	051	7.22
P445-030	3	10	360	051	14.41
P445-040	4	10	180	051	26.81
P445-060	6	3	54	051	90.04

P445X Flush C.O. Tee w/C.O. Plug

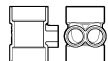
H x H



P445X-015	1-1/2	20	1440	051	7.67
P445X-020	2	10	1050	051	11.23
P445X-030	3	10	300	051	21.16
P445X-040	4	10	180	051	28.98
P445X-060	6	2	36	051	144.32

P447 Horizontal Twin Tee

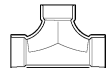
ALL HUB



P447-337	3X3X1-1/2X1-1/2	5	360	051	42.76
----------	-----------------	---	-----	-----	-------

P448 2-WAY Cleanout

ALL HUB



P448-030	3	12	216	051	29.13
P448-040	4	5	90	051	37.71

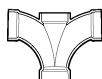
Spears® Manufacturing Company

**DWV
PVC DWV Drain Waste Vent Fittings**



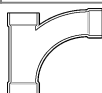
Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

**P500 Double Fixture Fitting
ALL HUB**



P500-020	2X2X2X2	10	360	051	16.53
P500-030	3X3X3X3	10	80	051	35.73
P500-241	2X1-1/2X1-1/2X1-1/2	20	600	051	18.20
P500-251	2X2X1-1/2X1-1/2	20	600	051	19.02
P500-338	3X2X3X3	10	80	051	35.38

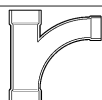
**P501 Combination Wye and 1/8 Bend (One Piece)
ALL HUB**



P501-015	1-1/2	50	900	051	7.03
P501-020	2	20	600	051	8.37
P501-030	3	10	180	051	20.31
P501-040	4	8	96	051	36.12
3777-060'	6	1	20	390	187.79
3777-080'	8	1	8	390	299.47
3777-100'	10	1	8	390	534.88
3777-120'	12	1	3	390	776.48
3777-140'	14	1	2	390	1344.96

* Fabricated

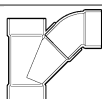
**P502 Combination Wye and 1/8 Bend, Reducing (One Piece)
ALL HUB**



P502-251	2X2X1-1/2	20	700	051	10.11
P502-337	3X3X1-1/2	15	450	051	17.52
P502-338	3X3X2	10	180	051	13.43
P502-420	4X4X2	5	150	051	22.40
P502-422	4X4X3	5	90	051	27.29
3777-528'	6X2	1	32	390	136.86
3777-532'	6X4	1	22	390	146.30
3777-578'	8X2	1	16	390	164.21
3777-580'	8X3	1	8	390	204.62
3777-621'	10X2	1	16	390	244.27
3777-623'	10X3	1	8	390	255.84
3777-624'	10X4	1	8	390	261.50
3777-626'	10X6	1	4	390	328.98
3777-628'	10X8	1	8	390	409.35
3777-661'	12X2	1	4	390	395.85
3777-663'	12X3	1	4	390	404.21
3777-664'	12X4	1	6	390	413.31
3777-666'	12X6	1	12	390	459.26
3777-668'	12X8	1	6	390	515.24
3777-670'	12X10	1	6	390	641.06
3777-691'	14X2	1	4	390	595.62
3777-693'	14X3	1	4	390	609.07
3777-694'	14X4	1	4	390	644.16
3777-696'	14X6	1	4	390	732.94
3777-698'	14X8	1	4	390	806.37
3777-700'	14X10	1	4	390	954.32
3777-702'	14X12	1	4	390	1126.11

* Fabricated

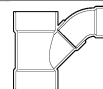
**P503 Combination Wye and 1/8 Bend (Two Piece)
ALL HUB**



P503-030	3	10	180	051	22.78
P503-040	4	5	40	051	53.22
P503-060	6	4	28	051	165.15
P503-080	8	1	4	051	306.91
P503-100	10	1	4	052	1001.46
P503-120	12	0	0	052	1165.94

Part Number	Size	Std Pk	Pltt Qty	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

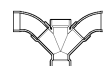
**P504 Combination Wye and 1/8 Bend, Reducing (Two Piece)
ALL HUB**



P504-422	4X3	5	90	051	41.06
P504-530	6X3	5	40	051	166.16
P504-532	6X4	5	35	051	153.56
P504-580	8X3	2	16	051	167.94
P504-582'	8X4	2	16	051	186.03
P504-585	8X6	1	8	051	331.59
P504-623'	10X3	1	12	052	332.26
P504-624'	10X4	1	8	052	351.81
P504-626	10X6	1	8	052	442.41
P504-628	10X8	1	8	052	550.71
P504-664	12X4	1	4	052	547.13
P504-666	12X6	1	4	052	568.34
P504-668	12X8	1	6	052	692.98
P504-670'	12X10	1	6	052	1026.81

* Bushed

**P507 Double Combination Wye and 1/8 Bend
ALL HUB**



P507-015	1-1/2	10	350	051	19.34
P507-020	2	10	300	051	29.04
P507-030	3	10	80	051	56.32
P507-040	4	5	35	051	112.34
P507-251	2X2X1-1/2X1-1/2	20	360	051	25.70
P507-338	3X3X2X2	10	80	051	47.74
P507-420	4X4X2X2	5	70	051	91.03
P507-422	4X4X3X3	5	40	051	89.66
3792-060'	6	1	6	390	206.57
3792-080'	8	1	5	390	329.44
3792-100'	10	1	1	390	588.36
3792-120'	12	1	0	390	854.14
3792-140'	14	1	2	390	1479.39
3792-528'	6X2	1	24	390	147.94
3792-530'	6X3	1	24	390	155.01
3792-532'	6X4	1	8	390	160.94
3792-578'	8X2	1	16	390	180.64
3792-580'	8X3	1	8	390	225.07
3792-582'	8X4	1	4	390	229.28
3792-585'	8X6	1	5	390	259.81
3792-621'	10X2	1	16	390	268.68
3792-623'	10X3	1	8	390	281.41
3792-624'	10X4	1	4	390	287.64
3792-626'	10X6	1	4	390	361.88
3792-628'	10X8	1	4	390	450.29
3792-661'	12X2	1	4	390	435.41
3792-663'	12X3	1	6	390	444.63
3792-664'	12X4	1	12	390	454.63
3792-666'	12X6	1	6	390	505.19
3792-668'	12X8	1	6	390	566.78
3792-670'	12X10	1	3	390	705.18
3792-691'	14X2	1	4	390	593.71
3792-693'	14X3	1	4	390	669.99
3792-694'	14X4	1	4	390	708.57
3792-696'	14X6	1	4	390	806.23
3792-698'	14X8	1	4	390	887.02
3792-700'	14X10	1	4	390	1049.77
3792-702'	14X12	1	4	390	1238.71

* Fabricated

**P515 Combination Wye and 1/8 Bend with Left Side Inlet
ALL HUB**



P515-338	3X3X3X2	10	140	051	41.74
----------	---------	----	-----	-----	-------

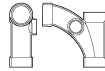


DWV PVC DWV Drain Waste Vent Fittings

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
-------------	------	--------	---------	-----------	------------

P516 Combination Wye and 1/8 Bend with Right Side Inlet

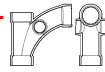
ALL HUB



P516-338	3X3X3X2	10	140	051	41.74
----------	---------	----	-----	-----	-------

P517 Combination Wye and 1/8 Bend with R&L Side Inlets

ALL HUB



P517-338	3X3X3X2	10	80	051	46.87
----------	---------	----	----	-----	-------

P600 Wye

ALL HUB



P600-015	1-1/2	50	700	051	4.95
P600-020	2	25	750	051	5.80
P600-030	3	25	175	051	14.97
P600-040	4	8	144	051	27.72
P600-060	6	4	48	051	85.83
P600-080	8	1	12	051	199.95
P600-100	10	1	6	052	471.15
P600-120	12	1	4	052	765.37
3775-140*	14	1	4	390	1130.21

* Fabricated

P601 Wye, Reducing

ALL HUB



P601-241	2X1-1/2X1-1/2	25	875	051	8.19
P601-251	2X2X1-1/2	25	875	051	7.14
P601-257	2X1-1/2X2	10	480	051	11.21
P601-337	3X3X1-1/2	15	450	051	10.00
P601-338	3X3X2	12	360	051	11.31
P601-419	4X4X1-1/2	10	180	051	30.64
P601-420	4X4X2	10	180	051	15.48
P601-422	4X4X3	10	140	051	22.04
P601-528	6X6X2	5	40	051	86.40
P601-530	6X6X3	6	48	051	83.39
P601-532	6X6X4	5	40	051	63.09
P601-578	8X8X2	3	24	051	168.90
3775-580*	8X3	1	24	390	135.12
P601-582	8X8X4	2	28	051	155.29
P601-585	8X8X6	1	14	051	150.96
3775-621*	10X2	1	11	390	232.78
3775-623*	10X3	1	11	390	243.81
P601-624	10X10X4	1	12	052	268.38
P601-626	10X10X6	1	12	052	348.13
3775-626*	10X6	1	11	390	302.10
P601-628	10X10X8	1	10	052	411.96
3775-661*	12X2	1	6	390	276.96
3775-663*	12X3	1	6	390	287.62
3775-664*	12X4	1	6	390	297.46
P601-664	12X12X4	1	6	052	415.66
P601-666	12X12X6	1	6	052	453.84
3775-666*	12X6	1	6	390	354.46
P601-668	12X12X8	1	6	052	538.98
3775-668*	12X8	1	8	390	393.84
P601-670	12X12X10	1	6	052	603.57
3775-691*	14X2	1	4	390	562.29
3775-693*	14X3	1	4	390	589.71
3775-694*	14X4	1	4	390	599.59
3775-696*	14X6	1	4	390	647.17
3775-698*	14X8	1	4	390	740.59
3775-700*	14X10	1	4	390	791.64
3775-702*	14X12	1	4	390	1012.16
3775-756*	16X6	1	4	390	760.46
3775-786*	18X6	1	2	390	1151.20

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
-------------	------	--------	---------	-----------	------------

P601 Wye, Reducing (continued)

ALL HUB

3775-816*	20X6	1	3	390	1317.66
3775-906*	24X6	1	2	390	1805.89

* Fabricated

P602 Wye, Street

S x H x H



P602-015	1-1/2	50	1500	051	7.85
P602-020	2	30	540	051	9.33
P602-030	3	10	180	051	19.87
P602-040	4	10	80	051	39.37

P603 Wye, Street, Reducing

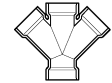
S x H x H



P603-251	2X2X1-1/2	25	875	051	10.70
P603-420	4X4X2	10	180	051	43.41
P603-422	4X4X3	10	80	051	36.86

P611 Double Wye

ALL HUB

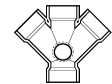


P611-015	1-1/2	40	720	051	11.20
P611-020	2	20	600	051	12.06
P611-030	3	15	120	051	31.09
P611-040	4	5	70	051	63.04
P611-060	6	2	16	051	123.91
3776-080*	8	1	5	390	284.68
3776-100*	10	1	6	390	417.54
3776-120*	12	1	3	390	681.69
3776-140*	14	1	3	390	1209.11

* Fabricated

P611S Double Wye, with 2" Side Inlet

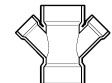
ALL HUB



P611S-030	3	10	140	051	122.14
-----------	---	----	-----	-----	--------

P612 Double Wye, Reducing

ALL HUB



P612-251	2X2X1-1/2X1-1/2	10	720	051	11.01
P612-337	3X3X1-1/2X1-1/2	10	300	051	21.98
P612-338	3X3X2X2	15	210	051	23.16
P612-420	4X4X2X2	5	150	051	37.81
P612-422	4X4X3X3	5	90	051	49.93
3776-528*	6X2	1	24	390	108.46
3776-530*	6X3	1	16	390	112.27
P612-532	6X6X4X4	5	35	051	126.10
3776-578*	8X2	1	16	390	155.00
3776-580*	8X3	1	8	390	165.60
3776-582*	8X4	1	8	390	172.62
3776-585*	8X6	1	4	390	217.97
3776-621*	10X2	1	4	390	220.64
3776-623*	10X3	1	4	390	230.53
3776-624*	10X4	1	8	390	242.07
3776-626*	10X6	1	4	390	299.47
3776-628*	10X8	1	4	390	362.61
3776-661*	12X2	1	4	390	298.66
3776-663*	12X3	1	4	390	308.48
3776-664*	12X4	1	4	390	315.39
3776-666*	12X6	1	4	390	375.43
3776-668*	12X8	1	4	390	479.21
3776-670*	12X10	1	3	390	613.50

**DWV
PVC DWV Drain Waste Vent Fittings**



Part Number	Size	Std Pk	Plitt Qty	Disc Code	Price Each
-------------	------	-----------	--------------	--------------	---------------

P612 Double Wye, Reducing (continued)

ALL HUB

3776-691*	14X2	1	3	390	576.19
3776-693*	14X3	1	3	390	603.09
3776-694*	14X4	1	3	390	628.44
3776-696*	14X6	1	3	390	699.63
3776-698*	14X8	1	3	390	810.77
3776-700*	14X10	1	3	390	856.82
3776-702*	14X12	1	3	390	1109.67
3776-756*	16X6	1	3	390	847.78
3776-786*	18X6	1	4	390	1243.22
3776-816*	20X6	1	1	390	1459.83
3776-906*	24X6	1	1	390	1976.95

* Fabricated

P335 Trap Elbow (for use with Traps only)

H x S



P335-030	3	30	540	051	13.71
P335-040	4	25	200	051	43.95

P700 Return Bend

H x H



P700-015	1-1/2	20	1440	051	4.96
P700-020	2	35	630	051	9.52
P700-030	3	8	240	051	26.46
P700-040	4	6	108	051	52.27
P700-060	6	2	28	051	115.19
P700-080	8	1	7	051	158.76

P704P Tail Piece Adapter

S x SLIP w/Plastic Nut - Built-in Washer



P704P-015	1-1/2	25	4200	051	3.37
-----------	-------	----	------	-----	------

P704X Tail Piece Adapter

S x SLIP w/Chrome Nut & Washer



P704X-015	1-1/2	25	4200	051	4.78
-----------	-------	----	------	-----	------

P706X P-Trap

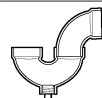
H x H



P706X-015	1-1/2	25	875	051	6.21
P706X-020	2	20	360	051	8.17
P706X-030	3	10	80	051	28.40
P706X-040	4	4	72	051	64.76
P706X-060	6	2	14	051	199.31
P706X-080	8	1	7	051	387.81
P706X-100	10	1	1	052	978.72
P706X-120	12	1	1	052	1334.12

P707X P-Trap w/Cleanout

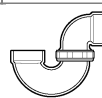
H x H



P707X-015	1-1/2	10	720	051	10.26
-----------	-------	----	-----	-----	-------

P708P Adjustable P-Trap w/Plastic Nut

H x H

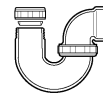


P708P-015	1-1/2	25	875	051	7.95
P708P-020	2	25	450	051	17.27

Part Number	Size	Std Pk	Plitt Qty	Disc Code	Price Each
-------------	------	-----------	--------------	--------------	---------------

P711P L.A. Pattern P-Trap w/Plastic Nut

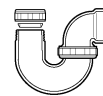
SLIP x H w/Plastic Nut & Washer



P711P-169	1-1/4X1-1/2	25	750	051	13.54
P711P-015	1-1/2	25	750	051	13.54

P711X L.A. Pattern P-Trap w/Chrome Nut

SLIP x H w/Chrome Nut & Washer



P711X-015	1-1/2	25	900	051	15.83
-----------	-------	----	-----	-----	-------

P800 Closet Flange

H



P800-422	4X3	25	750	051	7.29
P800-040	4X4	30	540	051	8.29

P800G Closet Flange w/Gussets

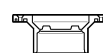
H



P800G-040	4	30	540	051	35.97
-----------	---	----	-----	-----	-------

P800KO Closet Flange with Knockout

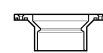
H



P800KO-422	4X3	25	750	051	8.48
------------	-----	----	-----	-----	------

P800S Closet Flange with Stop

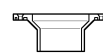
H



P800S-422	4X3	16	560	051	7.29
-----------	-----	----	-----	-----	------

P801 Closet Flange, Reducing

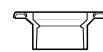
SPIGOT



P801-422	4X3	25	750	051	8.86
----------	-----	----	-----	-----	------

P811 Closet Flange w/Adjustable Metal Ring

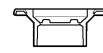
H



P811-040	4	30	540	051	20.19
P811-422	4X3	30	540	051	14.27

P811KO Closet Flange w/Adjustable Metal Ring and Knockout

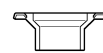
H



P811KO-422	4X3	25	350	051	20.31
------------	-----	----	-----	-----	-------

P812 Closet Flange w/Adjustable Metal Ring

SPIGOT



P812-040	4	25	450	051	22.02
P812-422	4X3	25	450	051	19.12

P813 Flush Closet Flange w/Adjustable Metal Ring

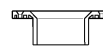
Fits Over 3" Pipe or Inside 4" Pipe



P813-422	4X3	25	750	051	19.12
----------	-----	----	-----	-----	-------

P815 Flush Closet Flange

Fits Over 3" Pipe or Inside 4" Pipe



P815-040	4X4 / 4X3	25	750	051	14.02
----------	-----------	----	-----	-----	-------

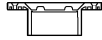


DWV PVC DWV Drain Waste Vent Fittings

Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

P815KO Flush Closet Flange with Knockout

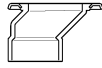
Fits Over 3" Pipe or Inside 4" Pipe



P815KO-040	4X4 / 4X3	25	750	051	13.57
------------	------------------	----	-----	-----	-------

P820 Offset Closet Flange w/Adjustable Metal Ring

(1-1/2" Offset) H



P820-422	4X3	15	450	051	25.21
----------	------------	----	-----	-----	-------

Uniform Plumbing Code does not accept offset closet flanges

S119 Expansion Joint

Soc x Soc - PVC White with EPDM O-ring



S119-15	1-1/2	16	768	025	14.21
S119-20	2	10	480	025	21.98
S119-25	2-1/2	5	225	025	31.89
S119-30	3	4	144	025	39.84
S119-40	4	2	70	025	69.73
S119-60	6	1	36	025	170.62

826 Large Diameter Expansion Joint

Soc x Soc - PVC Gray with EPDM O-ring



826-080X6	8	1	12	085	1284.60
826-100X6	10	1	12	085	1508.49
826-120X6	12	1	4	085	2672.86
826-140X6	14	1	4	085	3053.13

DWV Sewer Disconnect



Sewer Disconnect Application

Requires Purchase of SDC-040 Body and SDCP-040 Plunger, Sold Separately.



Screw-down Plunger installs in Body to provide temporary shut-off of Sewer line or to minimize sewage backup from sewer mains during flooding. Body accepts SDR-35 Sewer Pipe (or any ASTM D 3034 /D 2729 pipe), but can easily adapt to Schedule 40 drainage pipe using 4" IPS socket x Sewer spigot adapters, Spears® part no. 3729-04013IXS.

Standpipe to grade can be easily fabricated from user-supplied SDR-35 Sewer Pipe or optionally from Schedule 40 drainage pipe with the addition of a 4" Schedule 40 DWV socket Coupling, Spears® part no. P100-040. For Closure, a 4" Sewer Cap, Spears® part no. 4047-040; or 4" Schedule 40 DWV Cap, Spears® part no. P116-040 can be used as applicable.

A T-handle extension for easy Plunger operation can also be fabricated from user supplied 1" Schedule 40 pipe and a Tee fitting, Spears® part no. 401-010. See installation instructions included with product for additional detail.

Sewer Disconnect Body

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
-------------	------	--------	---------	-----------	------------

Sewer Socket X Sewer Socket. Requires Separate Purchase of SDCP-040 Plunger

Requires Purchase of SDCP-040 Plunger

SDC-040	4	6	108	055	69.03
---------	---	---	-----	-----	-------

Sewer Disconnect Plunger

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
-------------	------	--------	---------	-----------	------------

For Use With Sewer Disconnect Body. Requires Separate Purchase of SDC-040 Body

Requires Purchase of SDC-040 Body

SDCP-040	4	12	420	055	23.77
----------	---	----	-----	-----	-------



DWV Industrial PVC Backwater Valves

Backwater Valves are designed to prevent backflow in numerous applications where easy service access for maintenance and cleaning is needed. Excellent for use in sanitary or storm sewer drainage systems to prevent waste back up due to inadequate drainage, for balancing multi-level ponds, aquaculture features or storage tank systems, and many other applications. Spears® Backwater Valve has been engineered for improved function and easier service, especially in buried service with use of optional Service-Access Extension available either preassembled with valve or as an add-on kit.

- Replaceable internal flapper assembly with EPDM Seat.
- Service-Access Extension available either preassembled with valve, as an add-on kit, or as valve & extension kit components with user supplied pipe.
- Direct Connection to ASTM D 2665 PVC DWV or other IPS size pipe. Spears® fabricated IPS x Sewer Adapters or DWV x Sewer & Drain Adapter Bushings are available for connection to ASTM D 3034 & ASTM D 2729 Sewer pipe.
- Pressure Rated to 43 psi (100 feet of head) @ 73°F (23°C).
- All extension kits can be cut shorter for custom application.
- Conforms to ASME/ANSI A112.14.1 for Backwater Valves.

PVC Backwater Valves



PVC Backwater Valves Soc x Soc - Valve Only

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
S275P	2	1	3840	055	56.10
S375P	3	2	210	055	56.21
S475P	4	1	54	055	62.27
S675P	6	1	30	055	265.30

PVC Backwater Valves with Extension Kit to Premade Length

Soc x Soc - Assembled with Extension (continued)

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
S375P-480 ¹	3X48HT	1	15	055	239.64
S475P-120 ¹	4X12HT	1	18	055	219.79
S475P-160 ¹	4X16HT	1	12	055	237.11
S475P-200 ¹	4X20HT	1	30	055	252.89
S475P-240 ¹	4X24HT	1	30	055	269.66
S475P-360 ¹	4X36HT	1	30	055	283.20
S475P-480 ¹	4X48HT	1	30	055	311.22
S675P-120 ¹	6X12HT	1	30	055	461.53
S675P-160 ¹	6X16HT	1	30	055	497.93
S675P-200 ¹	6X20HT	1	30	055	531.07
S675P-240 ¹	6X24HT	1	30	055	566.35
S675P-360 ¹	6X36HT	1	30	055	594.74
S675P-480 ¹	6X48HT	1	1	055	653.55

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

PVC Backwater Valves with Extension Kit to Premade Length



PVC Backwater Valves with Extension Kit to Premade Length

Soc x Soc - Assembled with Extension

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
S275P-120 ¹	2X12HT	1	98	055	169.21
S275P-160 ¹	2X16HT	1	98	055	182.01
S275P-200 ¹	2X20HT	1	98	055	194.80
S275P-240 ¹	2X24HT	1	98	055	207.60
S275P-360 ¹	2X36HT	1	98	055	218.04
S275P-480 ¹	2X48HT	1	98	055	239.64
S375P-120 ¹	3X12HT	1	36	055	169.21
S375P-160 ¹	3X16HT	1	15	055	182.01
S375P-200 ¹	3X20HT	1	15	055	194.80
S375P-240 ¹	3X24HT	1	15	055	207.60
S375P-360 ¹	3X36HT	1	15	055	218.04

PVC Service-Access Extension Kit Only to Premade Length



PVC Service-Access Extension Kit: includes factory assembled internal flap assembly, assembly extension pipe, and external extension housing with top access adapter. Requires solvent cement assembly to existing valve and uses existing threaded Access Plug. Standard Extensions are available in convenient increments of 12", 16", 20", 24", 36", and 48" (measured from top of valve to top of extension). Contact Spears® for pricing on custom cut lengths. All extension kits can be cut shorter in the field for custom fits prior to cementing access adapter in place.

PVC Service-Access Extension Kit Only to Premade Length

Part Number	Size	Std Pk	Plt Qty	Disc Code	Price Each
SAEK-020-120 ¹	2X12HT	1	65	055	52.77
SAEK-020-160 ¹	2X16HT	1	36	055	54.28
SAEK-020-200 ¹	2X20HT	1	5	055	55.72
SAEK-020-240 ¹	2X24HT	1	5	055	58.39
SAEK-020-360 ¹	2X36HT	1	5	055	61.15
SAEK-020-480 ¹	2X48HT	1	5	055	64.14
SAEK-030-120 ¹	3X12HT	1	65	055	57.23
SAEK-030-160 ¹	3X16HT	1	36	055	64.60

DWV
Industrial PVC Backwater Valves



PVC Service-Access Extension Kit Only to Premade Length (continued)

Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
SAEK-030-200 ¹	3X20HT	1	0	055	68.44
SAEK-030-240 ¹	3X24HT	1	49	055	77.13
SAEK-030-360 ¹	3X36HT	1	30	055	91.24
SAEK-030-480 ¹	3X48HT	1	30	055	107.91
SAEK-040-120 ¹	4X12HT	1	36	055	85.34
SAEK-040-160 ¹	4X16HT	1	0	055	96.21
SAEK-040-200 ¹	4X20HT	1	12	055	118.67
SAEK-040-240 ¹	4X24HT	1	12	055	129.95
SAEK-040-360 ¹	4X36HT	1	12	055	163.46
SAEK-040-480 ¹	4X48HT	1	12	055	188.71
SAEK-060-120 ¹	6X12HT	1	4	055	152.89
SAEK-060-160 ¹	6X16HT	1	0	055	173.77
SAEK-060-200 ¹	6X20HT	1	0	055	197.04
SAEK-060-240 ¹	6X24HT	1	6	055	226.07
SAEK-060-360 ¹	6X36HT	1	6	055	280.62
SAEK-060-480 ¹	6X48HT	1	5	055	348.34

¹ - Size designates nominal valve size x extension height (HT-top of valve to top of extension, inches)

PVC Backwater Valve with Extension Components



**PVC Backwater Valve with Extension Components
Soc x Soc - Components
Must be assembled with user supplied pipe (see Table 1)**

Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
S275P-AK	2	1	240	055	82.65
S375P-AK	3	1	105	055	82.65
S475P-AK	4	1	36	055	96.68
S675P-AK	6	1	14	055	342.36

PVC Backwater Valve Extension Components Only



**PVC Backwater Valve Extension Components Only
Must be assembled with user supplied pipe (see Table 1)**

Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
S275P-ECK	2	1	240	055	44.01
S375P-ECK	3	1	168	055	44.01
S475P-ECK	4	1	72	055	57.35
S675P-ECK	6	1	48	055	120.49

**Table 1: User Supplied Pipe Requirements
For Use With Extension Components**

Valve Size	Riser Pipe Type Options	Sleeve Pipe Type Options
2"	4" Class 125 PVC 4" Sch 40 PVC	2" Class 125 PVC 2" Sch 40 PVC
3"	5" Class 125 PVC 5" Sch 40 PVC 6" D3034 (SDR 35) PVC Sewer Pipe	4" Class 125 PVC 4" Sch 40 PVC
4"	8" Class 125 PVC 8" Sch 40 PVC	5" Class 125 PVC 5" Sch 40 PVC 6" D3034 (SDR 35) PVC Sewer Pipe
6"	10" Class 125 PVC 10" Sch 40 PVC	8" Class 125 PVC 8" Sch 40 PVC

Note: Sch 80 PVC pipe may also be used, except for 3" Riser or 2" Sleeve. ABS pipe may also be used. However, special cement for joining ABS to PVC must be used.

Industrial Backwater Valve Flapper Repair Kit



Industrial Backwater Valve Flapper Repair Kit

Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
Complete Flapper Assembly replacement					
S275P-FRK	2	1	1680	055	32.76
S375P-FRK	3	1	1050	055	41.31
S475P-FRK	4	1	720	055	48.11
S675P-FRK	6	1	240	055	85.67



DWV Industrial PVC Backwater Valves

PVC Backwater Valve Metric Adapters



PVC Backwater Valve Metric Adapters

Part Number	Size	Std Pk	Pklt Qty	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Metric Socket x ASTM Spigot

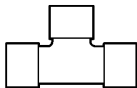
S275MA-063	63mm X2	50	2400	055	14.52
S375MA-090	90mm X3	25	750	055	15.60
S475MA-110	110mm X4	10	480	055	18.48
S675MA-160	160mm X6	4	120	055	42.65

DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings



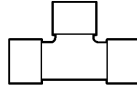
Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

TEE (Soc x Soc x Soc)

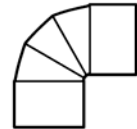
	6	3701-060 110.71	3901-060 192.55
	6X2	3701-528' 95.67	3901-528 143.46
	6X3	3701-530' 100.49	3901-530 150.21
	6X4	3701-532 105.11	3901-532 155.95
	8	3701-080 180.35	3901-080 305.62
	8X2	3701-578' 112.49	3901-578 200.93
	8X3	3701-580' 117.96	3901-580 226.39
	8X4	3701-582 121.17	3901-582 231.44
	8X6	3701-585 131.48	3901-585 240.28
	10	3701-100 350.77	3901-100 476.69
	10X2	3701-621' 183.12	3901-621 283.51
	10X3	3701-623' 186.51	3901-623 308.79
	10X4	3701-624 191.07	3901-624 349.32
	10X6	3701-626 233.56	3901-626 426.85
	10X8	3701-628 313.11	3901-628 447.31
	12	3701-120 466.17	3901-120 656.79
	12X2	3701-661' 244.48	3901-661 351.10
	12X3	3701-663' 248.09	3901-663 409.17
	12X4	3701-664 254.33	3901-664 464.87
	12X6	3701-666 295.40	3901-666 540.86
	12X8	3701-668 352.84	3901-668 595.50
	12X10	3701-670 402.07	3901-670 603.30
	14	3701-140' 916.36	3901-140 1179.59
	14X2	3701-691' 387.72	3901-691 621.73
	14X3	3701-693' 429.13	3901-693 695.59
	14X4	3701-694' 478.43	3901-694 765.55
	14X6	3701-696' 561.48	3901-696 898.39
	14X8	3701-698' 669.44	3901-698 1076.36
	14X10	3701-700' 760.96	3901-700 1132.32
	14X12	3701-702' 900.20	3901-702 1143.32
	16	3701-160 1297.13	3901-160 1858.31
	16X2	3701-751 552.88	3901-751 797.09
	16X3	3701-753 558.94	3901-753 881.66
	16X4	3701-754 593.33	3901-754 949.27
	16X6	3701-756 641.80	3901-756 1026.80
	16X8	3701-758 751.34	3901-758 1202.80
	16X10	3701-760 944.45	3901-760 1346.67

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

TEE (Soc x Soc x Soc) (continued)

	16X12	3701-762 1072.44	3901-762 1707.23
	16X14	3701-764 1272.74	3901-764 1765.37
	18	3701-180 1612.00	3901-180 2006.31
	18X4	3701-784 947.53	3901-784 1101.71
	18X6	3701-786 962.53	3901-786 1246.67
	18X8	3701-788 1002.03	3901-788 1293.34
	18X10	3701-790 1129.40	3901-790 1306.93
	18X12	3701-792 1203.17	3901-792 1606.62
	18X14	3701-794 1290.49	3901-794 1847.55
	18X16	3701-796 1385.13	3901-796 1887.88
	20	3701-200 2146.70	3901-200 2887.18
	20X4	3701-814 1145.17	3901-814 1529.59
	20X6	3701-816 1211.77	3901-816 1724.96
	20X8	3701-818 1280.45	3901-818 2118.45
	20X10	3701-820 1374.15	3901-820 2188.67
	20X12	3701-822 1455.04	3901-822 2311.86
	20X14	3701-824 1570.19	3901-824 2514.57
	20X16	3701-826 1672.01	3901-826 2560.44
	20X18	3701-828 1844.28	3901-828 2768.27
	24	3701-240 2674.43	3901-240 3463.00
	24X4	3701-904 1576.88	3901-904 1896.26
	24X6	3701-906 1657.51	3901-906 2138.54
	24X8	3701-908 1758.49	3901-908 2313.36
	24X10	3701-910 1857.78	3901-910 2517.20
	24X12	3701-912 1957.64	3901-912 2648.74
	24X14	3701-914 2091.70	3901-914 2936.91
	24X16	3701-916 2212.46	3901-916 3030.54
	24X18	3701-918 2403.67	3901-918 3178.38
	24X20	3701-920 2580.67	3901-920 3324.62

90° ELBOW (Soc x Soc)

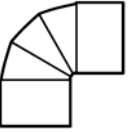
	6	3706-060 109.30	3906-060 141.49
	8	3706-080 151.84	3906-080 237.64
	10	3706-100 240.02	3906-100 469.12
	12	3706-120 369.21	3906-120 684.10
	14	3706-140' 494.47	3906-140 1006.52
	16	3706-160 733.28	3906-160 1251.81
	18	3706-180 1090.59	3906-180 1611.51



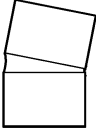
DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings

Size	SCH 40 LOW PR	SCH 80 LOW PR
	Disc Code: 390 Part Number Price Each	Disc Code: 400 Part Number Price Each

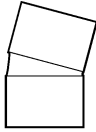
90° ELBOW (Soc x Soc) (continued)

	20	3706-200 1226.65	3906-200 1900.03
	24	3706-240 1533.97	3906-240 2842.99

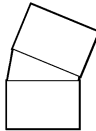
11-1/4° ELBOW (Soc x Soc)

	4	3711-040 39.07	3911-040 53.13
	6	3711-060 62.77	3911-060 99.33
	8	3711-080 106.11	3911-080 162.59
	10	3711-100 160.11	3911-100 288.16
	12	3711-120 253.29	3911-120 421.16
	14	3711-140 398.21	3911-140 644.76
	16	3711-160 542.83	3911-160 861.86
	18	3711-180 607.52	3911-180 1112.61
	20	3711-200 805.84	3911-200 1426.34
	24	3711-240 1440.68	3911-240 1632.63

15° ELBOW (Soc x Soc)

	4	3718-040 39.07	3918-040 53.13
	6	3718-060 62.77	3918-060 99.33
	8	3718-080 106.11	3918-080 162.59
	10	3718-100 160.11	3918-100 288.16
	12	3718-120 253.29	3918-120 421.16
	14	3718-140 398.21	3918-140 644.76
	16	3718-160 542.83	3918-160 861.86
	18	3718-180 607.52	3918-180 1112.61
	20	3718-200 805.84	3918-200 1426.34
	24	3718-240 1440.68	3918-240 1632.63

22-1/2° ELBOW (Soc x Soc)

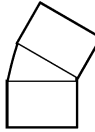
	4	3716-040 39.07	3916-040 53.13
	6	3716-060 62.77	3916-060 99.33
	8	3716-080 106.11	3916-080 162.59
	10	3716-100 160.11	3916-100 288.16
	12	3716-120 253.29	3916-120 421.16
	14	3716-140 398.21	3916-140 644.76
	16	3716-160 542.83	3916-160 861.86
	18	3716-180 651.90	3916-180 1112.61
	20	3716-200 805.84	3916-200 1426.34
	24	3716-240 1440.68	3916-240 1632.63

Size	SCH 40 DWV	SCH 80 DWV
	Disc Code: 390 Part Number Price Each	Disc Code: 400 Part Number Price Each

22-1/2° STREET ELL (Spig x Soc)

	6	3742-060 69.04	3942-060 109.23
	8	3742-080 116.71	3942-080 178.84
	10	3742-100 176.11	3942-100 316.99
	12	3742-120 278.61	3942-120 463.29
	14	3742-140 438.02	3942-140 709.24
	16	3742-160 431.09	3942-160 948.04
	18	3742-180 717.09	3942-180 1222.30
	20	3742-200 1092.49	3942-200 1679.19
	24	3742-240 1694.91	3942-240 1921.16

30° ELBOW (Soc x Soc)

	4	3715-040 39.07	3915-040 53.13
	6	3715-060 62.77	3915-060 99.33
	8	3715-080 106.11	3915-080 162.59
	10	3715-100 160.11	3915-100 288.16
	12	3715-120 253.29	3915-120 421.16
	14	3715-140 398.21	3915-140 644.76
	16	3715-160 542.83	3915-160 861.86
	18	3715-180 651.90	3915-180 1112.61
	20	3715-200 805.84	3915-200 1426.34
	24	3715-240 1440.68	3915-240 1632.63

45° ELBOW (Soc x Soc)

	4	3717-040 95.45	3917-040 116.79
	6	3717-060 101.45	3917-060 166.47
	8	3717-080 121.48	3917-080 178.88
	10	3717-100 199.80	3917-100 327.68
	12	3717-120 280.61	3917-120 468.44
	14	3717-140 486.55	3917-140 673.20
	16	3717-160 600.76	3917-160 871.77
	18	3717-180 693.29	3917-180 1179.26
	20	3717-200 946.62	3917-200 1481.21
	24	3717-240 1257.83	3917-240 1743.77

45° STREET ELL (Spig x Soc)

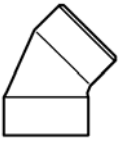
	4	3727-040 95.45	3927-040 116.79
	6	3727-060 101.45	3927-060 166.47
	8	3727-080 121.48	3927-080 178.88
	10	3727-100 199.80	3927-100 327.68
	12	3727-120 280.61	3927-120 468.44
	14	3727-140 486.55	3927-140 673.20

DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings

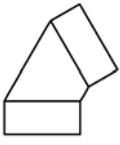


Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

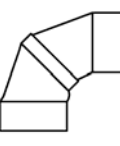
45° STREET ELL (Spig x Soc) (continued)

	16	3727-160 600.76	3927-160 871.77
	18	3727-180 693.29	3927-180 1179.26
	20	3727-200 946.62	3927-200 1481.21
	24	3727-240 1257.83	3927-240 1743.77

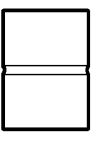
60° ELBOW (Soc x Soc)

	6	3724-060° 121.24	3924-060 176.85
	8	3724-080° 172.98	3924-080 297.10
	10	3724-100° 289.87	3924-100 556.88
	12	3724-120° 379.79	3924-120 819.63
	14	3724-140° 696.16	3924-140 1191.02
	16	3724-160 846.39	3924-160 1447.14
	18	3724-180 1087.36	3924-180 1611.51
	20	3724-200 1159.96	3924-200 1900.03
	24	3724-240 1494.50	3924-240 2029.83

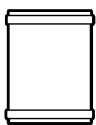
90° STREET ELL (Spig x Soc)

	4	---	3909-040 133.13
	6	3709-060° 116.02	3909-060 157.77
	8	3709-080° 159.60	3909-080 259.82
	10	3709-100° 266.68	3909-100 514.97
	12	3709-120° 388.65	3909-120 756.59
	14	3709-140° 537.45	3909-140 1105.64
	16	3709-160 835.91	3909-160 1373.12
	18	3709-180 1208.94	3909-180 1768.33
	20	3709-200 1362.76	3909-200 2086.43
	24	3709-240 1704.09	3909-240 2229.04

COUPLING (Soc x Soc)

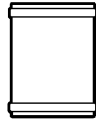
	8	3729-080 69.27	3929-080 153.35
	10	3729-100 85.18	3929-100 167.01
	12	3729-120 125.39	3929-120 192.51
	14	3729-140 203.61	3929-140 384.95
	16	3729-160 227.10	3929-160 457.66
	18	3729-180 387.28	3929-180 902.11
	20	3729-200 675.61	3929-200 1112.26
	24	3729-240 938.29	3929-240 1918.73

REPAIR COUPLING (Gasket x Gasket)

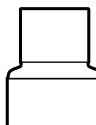
	4	3728-040 67.14	3928-040 78.44
	6	3728-060 93.39	3928-060 110.54
	8	3728-080 147.01	3928-080 187.00

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

REPAIR COUPLING (Gasket x Gasket) (continued)

	10	3728-100 193.96	3928-100 261.66
	12	3728-120 243.33	3928-120 332.52
	14	3728-140 422.24	3928-140 736.29
	16	3728-160 622.10	3928-160 1104.65
	18	3728-180 813.27	3928-180 1435.96
	20	3728-200 1262.90	3928-200 1723.17
	24	3728-240 1712.80	3928-240 2324.28

REDUCER COUPLING (Soc x Soc)

	6X2	3729-528° 100.74	3929-528 174.67
	6X3	3729-530° 99.16	3929-530 129.03
	6X4	3729-532 35.98	3929-532 84.89
	8X2	3729-578 169.45	3929-578 235.97
	8X3	3729-580 156.87	3929-580 206.24
	8X4	3729-582° 89.18	3929-582 162.98
	8X6	3729-585° 76.65	3929-585 149.99
	10X4	3729-624° 201.24	3929-624 382.88
	10X6	3729-626° 187.54	3929-626 305.50
	10X8	3729-628° 131.26	3929-628 163.29
	12X4	3729-664° 378.38	3929-664 550.13
	12X6	3729-666° 286.90	3929-666 453.59
	12X8	3729-668° 252.50	3929-668 393.61
	12X10	3729-670° 191.07	3929-670 241.77
	14X4	3729-694° 608.91	3929-694 744.37
	14X6	3729-696° 589.49	3929-696 664.89
	14X8	3729-698° 426.71	3929-698 654.00
	14X10	3729-700° 360.39	3929-700 552.13
	14X12	3729-702° 320.05	3929-702 352.96
	16X4	3729-754 651.72	3929-754 1093.81
	16X6	3729-756 600.30	3929-756 1025.46
	16X8	3729-758 546.24	3929-758 968.50
	16X10	3729-760 487.84	3929-760 673.34
	16X12	3729-762 442.89	3929-762 618.99
	16X14	3729-764 384.10	3929-764 521.83
	18X6	3729-786 1084.87	3929-786 1580.91
	18X8	3729-788 920.14	3929-788 1462.96
	18X10	3729-790 858.57	3929-790 1344.46
	18X12	3729-792 803.86	3929-792 1123.63



DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

REDUCER COUPLING (Soc x Soc) (continued)

	18X14	3729-794 741.35	3929-794 1088.06
	18X16	3729-796 553.79	3929-796 930.04
	20X6	3729-816 1358.83	3929-816 2223.06
	20X8	3729-818 1315.98	3929-818 2197.33
	20X10	3729-820 1153.72	3929-820 2181.00
	20X12	3729-822 1137.91	3929-822 2045.36
	20X14	3729-824 1123.86	3929-824 2029.10
	20X16	3729-826 1060.22	3929-826 1625.01
	20X18	3729-828 936.64	3929-828 1120.57
	24X6	3729-906 2732.86	3929-906 3758.81
	24X8	3729-908 2654.56	3929-908 3727.45
	24X10	3729-910 2194.81	3929-910 3714.71
	24X12	3729-912 2122.45	3929-912 3654.69
	24X14	3729-914 2012.56	3929-914 3642.45
	24X16	3729-916 1847.93	3929-916 3502.51
	24X18	3729-918 1636.31	3929-918 2670.40
	24X20	3729-920 1230.10	3929-920 2394.88

ECCENTRIC REDUCER COUPLING (Soc x Soc)

	3X2	3729-338E 31.95	3929-338E 44.51
	4X2	3729-420E ² 43.39	3929-420E ² 113.55
	4X3	3729-422E 40.10	3929-422E 52.54
	6X2	3729-528E ^{3*} 97.94	3929-528E ³ 147.83
	6X3	3729-530E ^{2*} 90.21	3929-530E ² 143.62
	6X4	3729-532E ² 45.11	3929-532E 109.54
	8X3	3729-580E ^{3*} 186.07	3929-580E ³ 208.73
	8X4	3729-582E ^{2*} 92.91	3929-582E ² 189.46
	8X6	3729-585E ⁷ 75.11	3929-585E 145.69
	10X4	3729-624E ^{2*} 212.45	3929-624E ³ 320.61
	10X6	3729-626E ⁷ 195.34	3929-626E ² 272.11
	10X8	3729-628E ⁷ 184.17	3929-628E 251.44
	12X4	3729-664E ^{3*} 396.38	3929-664E ⁴ 490.28
	12X6	3729-666E ^{2*} 325.70	3929-666E ³ 403.49
	12X8	3729-668E ^{2*} 215.98	3929-668E ² 348.59
	12X10	3729-670E ⁷ 187.26	3929-670E 222.82
	14X6	3729-696E ³ 661.64	3929-696E ⁴ 798.65
	14X8	3729-698E ³ 541.99	3929-698E ³ 714.44
	14X10	3729-700E ² 492.01	3929-700E ² 517.24

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

ECCENTRIC REDUCER COUPLING (Soc x Soc) (continued)

	14X12	3729-702E 300.79	3929-702E 475.68
	16X6	3729-756E ³ 691.36	3929-756E ⁵ 1475.54
	16X8	3729-758E ³ 681.67	3929-758E ³ 1351.18
	16X10	3729-760E ² 504.07	3929-760E ³ 982.94
	16X12	3729-762E 479.65	3929-762E ² 872.69
	16X14	3729-764E 426.20	3929-764E 675.95
	18X6	3729-786E ⁴ 982.67	3929-786E ⁶ 2036.86
	18X8	3729-788E ⁴ 968.12	3929-788E ⁵ 1949.82
	18X10	3729-790E ³ 898.80	3929-790E ⁴ 1822.05
	18X12	3729-792E ² 811.16	3929-792E ³ 1626.32
	18X14	3729-794E ² 717.18	3929-794E ² 1340.80
	18X16	3729-796E 578.53	3929-796E 1308.31

2=Two-Step Design, 3=Three-Step Design, 4=Four-Step Design, 5=Five-Step Design, 6=Six-Step Design

CROSS (Soc x Soc x Soc x Soc)

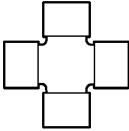
	4X2	---	3920-420 122.31
	4X3	---	3920-422 134.60
	6	3720-060 142.23	3920-060 331.73
	6X2	3720-528 106.77	3920-528 171.87
	6X3	3720-530 126.44	3920-530 193.72
	6X4	3720-532 139.40	3920-532 239.18
	8	3720-080 287.27	3920-080 399.53
	8X2	3720-578 184.43	3920-578 216.87
	8X3	3720-580 199.54	3920-580 230.39
	8X4	3720-582 219.21	3920-582 247.16
	8X6	3720-585 275.82	3920-585 320.32
	10	3720-100 467.62	3920-100 854.76
	10X2	3720-621 195.87	3920-621 392.53
	10X3	3720-623 225.60	3920-623 454.21
	10X4	3720-624 258.80	3920-624 465.72
	10X6	3720-626 296.78	3920-626 569.07
	10X8	3720-628 416.66	3920-628 750.95
	12	3720-120 616.47	3920-120 1204.49
	12X2	3720-661 258.86	3920-661 531.41
	12X3	3720-663 290.53	3920-663 594.01
	12X4	3720-664 307.14	3920-664 619.84
	12X6	3720-666 375.43	3920-666 719.73
	12X8	3720-668 456.23	3920-668 859.77

DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings



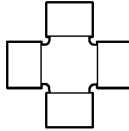
Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

CROSS (Soc x Soc x Soc x Soc) (continued)

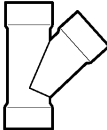
	12X8	3720-668 456.23	3920-668 859.77
	12X10	3720-670 529.54	3920-670 979.74
	14	3720-140 1024.09	3920-140 2141.68
	14X2	3720-691 505.26	3920-691 806.70
	14X3	3720-693 562.57	3920-693 888.72
	14X4	3720-694 624.59	3920-694 993.59
	14X6	3720-696 702.56	3920-696 1115.13
	14X8	3720-698 809.40	3920-698 1282.62
	14X10	3720-700 919.67	3920-700 1535.84
	14X12	3720-702 972.97	3920-702 1799.45
	16	3720-160 1495.97	3920-160 2715.13
	16X2	3720-751 693.32	3920-751 1094.13
	16X3	3720-753 761.99	3920-753 1195.31
	16X4	3720-754 791.10	3920-754 1265.71
	16X6	3720-756 855.64	3920-756 1369.05
	16X8	3720-758 1002.33	3920-758 1603.69
	16X10	3720-760 1193.97	3920-760 1846.79
	16X12	3720-762 1372.15	3920-762 2193.87
	16X14	3720-764 1440.78	3920-764 2587.26
	18	3720-180 2119.43	3920-180 3351.85
	18X4	3720-784 857.77	3920-784 1597.41
	18X6	3720-786 1209.37	3920-786 1825.82
	18X8	3720-788 1370.18	3920-788 2178.14
	18X10	3720-790 1481.93	3920-790 2468.51
	18X12	3720-792 1575.61	3920-792 2738.52
	18X14	3720-794 1660.33	3920-794 2926.80
	18X16	3720-796 1926.99	3920-796 3179.19
	20	3720-200 3605.70	3920-200 5658.71
	20X4	3720-814 1514.46	3920-814 2099.24
	20X6	3720-816 1572.72	3920-816 2270.85
	20X8	3720-818 1953.79	3920-818 2471.18
	20X10	3720-820 2231.96	3920-820 2901.09
	20X12	3720-822 2329.02	3920-822 3211.00
	20X14	3720-824 2533.39	3920-824 3468.95
	20X16	3720-826 2849.05	3920-826 3857.61
	20X18	3720-828 3082.57	3920-828 4600.87
	24	3720-240 4748.84	3920-240 6859.59

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

CROSS (Soc x Soc x Soc x Soc) (continued)

	24X4	3720-904 1935.80	3920-904 2317.49
	24X6	3720-906 2298.34	3920-906 2642.74
	24X8	3720-908 2446.67	3920-908 3449.11
	24X10	3720-910 2615.56	3920-910 3743.77
	24X12	3720-912 2880.52	3920-912 4294.79
	24X14	3720-914 2962.72	3920-914 5041.30
	24X16	3720-916 3283.61	3920-916 5345.20
	24X18	3720-918 3667.24	3920-918 5614.22
	24X20	3720-920 4440.39	3920-920 5978.71

WYE (Soc x Soc x Soc)

	8	3775-080 199.27	3975-080 333.20
	8X2	3775-578 130.01	3975-578 235.67
	8X3	3775-580 135.12	3975-580 260.68
	8X4	3775-582 140.70	3975-582 267.20
	8X6	3775-585 184.67	3975-585 269.94
	10	3775-100 398.11	3975-100 594.70
	10X2	3775-621 232.78	3975-621 343.11
	10X3	3775-623 243.81	3975-623 357.62
	10X4	3775-624 250.55	3975-624 367.77
	10X6	3775-626 302.10	3975-626 464.73
	10X8	3775-628 370.27	3975-628 506.10
	12	3775-120 525.17	3975-120 899.77
	12X2	3775-661 276.96	3975-661 577.10
	12X3	3775-663 287.62	3975-663 584.00
	12X4	3775-664 297.46	3975-664 593.83
	12X6	3775-666 354.46	3975-666 647.85
	12X8	3775-668 393.84	3975-668 719.86
	12X10	3775-670 462.81	3975-670 845.77
	14	3775-140 1130.21	3975-140 1366.53
	14X2	3775-691 562.29	3975-691 923.76
	14X3	3775-693 589.71	3975-693 937.83
	14X4	3775-694 599.59	3975-694 945.37
	14X6	3775-696 647.17	3975-696 1035.46
	14X8	3775-698 740.59	3975-698 1147.21
	14X10	3775-700 791.64	3975-700 1197.83
	14X12	3775-702 1012.16	3975-702 1269.55
	16	3775-160 1438.00	3975-160 2103.57

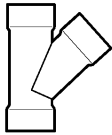


DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

WYE (Soc x Soc x Soc) (continued)

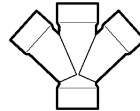
16X2	3775-751 638.90	3975-751 1071.52
16X3	3775-753 675.94	3975-753 1085.03
16X4	3775-754 706.59	3975-754 1130.50
16X6	3775-756 760.46	3975-756 1216.69
16X8	3775-758 867.12	3975-758 1282.15
16X10	3775-760 1041.68	3975-760 1403.62
16X12	3775-762 1134.44	3975-762 1880.86
16X14	3775-764 1374.74	3975-764 2002.34
18	3775-180 1653.53	3975-180 2825.89
18X4	3775-784 1132.95	3975-784 1461.15
18X6	3775-786 1151.20	3975-786 1485.65
18X8	3775-788 1188.73	3975-788 1601.38
18X10	3775-790 1264.64	3975-790 1647.85
18X12	3775-792 1385.01	3975-792 1813.98
18X14	3775-794 1514.19	3975-794 2203.30
18X16	3775-796 1605.33	3975-796 2656.38
20	3775-200 2436.88	3975-200 4819.19
20X4	3775-814 1312.88	3975-814 1704.26
20X6	3775-816 1317.66	3975-816 1843.63
20X8	3775-818 1414.55	3975-818 2291.73
20X10	3775-820 1463.89	3975-820 2385.28
20X12	3775-822 1652.51	3975-822 2625.83
20X14	3775-824 1922.04	3975-824 3042.99
20X16	3775-826 2110.95	3975-826 3125.32
20X18	3775-828 2281.38	3975-828 3266.83
24	3775-240 3032.27	3975-240 5426.44
24X4	3775-904 1636.89	3975-904 2427.05
24X6	3775-906 1805.89	3975-906 2665.86
24X8	3775-908 1913.76	3975-908 3086.24
24X10	3775-910 2057.41	3975-910 3128.82
24X12	3775-912 2123.11	3975-912 3431.62
24X14	3775-914 2224.83	3975-914 3618.83
24X16	3775-916 2351.14	3975-916 4150.55
24X18	3775-918 2515.52	3975-918 4873.51
24X20	3775-920 2839.07	3975-920 5032.28



Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

DOUBLE WYE (Soc x Soc x Soc x Soc)

6	3776-060 147.60	3976-060 188.94
6X4	3776-532 115.48	3976-532 175.49
8	3776-080 284.68	3976-080 364.40
8X2	3776-578 155.00	3976-578 208.39
8X3	3776-580 165.60	3976-580 215.72
8X4	3776-582 172.62	3976-582 245.57
8X6	3776-585 217.97	3976-585 313.81
10	3776-100 417.54	3976-100 668.09
10X2	3776-621 220.64	3976-621 370.04
10X3	3776-623 230.53	3976-623 379.40
10X4	3776-624 242.07	3976-624 387.30
10X6	3776-626 299.47	3976-626 479.13
10X8	3776-628 362.61	3976-628 578.85
12	3776-120 681.69	3976-120 1093.21
12X2	3776-661 298.66	3976-661 610.22
12X3	3776-663 308.48	3976-663 615.60
12X4	3776-664 315.39	3976-664 620.88
12X6	3776-666 375.43	3976-666 730.51
12X8	3776-668 479.21	3976-668 887.43
12X10	3776-670 613.50	3976-670 1002.13
14	3776-140 1209.11	3976-140 1518.46
14X2	3776-691 576.19	3976-691 1080.50
14X3	3776-693 603.09	3976-693 1112.36
14X4	3776-694 628.44	3976-694 1121.93
14X6	3776-696 699.63	3976-696 1147.21
14X8	3776-698 810.77	3976-698 1214.70
14X10	3776-700 856.82	3976-700 1282.15
14X12	3776-702 1109.67	3976-702 1444.14
16	3776-160 1586.94	3976-160 2360.01
16X2	3776-751 745.14	3976-751 1267.72
16X3	3776-753 789.69	3976-753 1278.36
16X4	3776-754 801.37	3976-754 1282.15
16X6	3776-756 847.78	3976-756 1356.39
16X8	3776-758 927.88	3976-758 1484.60
16X10	3776-760 1136.48	3976-760 1693.80
16X12	3776-762 1224.81	3976-762 1822.04
16X14	3776-764 1466.78	3976-764 2166.91

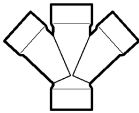


DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings

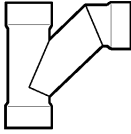


Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

DOUBLE WYE (Soc x Soc x Soc x Soc) (continued)

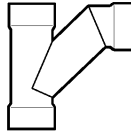
	18	3776-180 2216.87	3976-180 3116.60
	18X4	3776-784 1223.50	3976-784 1641.34
	18X6	3776-786 1243.22	3976-786 1903.15
	18X8	3776-788 1333.34	3976-788 1952.63
	18X10	3776-790 1623.38	3976-790 1969.81
	18X12	3776-792 1653.65	3976-792 2116.45
	18X14	3776-794 1775.63	3976-794 2407.61
	18X16	3776-796 1822.33	3976-796 2814.18
	20	3776-200 2882.50	3976-200 5033.10
	20X4	3776-814 1387.73	3976-814 2020.07
	20X6	3776-816 1459.83	3976-816 2148.30
	20X8	3776-818 1484.00	3976-818 2323.64
	20X10	3776-820 1954.28	3976-820 2665.50
	20X12	3776-822 2139.30	3976-822 2957.85
	20X14	3776-824 2336.37	3976-824 3105.48
	20X16	3776-826 2549.48	3976-826 3949.33
	20X18	3776-828 2788.33	3976-828 4199.65
	24	3776-240 3589.00	3976-240 6495.97
	24X4	3776-904 1788.04	3976-904 2625.83
	24X6	3776-906 1976.95	3976-906 2880.98
	24X8	3776-908 2028.51	3976-908 3153.82
	24X10	3776-910 2134.21	3976-910 3314.78
	24X12	3776-912 2259.38	3976-912 3399.70
	24X14	3776-914 2400.86	3976-914 4576.74
	24X16	3776-916 2611.95	3976-916 5717.37
	24X18	3776-918 2637.93	3976-918 5797.52
	24X20	3776-920 3390.20	3976-920 6112.67

COMBO WYE (Soc x Soc x Soc)

	6	3777-060 187.79	3977-060 300.55
	6X4	3777-532 146.30	3977-532 264.02
	8	3777-080 299.47	3977-080 495.18
	8X2	3777-578 164.21	3977-578 325.86
	8X3	3777-580 204.62	3977-580 333.84
	8X4	3777-582 208.44	3977-582 341.12
	8X6	3777-585 236.20	3977-585 377.88
	10	3777-100 534.88	3977-100 944.76
	10X2	3777-621 244.27	3977-621 395.93

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

COMBO WYE (Soc x Soc x Soc) (continued)

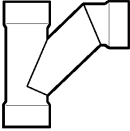
	10X3	3777-623 255.84	3977-623 410.94
	10X4	3777-624 261.50	3977-624 418.41
	10X6	3777-626 328.98	3977-626 526.38
	10X8	3777-628 409.35	3977-628 688.32
	12	3777-120 776.48	3977-120 1185.97
	12X2	3777-661 395.85	3977-661 646.53
	12X3	3777-663 404.21	3977-663 657.21
	12X4	3777-664 413.31	3977-664 661.35
	12X6	3777-666 459.26	3977-666 738.98
	12X8	3777-668 515.24	3977-668 877.31
	12X10	3777-670 641.06	3977-670 1025.77
	14	3777-140 1344.96	3977-140 1813.63
	14X2	3777-691 595.62	3977-691 996.35
	14X3	3777-693 609.07	3977-693 1007.84
	14X4	3777-694 644.16	3977-694 1030.56
	14X6	3777-696 732.94	3977-696 1172.74
	14X8	3777-698 806.37	3977-698 1227.33
	14X10	3777-700 954.32	3977-700 1396.07
	14X12	3777-702 1126.11	3977-702 1695.52
	16	3777-160 1579.31	3977-160 2526.93
	16X2	3777-751 774.17	3977-751 1259.09
	16X3	3777-753 788.51	3977-753 1278.29
	16X4	3777-754 807.30	3977-754 1291.61
	16X6	3777-756 853.85	3977-756 1366.18
	16X8	3777-758 939.38	3977-758 1552.13
	16X10	3777-760 1062.83	3977-760 1700.56
	16X12	3777-762 1140.93	3977-762 1825.38
	16X14	3777-764 1400.64	3977-764 2197.69
	18	3777-180 1988.81	3977-180 3450.38
	18X4	3777-784 1212.53	3977-784 1530.71
	18X6	3777-786 1250.30	3977-786 1623.80
	18X8	3777-788 1284.03	3977-788 1789.34
	18X10	3777-790 1366.82	3977-790 1924.50
	18X12	3777-792 1420.70	3977-792 2539.43
	18X14	3777-794 1613.11	3977-794 2905.38
	18X16	3777-796 1834.80	3977-796 3123.94
	20	3777-200 2577.07	3977-200 6357.30



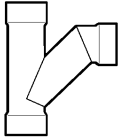
DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

COMBO WYE (Soc x Soc x Soc) (continued)

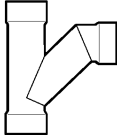
	20X4	3777-814 1340.65	3977-814 1693.55
	20X6	3777-816 1451.87	3977-816 1875.47
	20X8	3777-818 1479.39	3977-818 2336.16
	20X10	3777-820 1550.89	3977-820 2611.43
	20X12	3777-822 1949.30	3977-822 3084.67
	20X14	3777-824 2052.07	3977-824 3399.81
	20X16	3777-826 2296.05	3977-826 4329.68
	20X18	3777-828 2346.32	3977-828 5920.18
	24	3777-240 3481.14	3977-240 6770.11
	24X4	3777-904 1787.27	3977-904 2741.50
	24X6	3777-906 1951.64	3977-906 2916.97
	24X8	3777-908 2177.10	3977-908 3041.44
	24X10	3777-910 2330.82	3977-910 3594.87
	24X12	3777-912 2427.78	3977-912 3869.44
	24X14	3777-914 2472.52	3977-914 4616.05
	24X16	3777-916 2859.12	3977-916 5389.12
	24X18	3777-918 3054.33	3977-918 6109.12
	24X20	3777-920 3103.01	3977-920 6484.16

SANITARY TEE (Soc x Soc x Soc)

	6	3790-060 161.47	3990-060 271.57
	6X4	3790-532' 120.97	3990-532 214.65
	8	3790-080' 295.87	3990-080 491.69
	8X2	3790-578' 151.35	3990-578 268.95
	8X3	3790-580' 200.00	3990-580 306.34
	8X4	3790-582' 189.79	3990-582 326.61
	8X6	3790-585' 227.35	3990-585 363.69
	10	3790-100' 528.97	3990-100 933.90
	10X2	3790-621' 232.27	3990-621 362.04
	10X3	3790-623' 236.20	3990-623 372.33
	10X4	3790-624' 253.07	3990-624 404.91
	10X6	3790-626' 325.70	3990-626 512.88
	10X8	3790-628' 398.79	3990-628 660.61
	12	3790-120' 757.46	3990-120 1152.94
	12X2	3790-661' 389.76	3990-661 612.03
	12X3	3790-663' 394.20	3990-663 622.06
	12X4	3790-664' 405.73	3990-664 647.85
	12X6	3790-666' 442.38	3990-666 725.46

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

SANITARY TEE (Soc x Soc x Soc) (continued)

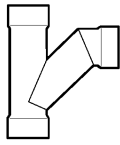
	12X8	3790-668' 492.54	3990-668 861.70
	12X10	3790-670' 620.43	3990-670 998.29
	14	3790-140' 1334.01	3990-140 1767.45
	14X2	3790-691' 528.55	3990-691 965.19
	14X3	3790-693' 573.52	3990-693 979.76
	14X4	3790-694' 579.13	3990-694 999.44
	14X6	3790-696' 690.67	3990-696 1139.61
	14X8	3790-698' 787.78	3990-698 1198.78
	14X10	3790-700' 946.27	3990-700 1362.83
	14X12	3790-702' 1115.56	3990-702 1638.22
	16	3790-160 1716.24	3990-160 2109.06
	16X2	3790-751 769.14	3990-751 1191.82
	16X3	3790-753 776.67	3990-753 1239.86
	16X4	3790-754 794.14	3990-754 1278.78
	16X6	3790-756 844.16	3990-756 1353.05
	16X8	3790-758 930.97	3990-758 1515.18
	16X10	3790-760 1052.01	3990-760 1674.40
	16X12	3790-762 1129.48	3990-762 1800.05
	16X14	3790-764 1353.74	3990-764 1963.99
	18	3790-180 1757.62	3990-180 3409.32
	18X4	3790-784 936.64	3990-784 1481.91
	18X6	3790-786 1004.55	3990-786 1571.85
	18X8	3790-788 1260.20	3990-788 1752.79
	18X10	3790-790 1433.95	3990-790 1891.72
	18X12	3790-792 1473.04	3990-792 2463.65
	18X14	3790-794 1679.27	3990-794 2533.94
	18X16	3790-796 1812.86	3990-796 3105.41
	20	3790-200 2374.31	3990-200 6259.17
	20X4	3790-814 991.54	3990-814 1661.52
	20X6	3790-816 1134.57	3990-816 1805.31
	20X8	3790-818 1223.84	3990-818 2293.45
	20X10	3790-820 1380.76	3990-820 2549.82
	20X12	3790-822 1546.03	3990-822 3014.69
	20X14	3790-824 1838.59	3990-824 3270.49
	20X16	3790-826 2119.91	3990-826 4252.63
	20X18	3790-828 2284.34	3990-828 5887.26
	24	3790-240 3106.51	3990-240 6716.97

DWV
PVC Schedule 40 & 80 DWV Fabricated Fittings

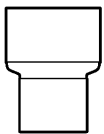


	Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
		Part Number Price Each	Part Number Price Each

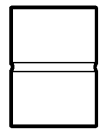
SANITARY TEE (Soc x Soc x Soc) (continued)

	24X4	3790-904 1451.91	3990-904 2677.53
	24X6	3790-906 1611.95	3990-906 2807.27
	24X8	3790-908 2139.36	3990-908 2936.98
	24X10	3790-910 2313.13	3990-910 3517.87
	24X12	3790-912 2417.05	3990-912 3788.61
	24X14	3790-914 2465.83	3990-914 4567.22
	24X16	3790-916 2827.90	3990-916 5242.84
	24X18	3790-918 2964.44	3990-918 6029.35
	24X20	3790-920 3071.50	3990-920 6368.34

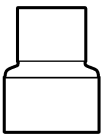
IPS X SEWER ADAPTER (Soc x Spig)

	4	3729-04013IXS 16.63	---
	6	3729-06013IXS 35.10	---
	8	3729-08013IXS 67.95	---
	10	3729-10013IXS 184.01	---
	12	3729-12013IXS 200.19	---

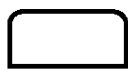
IPS X SEWER ADAPTER (Soc x Soc)

	4	3729-040IXS 28.60	---
	6	3729-060IXS 52.26	---
	8	3729-080IXS 83.97	---
	10	3729-100IXS 135.78	---
	12	3729-120IXS 200.96	---

IPS X SEWER ADAPTER (Spig x Soc)

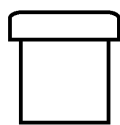
	4	3729-04031IXS 21.83	---
	6	3729-06031IXS 50.55	---
	8	3729-08031IXS 82.79	---
	10	3729-10031IXS 128.89	---
	12	3729-12031IXS 191.43	---

CAP (Soc)

	10	3747-100* 111.14	3947-100 217.02
	12	3747-120* 140.35	3947-120 375.72
	14	3747-140* 238.65	3947-140 426.11
	16	3747-160 305.50	3947-160 562.40
	18	3747-180 338.04	3947-180 738.89
	20	3747-200 595.44	3947-200 853.85
	24	3747-240 880.17	3947-240 990.76

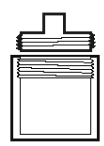
	Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
		Part Number Price Each	Part Number Price Each

SPIGOT PLUG (Spigot)

	6	3749-060 42.96	3949-060 129.93
	8	3749-080 109.73	3949-080 219.30
	10	3749-100 125.14	3949-100 277.26
	12	3749-120 179.37	3949-120 441.46
	14	3749-140 304.32	---
	16	3749-160 370.82	3949-160 642.16

CLEANOUT ADAPTER WITH PLUG (Spig x Cleanout)

SOLD AS SET ONLY (Non-Pressure Rated)

	2	---	3978-020* 91.80
	3	---	3978-030* 117.61
	4	---	3978-040* 147.80
	5	---	3978-050* 157.11
	6	---	3978-060* 166.44
	8	---	3978-080* 264.76
	10	---	3978-100* 442.16
	12	---	3978-120* 617.33
	14	---	3978-140* 765.54
	16	---	3978-160* 1505.70
	18	---	3978-180* 1802.96
	24	---	3978-240* 2215.60

* HDPE Plug



CTS CPVC Hot & Cold Water Distribution System EverTUFF® CPVC CTS Fittings, Valves & Pipe

PRODUCT INFORMATION

APPLICATION

Spears® Copper Tube Size (CTS) fittings are manufactured from chlorinated polyvinyl chloride (CPVC) for use with SDR-11 piping systems of CTS outside diameter in hot and cold water distribution systems. Check state and local codes for application and restrictions.

CONFORMANCE STANDARDS

Spears® CPVC CTS fittings conform to ASTM D 2846 Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems.

WORKING PRESSURE

Spears® CPVC CTS fittings have a continuous working pressure rating of 100 psi at 180°F (82°C) [400 psi at 73°F (23°C)].

PRODUCT CERTIFICATION

Spears® CPVC CTS fittings and Special Reinforced (SR) Thread transition adapters are tested and certified by the National Sanitation Foundation (NSF®) to ASTM D 2846 for use in Hot and Cold Water Distribution Systems, and for safe use in potable water systems under NSF® Standard 14/61.

TESTING

Once the system has been installed and allowed to cure properly, the system shall be tested in accordance with applicable code requirements. When testing with water (hydrostatic testing), the system must be slowly filled with water and the air bled from the highest and furthest points in the system before test pressure is applied. Failure to do so can cause damage to the piping system and could be harmful to the job site personnel should a failure occur. If a leak is found, the affected product must be cut out and discarded. A new section can be installed using couplings or other approved means.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

TEE

Socket x Socket x Socket



4101-005	1/2	25	300	035	1.48
4101-007	3/4	25	200	035	2.77
4101-010	1	10	120	035	14.54
4101-012	1-1/4	10	80	035	22.31
4101-015	1-1/2	5	40	035	29.06
4101-020	2	5	0	035	46.98

DROP EAR TEE (Fitting with Bracket)

Socket x Socket x Socket



DE4101-005	1/2	25	150	035	3.15
------------	-----	----	-----	-----	------

DROP EAR BRACKET ONLY

For 4101-005 and 4106-005



DES-005	1/2	800	0	035	5.86
---------	-----	-----	---	-----	------

REDUCING TEE

Socket x Socket x Socket



4101-074	1/2X1/2X3/4	25	300	035	5.15
4101-094	3/4X1/2X1/2	25	300	035	2.76
4101-095	3/4X1/2X3/4	25	300	035	2.76
4101-101	3/4X3/4X1/2	25	300	035	2.86
4101-102	3/4X3/4X1	10	60	035	32.08
4101-120	1X1/2X1/2	10	120	035	34.57
4101-121	1X1/2X3/4	10	120	035	33.99
4101-122	1X1/2X1	10	120	035	26.14
4101-124	1X3/4X1/2	10	120	035	32.57
4101-125	1X3/4X3/4	10	120	035	17.63
4101-126	1X3/4X1	10	120	035	24.44
4101-130	1X1X1/2	10	120	035	16.52
4101-131	1X1X3/4	10	120	035	15.76
4101-138	1-1/4X1/2X1/2	10	80	035	43.07
4101-139	1-1/4X1/2X3/4	10	80	035	43.07
4101-142	1-1/4X1/2X1-1/4	10	80	035	38.15
4101-146	1-1/4X3/4X1/2	10	80	035	43.07
4101-147	1-1/4X3/4X3/4	10	80	035	43.07
4101-148	1-1/4X3/4X1	10	80	035	43.07
4101-149	1-1/4X3/4X1-1/4	10	80	035	43.07
4101-156	1-1/4X1X1/2	10	80	035	43.07
4101-157	1-1/4X1X3/4	10	80	035	43.07
4101-158	1-1/4X1X1	10	80	035	43.07
4101-159	1-1/4X1X1-1/4	10	80	035	38.15
4101-166	1-1/4X1-1/4X1/2	10	80	035	39.30
4101-167	1-1/4X1-1/4X3/4	10	80	035	39.30
4101-168	1-1/4X1	10	40	035	35.86
4101-169	1-1/4X1-1/4X1-1/2	5	40	035	53.53
4101-173	1-1/2X1/2X1/2	5	40	035	53.53
4101-174	1-1/2X1/2X3/4	5	40	035	53.53

REDUCING TEE (continued)

Socket x Socket x Socket

4101-175	1-1/2X1/2X1	5	40	035	53.53
4101-176	1-1/2X1/2X1-1/4	5	40	035	53.53
4101-177	1-1/2X1/2X1-1/2	5	40	035	38.15
4101-182	1-1/2X3/4X1/2	5	40	035	53.53
4101-184	1-1/2X3/4X3/4	5	40	035	53.53
4101-185	1-1/2X3/4X1	5	40	035	53.53
4101-186	1-1/2X3/4X1-1/4	5	40	035	53.53
4101-188	1-1/2X3/4X1-1/2	5	40	035	38.15
4101-193	1-1/2X1X1/2	5	40	035	53.53
4101-194	1-1/2X1X3/4	5	40	035	53.53
4101-195	1-1/2X1X1	5	40	035	35.86
4101-196	1-1/2X1X1-1/4	5	40	035	50.84
4101-197	1-1/2X1X1-1/2	5	40	035	38.15
4101-199	1-1/2X1-1/4X1/2	5	40	035	53.53
4101-201	1-1/2X1-1/4X3/4	5	40	035	53.53
4101-202	1-1/2X1-1/4X1	5	40	035	53.53
4101-203	1-1/2X1-1/4X1-1/4	5	40	035	53.53
4101-204	1-1/2X1-1/4X1-1/2	5	40	035	38.15
4101-209	1-1/2X1-1/2X1/2	5	30	035	38.15
4101-210	1-1/2X1-1/2X3/4	5	30	035	39.18
4101-211	1-1/2X1	10	30	035	41.99
4101-212	1-1/2X1-1/2X1-1/4	5	40	035	38.15
4101-213	1-1/2X1-1/2X2	5	0	035	94.20
4101-216	2X1/2X1/2	5	0	035	94.20
4101-217	2X1/2X3/4	5	0	035	94.20
4101-218	2X1/2X1	5	0	035	94.20
4101-219	2X1/2X1-1/4	5	0	035	94.20
4101-220	2X1/2X1-1/2	5	0	035	94.20
4101-221	2X1/2X2	5	0	035	75.23
4101-222	2X3/4X1/2	5	0	035	94.20
4101-223	2X3/4X3/4	5	0	035	94.20
4101-224	2X3/4X1	5	0	035	94.20
4101-225	2X3/4X1-1/4	5	0	035	94.20
4101-226	2X3/4X1-1/2	5	0	035	94.20
4101-227	2X3/4X2	5	0	035	75.23
4101-228	2X1X1/2	5	0	035	94.20
4101-229	2X1X3/4	5	0	035	94.20
4101-230	2X1X1	5	0	035	94.20
4101-231	2X1X1-1/4	5	0	035	94.20
4101-232	2X1X1-1/2	5	0	035	94.20
4101-233	2X1X2	5	0	035	75.23
4101-234	2X1-1/4X1/2	5	0	035	94.20
4101-235	2X1-1/4X3/4	5	0	035	94.20
4101-236	2X1-1/4X1	5	0	035	94.20
4101-237	2X1-1/2X1/2	5	0	035	94.20
4101-238	2X1-1/2X3/4	5	0	035	94.20
4101-239	2X1-1/2X1	5	0	035	94.20
4101-240	2X1-1/2X1-1/4	5	0	035	94.20
4101-241	2X1-1/2X1-1/2	5	0	035	94.20
4101-242	2X1-1/4X1-1/4	5	0	035	94.20
4101-243	2X1-1/4X1-1/2	5	0	035	94.20
4101-244	2X1-1/4X2	5	0	035	75.23
4101-247	2X2X1/2	10	0	035	55.57

CTS CPVC Hot & Cold Water Distribution System
EverTUFF® CPVC CTS Fittings, Valves & Pipe



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

REDUCING TEE (continued)

Socket x Socket x Socket

4101-248'	2X2X3/4	5	40	035	49.75
4101-249	2X1	5	15	035	47.14
4101-250'	2X2X1-1/4	5	0	035	47.14
4101-251	2X2X1-1/2	5	15	035	50.30
4101-257'	2X1-1/2X2	5	0	035	50.30

* Outlet sized with bushing.

90° ELL

Socket x Socket



4106-005	1/2	25	600	035	1.15
4106-007	3/4	25	300	035	1.90
4106-010	1	10	150	035	5.55
4106-012	1-1/4	10	80	035	11.05
4106-015	1-1/2	10	80	035	19.94
4106-020	2	5	30	035	38.24

REDUCING 90° ELL

Socket x Socket



4106-101	3/4X1/2	25	300	035	4.00
4106-130'	1X1/2	25	200	035	14.07
4106-131'	1X3/4	25	200	035	14.07
4106-167'	1-1/4X3/4	10	80	035	21.66
4106-168'	1-1/4X1	10	80	035	21.66
4106-209'	1-1/2X1/2	10	0	035	30.00
4106-210'	1-1/2X3/4	10	0	035	30.00
4106-211'	1-1/2X1	10	0	035	30.00
4106-212'	1-1/2X1-1/4	10	0	035	30.00
4106-247'	2X1/2	5	30	035	66.65
4106-248'	2X3/4	5	30	035	66.65
4106-249'	2X1	5	30	035	66.65
4106-250'	2X1-1/4	5	30	035	66.65
4106-251'	2X1-1/2	5	30	035	66.65

* Outlet sized with bushing.

SPECIAL REINFORCED 90° ELL

Socket x SR Fipt - Stainless Steel Collar



4107-005SR	1/2	50	300	035	8.56
------------	-----	----	-----	-----	------

**ZINC DROP EAR REINFORCED CTS 90° ELL
(One Piece Unit)**

Socket x SR Fipt - Zinc Collar



DEZ4107-005SR	1/2	10	150	035	19.25
---------------	-----	----	-----	-----	-------

DROP EAR 90° ELL (Fitting with Bracket)

Socket x Socket



DE4106-005	1/2	25	150	035	3.44
------------	-----	----	-----	-----	------

DROP EAR BRACKET ONLY

For 4101-005 and 4106-005



DES-005	1/2	800	0	035	5.86
---------	-----	-----	---	-----	------

**DROP EAR SPECIAL REINFORCED 90° ELL
(Fitting Plus Bracket)**

Socket x SR Fipt - Stainless Steel Collar



DE4107-005SR	1/2	10	200	035	13.23
--------------	-----	----	-----	-----	-------

DROP EAR BRACKET ONLY

For 4107-005SR



DET-005	1/2	400	0	035	5.86
---------	-----	-----	---	-----	------

90° STREET ELL

Spigot x Socket



4109-005	1/2	25	500	035	1.36
4109-007	3/4	25	300	035	2.13
4109-010	1	10	100	035	9.74

45° ELL

Socket x Socket



4117-005	1/2	25	500	035	1.46
4117-007	3/4	25	300	035	2.53
4117-010	1	10	100	035	6.43
4117-012	1-1/4	10	120	035	13.62
4117-015	1-1/2	10	80	035	19.74
4117-020	2	10	0	035	41.33

45° STREET ELL

Spigot x Socket



4127-005	1/2	25	600	035	3.10
4127-007	3/4	25	400	035	4.15
4127-010	1	10	150	035	11.93

COUPLING

Socket x Socket



4129-005	1/2	25	600	035	.95
4129-007	3/4	25	300	035	1.25
4129-010	1	10	250	035	5.64
4129-012	1-1/4	10	120	035	7.29
4129-015	1-1/2	10	120	035	10.30
4129-020	2	10	0	035	19.61

REDUCER COUPLING

Socket x Socket



4129-101	3/4X1/2	25	300	035	2.01
4129-130	1X1/2	25	150	035	11.89
4129-131	1X3/4	25	150	035	6.44
4129-166'	1-1/4X1/2	10	120	035	14.91
4129-167'	1-1/4X3/4	10	120	035	14.91
4129-168'	1-1/4X1	10	120	035	21.21
4129-209'	1-1/2X1/2	10	80	035	20.22
4129-210'	1-1/2X3/4	10	80	035	20.22
4129-211'	1-1/2X1	10	80	035	20.22
4129-212'	1-1/2X1-1/4	10	80	035	20.22
4129-247'	2X1/2	10	0	035	43.79
4129-248'	2X3/4	10	0	035	43.79
4129-249	2X1	10	0	035	43.79
4129-250'	2X1-1/4	10	0	035	43.79
4129-251'	2X1-1/2	10	0	035	43.79

* Outlet sized with bushing.

FEMALE ADAPTER with Gasket

Socket x NPSC



For Cold Water Service Only

4135-005OR	1/2	25	200	035	4.47
4135-007OR	3/4	25	300	035	6.35



CTS CPVC Hot & Cold Water Distribution System EverTUFF® CPVC CTS Fittings, Valves & Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

FEMALE ADAPTER with Gasket (continued)

Socket x NPSC

4135-010OR	1	5	100	035	7.24
------------	---	---	-----	-----	------

GASKET SEALED BRASS THREAD TRANSITION FEMALE ADAPTER

Socket x Gasket FPT - Use NO Thread Sealant

NSF Certified Lead Free

4135-005BRG	1/2	25	150	035	38.20
4135-007BRG	3/4	25	150	035	42.07
4135-010BRG	1	15	90	035	125.49
4135-012BRG	1-1/4	15	60	035	238.42
4135-015BRG	1-1/2	10	40	035	310.76
4135-020BRG	2	8	32	035	456.90



GASKET SEALED BRASS THREAD TRANSITION REDUCING FEMALE ADAPTER

Socket x Gasket FPT - Use NO Thread Sealant

NSF Certified Lead Free

4135-101BRG	3/4X1/2	25	150	035	41.58
4135-130BRG	1X1/2	50	0	035	65.69



SPECIAL REINFORCED FEMALE ADAPTER

Socket x SR Fipt - Stainless Steel Collar

4135-005SR	1/2	25	200	035	6.61
4135-007SR	3/4	25	300	035	7.27
4135-010SR	1	5	100	035	9.22



SPECIAL REINFORCED REDUCING FEMALE ADAPTER

Socket x SR Fipt - Stainless Steel Collar

4135-131SR	1X3/4	25	150	035	14.52
------------	-------	----	-----	-----	-------



MALE ADAPTER

Mipt x Socket

For Cold Water Service Only

4136-005	1/2	25	600	035	1.20
4136-007	3/4	25	300	035	2.04
4136-010	1	10	250	035	9.65
4136-012	1-1/4	25	200	035	14.95
4136-015	1-1/2	10	80	035	18.44
4136-020	2	10	80	035	30.40



REDUCING MALE ADAPTER

Mipt x Socket

For Cold Water Service Only

4136-074	1/2X3/4	25	600	035	4.37
4136-101	3/4X1/2	25	600	035	4.68



MALE ADAPTER

Mipt x Spigot

For Cold Water Service Only

4161-005	1/2	50	700	035	3.71
----------	-----	----	-----	-----	------



REINFORCED MALE ADAPTER (Internal Stainless Steel Reinforced)

R Mipt x Socket - Stainless Steel Sleeve

4136-005R	1/2	25	300	035	8.48
4136-007R	3/4	25	300	035	9.43
4136-010R	1	10	120	035	14.05



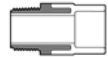
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

TRANSITION MALE ADAPTER w/BRASS THREAD

Brass Mipt x Socket

NSF Certified Lead Free

4136-005BR	1/2	60	360	035	38.20
4136-007BR	3/4	40	160	035	42.07
4136-010BR	1	10	60	035	125.49
4136-012BR	1-1/4	10	60	035	154.77
4136-015BR	1-1/2	10	40	035	204.31
4136-020BR	2	8	32	035	339.62



REDUCER BUSHING

Spigot x Socket

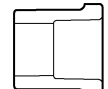
4137-101	3/4X1/2	25	600	035	1.43
4137-130	1X1/2	10	300	035	4.70
4137-131	1X3/4	10	400	035	4.70
4137-166	1-1/4X1/2	10	120	035	6.52
4137-167	1-1/4X3/4	10	300	035	6.10
4137-168	1-1/4X1	10	300	035	5.33
4137-209	1-1/2X1/2	25	100	035	7.67
4137-210	1-1/2X3/4	25	100	035	7.67
4137-211	1-1/2X1	10	120	035	7.52
4137-212	1-1/2X1-1/4	10	200	035	7.52
4137-247	2X1/2	10	60	035	18.20
4137-248	2X3/4	10	60	035	16.99
4137-249	2X1	10	60	035	16.99
4137-250	2X1-1/4	10	120	035	18.20
4137-251	2X1-1/2	10	120	035	16.99



TRANSITION BUSHING

IPS Spigot x CTS Socket

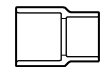
4140-005	1/2	10	600	035	6.08
4140-007	3/4	10	600	035	6.35
4140-010	1	10	400	035	7.01
4140-012	1-1/4	10	60	035	8.68
4140-015	1-1/2	10	60	035	10.94
4140-020	2	10	60	035	11.93



TRANSITION COUPLING

IPS Socket x CTS Socket

4141-007	3/4	25	300	035	4.14
4141-010	1	10	150	035	7.31



CAP

Socket

4147-005	1/2	25	600	035	1.04
4147-007	3/4	25	300	035	1.32
4147-010	1	10	400	035	4.82
4147-012	1-1/4	10	120	035	6.62
4147-015	1-1/2	10	120	035	10.18
4147-020	2	10	80	035	20.55



CTS Union

Socket with EPDM O-ring Seal

100 psi Maximum Internal Pressure @ 180°F (82°C)

4197-005	1/2	25	150	035	13.54
4197-007	3/4	10	60	035	20.61
4197-010	1	10	60	035	26.60



CTS CPVC Hot & Cold Water Distribution System EverTUFF® CPVC CTS Fittings, Valves & Pipe



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

1/4-Turn Angle Supply Stop

Socket x NPT



100 psi @ 180°F (82°C)

1/2" & 3/8" Male Thread for Connection to Female Flexible Supply Line

7722-005	1/2	50	400	217	15.61
7722-073	1/2X3/8	50	400	217	15.61

1/4-Turn Angle Supply Stop

SR FPT x NPT



100 psi @ 180°F (82°C)

1/2" & 3/8" Male Thread for Connection to Female Flexible Supply Line

7721-005SR	1/2	50	400	217	38.66
7721-073SR	1/2X3/8	50	400	217	38.66

CPVC CTS Ball Valves

Socket with EPDM O-ring Seal



100 psi Maximum Internal Pressure @ 180°F (82°C)

1922-005	1/2	50	200	217	31.72
1922-007	3/4	25	0	217	37.50
1922-010	1	25	0	217	43.25
1922-012	1-1/4	20	0	217	67.15
1922-015	1-1/2	20	0	217	96.84
1922-020	2	8	0	217	124.06

For additional valve information, please refer to Spears® Thermoplastic Valves & Accessories Product Guide & Engineering Specifications V-4.

CPVC CTS Pipe - SDR 11

10' Lengths, Price Per Foot



List Price Per Foot

CTS-005	1/2	500	0	034	.87
CTS-007	3/4	250	0	034	1.57
CTS-010	1	150	0	034	3.22
CTS-012	1-1/4	100	0	034	4.78
CTS-015	1-1/2	100	0	034	6.34
CTS-020	2	50	0	034	10.73

- Pipe sold in bag quantities only - no broken bags
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

CPVC CTS PIPE WEIGHTS:

CTS-005 Weight per Foot .090 lbs; per Bag Weight 45 lbs.
CTS-007 Weight per Foot .149 lbs; per Bag Weight 37.25 lbs.
CTS-010 Weight per Foot .239 lbs; per Bag Weight 35.85 lbs.
CTS-012 Weight per Foot .353 lbs; per Bag Weight 35.3 lbs.
CTS-015 Weight per Foot .489 lbs; per Bag Weight 48.9 lbs.
CTS-020 Weight per Foot .810 lbs; per Bag Weight 40.5 lbs.

CPVC CTS Pipe - SDR 11

20' Lengths, Price Per Foot



List Price Per Foot

CTS-005-20	1/2	1000	0	034	.87
CTS-007-20	3/4	500	0	034	1.57
CTS-010-20	1	300	0	034	3.22
CTS-012-20	1-1/4	200	0	034	4.78
CTS-015-20	1-1/2	200	0	034	6.34
CTS-020-20	2	100	0	034	10.73

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC CTS Pipe - SDR 11 (continued)

20' Lengths, Price Per Foot

- Pipe sold in bag quantities only - no broken bags
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

CPVC CTS PIPE WEIGHTS:

CTS-005 Weight per Foot .090 lbs; per Bag Weight 90 lbs.
CTS-007 Weight per Foot .149 lbs; per Bag Weight 74.5 lbs.
CTS-010 Weight per Foot .239 lbs; per Bag Weight 71.7 lbs.
CTS-012 Weight per Foot .353 lbs; per Bag Weight 70.6 lbs.
CTS-015 Weight per Foot .489 lbs; per Bag Weight 97.8 lbs.
CTS-020 Weight per Foot .830 lbs; per Bag Weight 83 lbs.

CPVC CTS Coiled Pipe - SDR 11

100 ft. Coil, Price Per Foot



List Price Per Foot

CTS-005-100	1/2	100	0	034	1.03
CTS-007-100	3/4	100	0	034	1.86
CTS-010-100	1	100	0	034	3.67

- Pipe sold in coil quantities only - no broken coils
- No return on Coiled Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

CPVC CTS COILED PIPE WEIGHTS:

CTS-005-100 Weight per Foot .090 lbs; per Coil Weight 9 lbs.
CTS-007-100 Weight per Foot .149 lbs; per Coil Weight 14.9 lbs.
CTS-010-100 Weight per Foot .239 lbs; per Coil Weight 23.9 lbs.

WARNING:

Banded coils will expand when opened. Exercise caution to avoid injury during banding removal.

CTS TUBING STRAPS

Std Pk Bag of 25 For Anchoring CTS Pipe



Sold in Full Bag Quantity Only

556A	1/2	25	500	901	.89
556B	3/4	25	500	901	.89

CTS TUBE TALON with NAIL

Std Pk Bag Quantities as Specified. For Anchoring CTS Pipe



Sold in Full Bag Quantity Only

555A	1/2	100	1000	901	.99
555B	3/4	100	1000	901	1.50
555C	1	50	500	901	4.22

EverTUFF® CTS One Step CPVC Solvent Cement



CTS5-005	1/4 Pint	24	0	701	8.05
CTS5-010	1/2 Pint	24	0	701	12.80
CTS5-020	Pint	12	0	701	20.75
CTS5-030	Quart	12	0	701	36.10

Cap Daubers



DHP-38	3/8" for 1/2 Pint	50	0	710	1.10
DHP-50	1/2" for 1/2 Pint	50	0	710	1.10
DHP-75	3/4" for 1/2 Pint	50	0	710	1.17



CTS CPVC Hot & Cold Water Distribution System
EverTUFF® CPVC CTS Fittings, Valves & Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Cap Daubers (continued)

DP-50	1/2" for Pint	50	0	710	1.10
DP-75	3/4" for Pint	50	0	710	1.17
DP-125	1-1/4" for Pint	50	0	710	1.41
DQ-50	1/2" for Quart	50	0	710	1.10
DQ-75	3/4" for Quart	50	0	710	1.10
DQ-125	1-1/4" for Quart	50	0	710	1.41

3/8" Diameter for pipe sizes to 3/4"

1/2" Diameter for pipe sizes to 1"

3/4" Diameter for pipe size to 1-1/2"

1-1/4" Diameter for pipe size 1-1/2" to 3"

Can-Mate Daubers

Adjustable Plastic Applicator with Telescoping Stem for
use with Standard 1/2 Pint, Pint and Quart Cans



CM-50	1/2"	50	0	710	4.70
CM-75	3/4"	50	0	710	4.70
CM-150	1-1/4"	50	0	710	4.70

1/2" Diameter for pipe sizes to 1"

3/4" Diameter for pipe size to 1-1/2"

1-1/4" Diameter for pipe size 1-1/2" to 3"

Deburring Tool

Cone Type for pipe from 1/2" through 2"



DEB-2	1/2 to 2 Pipe	1	6	710	87.25
-------	----------------------	---	---	-----	-------

High Purity PVC System
Low-Extractable Piping For Ultra-Pure Water Systems



Spears® Low-Extractable SCHEDULE 80 PIPE

NOMINAL PIPE SIZE	PART NUMBER	AVG. OD	AVG. ID	MIN. WALL	MAX. W.P. PSI*	LBS/FT	LGTHS/ CARTONS
1/2"	LXT-005	.840	.528	.147	420	.202	22
3/4"	LXT-007	1.050	.724	.154	340	.273	22
1"	LXT-010	1.315	.935	.179	320	.402	18
1-1/4"	LXT-012	1.660	1.256	.191	260	.554	14
1-1/2"	LXT-015	1.900	1.476	.200	240	.673	11
2"	LXT-020	2.375	1.913	.218	200	.932	8
3"	LXT-030	3.500	2.864	.300	190	1.903	5
4"	LXT-040	4.500	3.786	.337	160	2.782	2
6"	LXT-060	6.625	5.709	.432	140	5.313	1

* PSI water, non-shock @ 73°F (23°C) with solvent welded connections.
Standard Length - 15 feet. All pipe is double-bagged and boxed on-line for high purity environments.



High Purity PVC System Low-Extractable Piping For Ultra-Pure Water Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Spears® Low-Extractable Schedule 80 Pipe 15' Lengths, Price Per Foot

List Price Per Foot

LXT-005	1/2	300	0	064	4.57
LXT-007	3/4	255	0	064	6.19
LXT-010	1	150	0	064	9.12
LXT-012	1-1/4	120	0	064	12.62
LXT-015	1-1/2	105	0	064	15.27
LXT-020	2	75	0	064	21.18
LXT-030	3	45	0	064	43.20
LXT-040	4	30	0	064	63.15
LXT-060	6	15	0	064	146.40

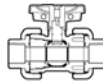
See Spears® Low-Extractable Schedule 80 Pipe Chart for additional information.

Spears® True Union 2000 Industrial Ball Valves w/Handle Lockout & Safe-T-Block™

Design

EPDM O-ring

1829-005BL	1/2	1	18	066	88.87
1829-007BL	3/4	1	18	066	108.91
1829-010BL	1	1	12	066	138.17
1829-012BL	1-1/4	1	8	066	183.15
1829-015BL	1-1/2	1	8	066	239.51
1829-020BL	2	1	4	066	338.14
1822-030BL	3	1	0	066	625.70
1822-040BL	4	1	0	066	1057.79
1822-060BL	6	1	0	066	1929.60

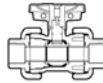


Spears® True Union 2000 Industrial Ball Valves w/Handle Lockout & Safe-T-Block™

Design

Viton® O-rings

1839-005BL	1/2	1	18	066	103.79
1839-007BL	3/4	1	18	066	122.77
1839-010BL	1	1	12	066	166.33
1839-012BL	1-1/4	1	8	066	232.05
1839-015BL	1-1/2	1	8	066	303.89
1839-020BL	2	1	4	066	397.76
1832-030BL	3	1	0	066	773.04
1832-040BL	4	1	0	066	1306.13
1832-060BL	6	1	0	066	2163.51



Spears® True Union 2000 Industrial T-Style Ball Valve

EPDM

Safe-T-Block™ Design

182901-005BL	1/2	1	12	066	339.95
182901-007BL	3/4	1	8	066	371.46
182901-010BL	1	1	8	066	314.64
182901-012BL	1-1/4	1	0	066	350.97
182901-015BL	1-1/2	1	0	066	363.66
182901-020BL	2	1	0	066	388.50
182901-101BL	3/4X1/2	1	12	066	345.54
182901-130BL	1X1/2	1	8	066	358.49
182901-131BL	1X3/4	1	8	066	378.47
182901-166BL	1-1/4X1/2	1	8	066	383.50
182901-167BL	1-1/4X3/4	1	8	066	385.48
182901-168BL	1-1/4X1	1	8	066	441.86
182901-209BL	1-1/2X1/2	1	8	066	430.73
182901-210BL	1-1/2X3/4	1	8	066	385.48
182901-211BL	1-1/2X1	1	8	066	458.52
182901-247BL	2X1/2	1	8	066	491.86
182901-248BL	2X3/4	1	8	066	530.73
182901-249BL	2X1	1	8	066	558.56
182901-251BL	2X1-1/2	1	8	066	579.06
182901-333BL	3X1/2	1	0	066	647.51



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Spears® True Union 2000 Industrial T-Style Ball Valve (continued)

EPDM

182901-335BL	3X1	1	0	066	806.22
182901-337BL	3X1-1/2	1	0	066	772.53
182901-338BL	3X2	1	0	066	847.59
182901-417BL	4X1	1	0	066	833.68
182901-419BL	4X1-1/2	1	0	066	928.18
182901-420BL	4X2	1	0	066	1106.01
182901-528BL	6X2	1	0	066	1444.63
182901-578BL	8X2	1	0	066	2131.46

Includes Plugged end with additional Socket and Threaded end connectors.

Spears® True Union 2000 Industrial T-Style Ball Valve

Viton®

Safe-T-Block™ Design

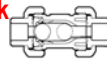
183901-005BL	1/2	1	12	066	355.96
183901-007BL	3/4	1	8	066	389.84
183901-010BL	1	1	8	066	406.04
183901-015BL	1-1/2	1	0	066	419.47
183901-020BL	2	1	4	066	477.63
183901-101BL	3/4X1/2	1	12	066	361.57
183901-130BL	1X1/2	1	8	066	374.52
183901-131BL	1X3/4	1	8	066	396.85
183901-166BL	1-1/4X1/2	1	8	066	399.52
183901-167BL	1-1/4X3/4	1	8	066	403.86
183901-168BL	1-1/4X1	1	8	066	469.44
183901-209BL	1-1/2X1/2	1	8	066	399.52
183901-210BL	1-1/2X3/4	1	8	066	403.86
183901-211BL	1-1/2X1	1	8	066	469.44
183901-247BL	2X1/2	1	8	066	507.91
183901-248BL	2X3/4	1	8	066	549.12
183901-249BL	2X1	1	8	066	586.15
183901-251BL	2X1-1/2	1	8	066	690.26
183901-333BL	3X1/2	1	0	066	663.52
183901-335BL	3X1	1	0	066	705.66
183901-337BL	3X1-1/2	1	0	066	806.97
183901-338BL	3X2	1	0	066	911.69
183901-417BL	4X1	1	0	066	861.27
183901-419BL	4X1-1/2	1	0	066	962.59
183901-420BL	4X2	1	0	066	1170.15
183901-528BL	6X2	1	0	066	1508.76
183901-578BL	8X2	1	0	066	2195.57

Includes Plugged end with additional Socket and Threaded end connectors.

Spears® True Union 2000 Industrial Ball Check Valves

EPDM O-rings

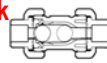
4529-005BL	1/2	1	18	066	130.07
4529-007BL	3/4	1	18	066	157.15
4529-010BL	1	1	18	066	179.90
4529-012BL	1-1/4	1	12	066	318.63
4529-015BL	1-1/2	1	8	066	337.06
4529-020BL	2	1	8	066	563.57
4522-030BL	3	1	0	066	791.18
4522-040BL	4	1	0	066	1484.14



Spears® True Union 2000 Industrial Ball Check Valves

Viton® O-rings

4539-005BL	1/2	1	18	066	144.15
4539-007BL	3/4	1	18	066	173.40
4539-010BL	1	1	18	066	195.28
4539-012BL	1-1/4	1	12	066	330.54
4539-015BL	1-1/2	1	8	066	357.83
4539-020BL	2	1	8	066	585.26



High Purity PVC System Low-Extractable Piping For Ultra-Pure Water Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

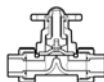
Spears® True Union 2000 Industrial Ball Check Valves (continued)

Viton® O-rings

4532-030BL	3	1	0	066	842.69
4532-040BL	4	1	0	066	1563.68

Spears® Diaphragm Valves

EPDM O-ring Seals EPDM Backed PTFE Diaphragm



2729T-005BL	1/2	1	12	066	245.28
2729T-007BL	3/4	1	8	066	263.52
2729T-010BL	1	1	8	066	308.02
2729T-012BL	1-1/4	1	4	066	416.39
2729T-015BL	1-1/2	1	4	066	505.38
2729T-020BL	2	1	0	066	663.96

Note: Both socket and threaded end connectors are provided with valve sizes 1/2" -2" Diaphragm valves. Valves carry a maximum pressure rating of 150 psi for water, non-shock, @ 73°F (23°C).

Spears® Needle Valve

Globe Pattern - FIPT

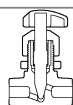


5591-002BL	1/4	1	18	066	118.64
5591-003BL	3/8	1	18	066	118.64

Replaceable PTFE Stem Seal - no elastomer or lubricants used. Needle valves carry a maximum internal pressure rating of 235 psi at 73°F (23°C).

Spears® Needle Valve

Globe Pattern - Soc

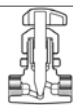


5592-002BL	1/4	1	18	066	118.64
5592-003BL	3/8	1	18	066	118.64
5592-005BL	1/2	1	18	066	123.45

Replaceable PTFE Stem Seal - no elastomer or lubricants used. Needle valves carry a maximum internal pressure rating of 235 psi at 73°F (23°C).

Spears® Needle Valve

Globe Pattern - SR FIPT

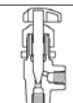


5591-005BLSR	1/2	1	18	066	125.94
--------------	-----	---	----	-----	--------

Replaceable PTFE Stem Seal - no elastomer or lubricants used. Needle valves carry a maximum internal pressure rating of 235 psi at 73°F (23°C).

Spears® Needle Valve

Angle Pattern - FIPT

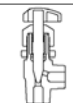


5691-002BL	1/4	1	18	066	118.64
5691-003BL	3/8	1	18	066	118.64

Replaceable PTFE Stem Seal - no elastomer or lubricants used. Needle valves carry a maximum internal pressure rating of 235 psi at 73°F (23°C).

Spears® Needle Valve

Angle Pattern - Soc



5692-002BL	1/4	1	18	066	118.64
5692-003BL	3/8	1	18	066	118.64
5692-005BL	1/2	1	18	066	125.94

Replaceable PTFE Stem Seal - no elastomer or lubricants used. Needle valves carry a maximum internal pressure rating of 235 psi at 73°F (23°C).

Spears® Needle Valve

Angle Pattern - SR FIPT



5691-005BLSR	1/2	1	18	066	125.94
--------------	-----	---	----	-----	--------

Replaceable PTFE Stem Seal - no elastomer or lubricants used. Needle valves carry a maximum internal pressure rating of 235 psi at 73°F (23°C).

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Spears® Gauge Guards

PTFE Diaphragm 1/4" Inlet Connection



G0004-002BL	No Gauge	1	18	623	134.77
G30V4-002BL	0-30 in-Hg	1	18	623	208.44
G0154-002BL	0-15 psi	1	18	623	197.00
G0304-002BL	0-30 psi	1	18	623	197.00
G0604-002BL	0-60 psi	1	18	623	197.00
G1004-002BL	0-100 psi	1	18	623	197.00
G1604-002BL	0-160 psi	1	18	623	197.00
G2004-002BL	0-200 psi	1	18	623	197.00
G3004-002BL	0-300 psi	1	18	623	197.00

"No Gauge" designates Gauge Guard only, unfilled. Other units are pre-filled and factory assembled with gauge specified in Size column. Gauge Guards carry a maximum pressure rating to 235 psi @ 73°F (23°C) and full vacuum service on vacuum gauges. All inlet connections are Spears® patented Special Reinforced (SR) female plastic NPT thread.

Spears® Gauge Guards

PTFE Diaphragm 1/2" Inlet Connection



G0004-005BL	No Gauge	1	18	623	134.77
G30V4-005BL	0-30 in-Hg	1	18	623	208.44
G0154-005BL	0-15 psi	1	18	623	197.00
G0304-005BL	0-30 psi	1	18	623	197.00
G0604-005BL	0-60 psi	1	18	623	197.00
G1004-005BL	0-100 psi	1	18	623	197.00
G1604-005BL	0-160 psi	1	18	623	197.00
G2004-005BL	0-200 psi	1	18	623	197.00
G3004-005BL	0-300 psi	1	18	623	197.00

"No Gauge" designates Gauge Guard only, unfilled. Other units are pre-filled and factory assembled with gauge specified in Size column. Gauge Guards carry a maximum pressure rating to 235 psi @ 73°F (23°C) and full vacuum service on vacuum gauges. All inlet connections are Spears® patented Special Reinforced (SR) female plastic NPT thread.

Spears® Gauge Guards

Viton® Diaphragm 1/4" Inlet Connection



G0003-002BL	No Gauge	1	18	623	134.77
G30V3-002BL	0-30 in-Hg	1	18	623	208.44
G0153-002BL	0-15 psi	1	18	623	197.00
G0303-002BL	0-30 psi	1	18	623	197.00
G0603-002BL	0-60 psi	1	18	623	197.00
G1003-002BL	0-100 psi	1	18	623	197.00
G1603-002BL	0-160 psi	1	18	623	197.00
G2003-002BL	0-200 psi	1	18	623	197.00
G3003-002BL	0-300 psi	1	18	623	197.00

"No Gauge" designates Gauge Guard only, unfilled. Other units are pre-filled and factory assembled with gauge specified in Size column. Gauge Guards carry a maximum pressure rating to 235 psi @ 73°F (23°C) and full vacuum service on vacuum gauges. All inlet connections are Spears® patented Special Reinforced (SR) female plastic NPT thread.

Spears® Gauge Guards

Viton® Diaphragm 1/2" Inlet Connection



G0003-005BL	No Gauge	1	18	623	134.77
G30V3-005BL	0-30 in-Hg	1	18	623	208.44
G0153-005BL	0-15 psi	1	18	623	197.00
G0303-005BL	0-30 psi	1	18	623	197.00
G0603-005BL	0-60 psi	1	18	623	197.00
G1003-005BL	0-100 psi	1	18	623	197.00
G1603-005BL	0-160 psi	1	18	623	197.00
G2003-005BL	0-200 psi	1	18	623	197.00
G3003-005BL	0-300 psi	1	18	623	197.00



High Purity PVC System Low-Extractable Piping For Ultra-Pure Water Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Spears® Gauge Guards (continued)

Viton® Diaphragm 1/2" Inlet Connection

"No Gauge" designates Gauge Guard only, unfilled. Other units are pre-filled and factory assembled with gauge specified in Size column. Gauge Guards carry a maximum pressure rating to 235 psi @ 73°F (23°C) and full vacuum service on vacuum gauges. All inlet connections are Spears® patented Special Reinforced (SR) female plastic NPT thread.



Spears® Gauge Guards

EPDM Diaphragm 1/4" Inlet Connection

G0002-002BL	No Gauge	1	18	623	129.38
G30V2-002BL	0-30 in-Hg	1	18	623	200.10
G0152-002BL	0-15 psi	1	18	623	189.14
G0302-002BL	0-30 psi	1	18	623	189.14
G0602-002BL	0-60 psi	1	18	623	189.14
G1002-002BL	0-100 psi	1	18	623	189.14
G1602-002BL	0-160 psi	1	18	623	189.14
G2002-002BL	0-200 psi	1	18	623	189.14
G3002-002BL	0-300 psi	1	18	623	189.14

"No Gauge" designates Gauge Guard only, unfilled. Other units are pre-filled and factory assembled with gauge specified in Size column. Gauge Guards carry a maximum pressure rating to 235 psi @ 73°F (23°C) and full vacuum service on vacuum gauges. All inlet connections are Spears® patented Special Reinforced (SR) female plastic NPT thread.

Spears® Gauge Guards

EPDM Diaphragm 1/2" Inlet Connection



G0002-005BL	No Gauge	1	18	623	129.38
G30V2-005BL	0-30 in-Hg	1	18	623	200.10
G0152-005BL	0-15 psi	1	18	623	189.14
G0302-005BL	0-30 psi	1	18	623	189.14
G0602-005BL	0-60 psi	1	18	623	189.14
G1002-005BL	0-100 psi	1	18	623	189.14
G1602-005BL	0-160 psi	1	18	623	189.14
G2002-005BL	0-200 psi	1	18	623	189.14
G3002-005BL	0-300 psi	1	18	623	189.14

"No Gauge" designates Gauge Guard only, unfilled. Other units are pre-filled and factory assembled with gauge specified in Size column. Gauge Guards carry a maximum pressure rating to 235 psi @ 73°F (23°C) and full vacuum service on vacuum gauges. All inlet connections are Spears® patented Special Reinforced (SR) female plastic NPT thread.

LX-5 Low Extractable One-Step Cement



LX5C-020	Pint	12	0	702	30.32
LX5C-030	Quart	12	0	702	48.91



Empty Can

MT-654	Pint	12	0	710	6.61
MT-651	Quart	12	0	710	7.46
MT-653	Quart	12	0	710	7.46

MT-651 & MT-654 cans have 1-3/4" Screw Neck size
MT-653 is a TT Paint Type can



Brush

PB1	1	100	0	710	9.03
-----	---	-----	---	-----	------

Fits 1-3/4" Screw Cap



Roller

3020	3" length	24	0	710	14.32
------	-----------	----	---	-----	-------



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Roller (continued)

Fits Paint Type Quart Can (MT-653). For use with pipe sizes 3" to 6"



Cap Dauber

DP-75	3/4" for Pint	50	0	710	1.17
DP-125	1-1/4" for Pint	50	0	710	1.41
DQ-125	1-1/4" for Quart	50	0	710	1.41

1/2" Diameter for pipe sizes to 1"

3/4" Diameter for pipe size to 1-1/2"

1-1/4" Diameter for pipe size 1-1/2" to 3"



Can-Mate Dauber

CM-75	3/4"	50	0	710	4.70
CM-150	1-1/4"	50	0	710	4.70

1/2" Diameter for pipe sizes to 1"

3/4" Diameter for pipe size to 1-1/2"

1-1/4" Diameter for pipe size 1-1/2" to 3"

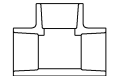


Deburring Tool

Cone Type for pipe from 1/2" through 2"

DEB-2	1/2 to 2 Pipe	1	6	710	87.25
-------	---------------	---	---	-----	-------

Tee Soc



801-005BL	1/2	25	0	065	6.91
801-007BL	3/4	15	120	065	8.44
801-010BL	1	15	0	065	12.44
801-012BL	1-1/4	10	0	065	19.38
801-015BL	1-1/2	10	0	065	29.10
801-020BL	2	10	0	065	46.20
801-030BL	3	5	0	065	133.48
801-040BL	4	5	0	065	223.18
801-060BL	6	4	0	065	334.78

Reducing Tee Soc



801-131BL	1X1X3/4	15	0	065	11.61
801-211BL	1-1/2X1-1/2X1	10	0	065	25.22
801-249BL	2X2X1	10	0	065	31.93
801-251BL	2X2X1-1/2	10	0	065	31.93
801-338BL	3X3X2	5	0	065	58.55
801-422BL	4X4X3	5	0	065	94.65
801-530BL	6X6X3	4	0	065	401.56
801-532BL	6X6X4	5	0	065	401.56

90° Ell Soc



806-005BL	1/2	20	160	065	4.28
806-007BL	3/4	20	160	065	5.12
806-010BL	1	10	80	065	10.15
806-012BL	1-1/4	10	0	065	16.20
806-015BL	1-1/2	10	0	065	23.97
806-020BL	2	25	0	065	40.49
806-030BL	3	5	0	065	103.83
806-040BL	4	5	0	065	191.66
806-060BL	6	4	0	065	287.49

High Purity PVC System Low-Extractable Piping For Ultra-Pure Water Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

90° Sweep Ell Soc



806-005SBL	1/2	25	100	065	6.11
806-007SBL	3/4	25	0	065	7.32
806-010SBL	1	25	0	065	14.50
806-012SBL	1-1/4	25	0	065	23.15
806-015SBL	1-1/2	25	0	065	34.22
806-020SBL	2	25	0	065	57.85

45° Ell Soc



817-005BL	1/2	20	240	065	6.85
817-007BL	3/4	10	120	065	9.37
817-010BL	1	15	120	065	11.24
817-012BL	1-1/4	10	0	065	19.54
817-015BL	1-1/2	10	0	065	21.67
817-020BL	2	10	0	065	34.22
817-030BL	3	5	0	065	128.74
817-040BL	4	5	0	065	187.80
817-060BL	6	5	0	065	281.70

Coupling Soc



829-005BL	1/2	25	300	065	3.09
829-007BL	3/4	15	180	065	3.54
829-010BL	1	15	120	065	6.52
829-012BL	1-1/4	10	80	065	9.83
829-015BL	1-1/2	10	0	065	20.27
829-020BL	2	10	0	065	29.10
829-030BL	3	5	0	065	47.34
829-040BL	4	5	0	065	86.12
829-060BL	6	4	0	065	182.83

Reducer Coupling Soc



829-101BL	3/4X1/2	50	0	065	8.23
829-131BL	1X3/4	25	200	065	11.99
829-168BL	1-1/4X1	25	0	065	24.35
829-211BL	1-1/2X1	25	0	065	25.54
829-212BL	1-1/2X1-1/4	25	0	065	31.55
829-249BL	2X1	10	0	065	28.80
829-251BL	2X1-1/2	10	0	065	28.80
829-338BL	3X2	8	0	065	70.67
829-420BL	4X2	4	0	065	134.74
829-422BL	4X3	4	0	065	129.67
829-532BL	6X4	4	0	065	496.94

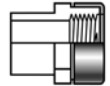
Special Reinforced Female Adapter Soc x SR Fipt



835-005SRBL	1/2	25	300	065	6.40
835-007SRBL	3/4	25	200	065	7.85
835-010SRBL	1	25	0	065	12.62
835-012SRBL	1-1/4	10	80	065	16.29
835-015SRBL	1-1/2	10	80	065	20.38
835-020SRBL	2	10	0	065	38.64
835-030SRBL	3	5	0	065	52.24
835-040SRBL	4	5	0	065	83.84

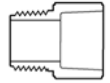
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Special Reinforced Reducing Spigot Female Adapter Spig x SR Fipt



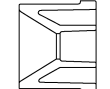
878-072SRBL	1/2X1/4	25	450	065	12.76
878-098SRBL	3/4X1/4	50	300	065	17.62
878-128SRBL	1X1/4	50	0	065	18.13

Male Adapter Mipt x Soc



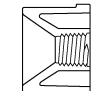
836-005BL	1/2	25	300	065	7.84
836-007BL	3/4	25	200	065	8.66
836-010BL	1	10	80	065	15.01
836-012BL	1-1/4	10	80	065	17.55
836-015BL	1-1/2	10	80	065	25.22
836-020BL	2	10	0	065	36.45
836-030BL	3	5	0	065	57.51
836-040BL	4	5	0	065	81.80

Reducer Bushing Flush Style Spig x Soc



837-101BL	3/4X1/2	50	0	065	4.66
837-130BL	1X1/2	50	0	065	6.88
837-131BL	1X3/4	50	0	065	6.88
837-166BL	1-1/4X1/2	25	200	065	9.76
837-168BL	1-1/4X1	25	200	065	9.76
837-210BL	1-1/2X3/4	25	0	065	13.28
837-211BL	1-1/2X1	25	200	065	13.28
837-212BL	1-1/2X1-1/4	25	200	065	13.28
837-249BL	2X1	10	80	065	18.96
837-251BL	2X1-1/2	10	80	065	18.96
837-338BL	3X2	10	0	065	52.12
837-422BL	4X3	6	0	065	90.22
837-532BL	6X4	5	0	065	143.34

Reducer Bushing Flush Style Spig x Fipt



838-072BL	1/2X1/4	50	400	065	5.97
838-073BL	1/2X3/8	50	600	065	5.97
838-098BL	3/4X1/4	50	0	065	3.94
838-101BL	3/4X1/2	50	0	065	3.94
838-129BL	1X3/8	50	400	065	6.21
838-130BL	1X1/2	50	0	065	6.21
838-131BL	1X3/4	50	0	065	6.21
838-210BL	1-1/2X3/4	25	200	065	16.31
838-211BL	1-1/2X1	25	200	065	16.31

Cap Soc



847-005BL	1/2	25	300	065	6.60
847-007BL	3/4	25	300	065	6.93
847-010BL	1	15	180	065	12.31
847-012BL	1-1/4	10	120	065	14.87
847-015BL	1-1/2	10	80	065	21.23
847-020BL	2	10	80	065	29.36
847-030BL	3	5	0	065	70.19
847-040BL	4	5	0	065	118.33
847-060BL	6	4	0	065	399.90



High Purity PVC System Low-Extractable Piping For Ultra-Pure Water Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Union

Soc x Soc EPDM O-ring Seals



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

897-005BL	1/2	10	60	065	11.81
897-007BL	3/4	10	40	065	14.82
897-010BL	1	10	40	065	19.38
897-012BL	1-1/4	5	20	065	27.95
897-015BL	1-1/2	5	0	065	38.22
897-020BL	2	5	0	065	57.62
8097-030BL	3	5	0	065	97.59
8097-040BL	4	4	0	065	135.03

Union

Soc x Soc Viton® O-ring Seals



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

857-005BL	1/2	10	60	065	14.50
857-007BL	3/4	10	40	065	17.69
857-010BL	1	10	40	065	24.52
857-012BL	1-1/4	5	20	065	33.09
857-015BL	1-1/2	5	0	065	46.20
857-020BL	2	5	0	065	70.16
8057-030BL	3	5	0	065	118.99
8057-040BL	4	4	0	065	164.70

Flange Soc Van Stone Style

Rated @ 150 psi Working Pressure @ 73°F (23°C)



854-005BL	1/2	25	0	065	20.33
854-007BL	3/4	25	0	065	21.76
854-010BL	1	15	0	065	24.23
854-012BL	1-1/4	15	0	065	24.98
854-015BL	1-1/2	20	0	065	25.50
854-020BL	2	10	0	065	33.89
854-030BL	3	10	0	065	57.87
854-040BL	4	5	0	065	73.20
854-060BL	6	4	0	065	163.98

PVC New Style Standard Tank Adapters with EPDM Gaskets

Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8170E-005BL	1/2	25	0	065	39.74
8170E-007BL	3/4	25	0	065	45.10
8170E-010BL	1	25	0	065	51.77
8170E-012BL	1-1/4	20	0	065	65.52
8170E-015BL	1-1/2	20	0	065	68.76
8170E-020BL	2	15	0	065	99.11
8170E-030BL	3	4	0	065	167.60
8170E-040BL	4	2	0	065	278.22

PVC New Style Standard Tank Adapters with Viton® Gaskets

Soc



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8170V-005BL	1/2	25	0	065	52.10
8170V-007BL	3/4	25	0	065	59.94
8170V-010BL	1	25	0	065	69.38
8170V-012BL	1-1/4	20	0	065	85.24
8170V-015BL	1-1/2	20	0	065	88.85
8170V-020BL	2	15	0	065	134.52
8170V-030BL	3	4	0	065	230.48
8170V-040BL	4	2	0	065	510.53

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Wrench Sets

Body Wrench & Nut Wrench



TAW-005	1/2	1	25	299	20.80
TAW-007	3/4	1	25	299	21.20
TAW-010	1	1	25	299	22.05
TAW-012	1-1/4	1	20	299	24.87
TAW-015	1-1/2	1	20	299	26.98
TAW-020	2	1	10	299	30.73
TAW-030	3	1	10	299	37.47
TAW-040	4	1	10	299	40.15

Individual Body Wrench



TAW1-005	1/2	250	0	299	11.67
TAW1-007	3/4	220	0	299	11.89
TAW1-010	1	200	0	299	12.38
TAW1-012	1-1/4	300	0	299	14.02
TAW1-015	1-1/2	150	0	299	15.10
TAW1-020	2	100	0	299	16.39
TAW1-030	3	74	0	299	21.48
TAW1-040	4	35	0	299	22.10

Individual Nut Wrench

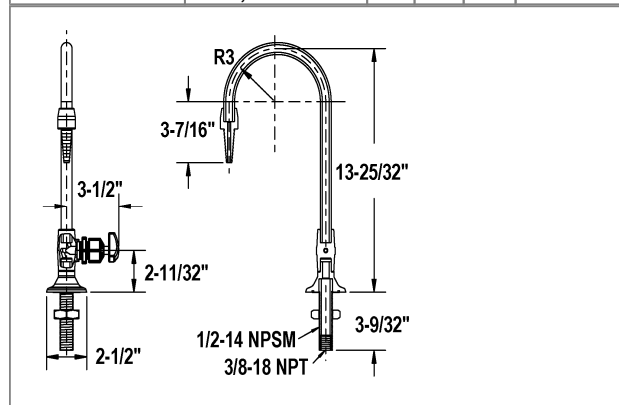


TAW2-005	1/2	200	0	299	11.67
TAW2-007	3/4	160	0	299	11.89
TAW2-010	1	110	0	299	12.38
TAW2-012	1-1/4	200	0	299	14.02
TAW2-015	1-1/2	120	0	299	15.10
TAW2-020	2	100	0	299	16.39
TAW2-030	3	40	0	299	21.48
TAW2-040	4	35	0	299	22.10

Standard Deck Mount Lab Fixture

Base with Valve, Gooseneck & Serrated Tip with Needle
Valve-Metered Flow

LF1000-BLN	LXT, PTFE Seal	1	0	066	357.55
------------	----------------	---	---	-----	--------



Standard Deck Mount Lab Fixture

With Ball Valve-Direct Flow

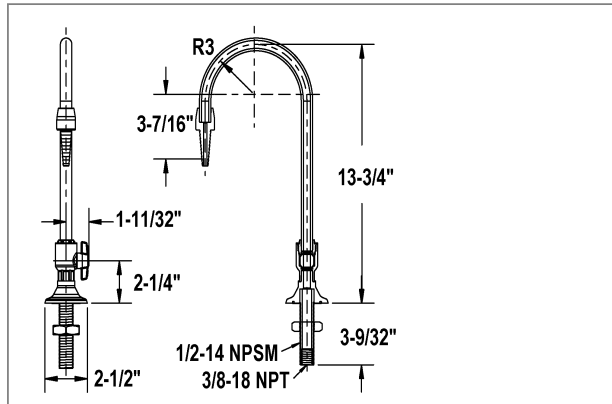
LF1002-BL	LXT, EPDM Seal	1	0	066	299.00
LF1003-BL	LXT, Viton® Seal	1	0	066	332.23

High Purity PVC System Low-Extractable Piping For Ultra-Pure Water Systems



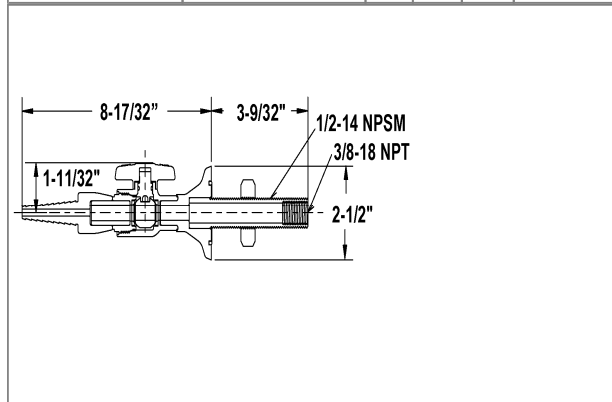
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Standard Deck Mount Lab Fixture (continued) With Ball Valve-Direct Flow



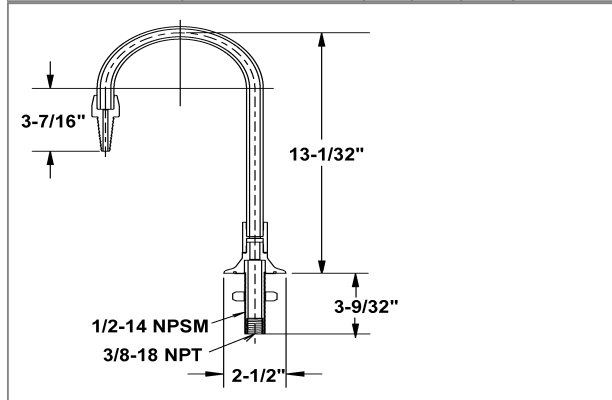
Panel Mount Turret Lab Fixture Base with Valve & Serrated Tip with Ball Valve-Direct Flow

LF3002-BL	PVC, EPDM Seal	1	0	066	294.12
LF3003-BL	PVC, Viton® Seal	1	0	066	326.84



Deck Mount Gooseneck Base with Gooseneck & Serrated Tip - For use with Remote Valve

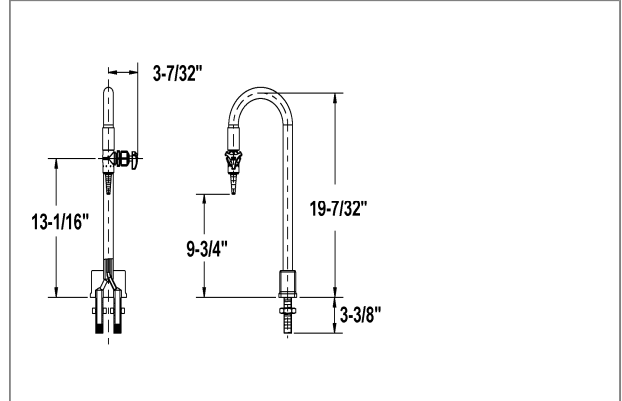
LF100-BL	LXT	1	0	066	245.37
----------	-----	---	---	-----	--------



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

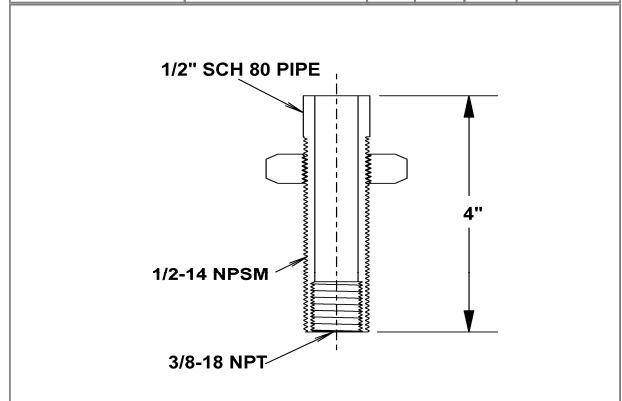
Recirculating Deck Mount Lab Fixture Base with Gooseneck, Valve & Serrated Tip with Needle Valve - Metered Flow

LFR1000-BLN	LXT, PTFE Seal	1	0	066	744.85
-------------	----------------	---	---	-----	--------



Fixture Connection Nipple With Locknut (Included on all fixtures listed above)

LF500-BL	LXT	1	0	066	40.64
----------	-----	---	---	-----	-------



Standard & Recirculating Gooseneck Only

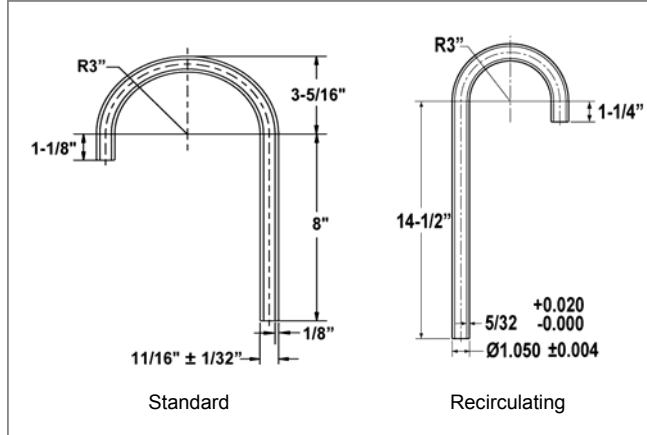
LFGN-BL	LXT	1	0	066	34.54
LFRGN-BL	LXT	1	0	066	48.40



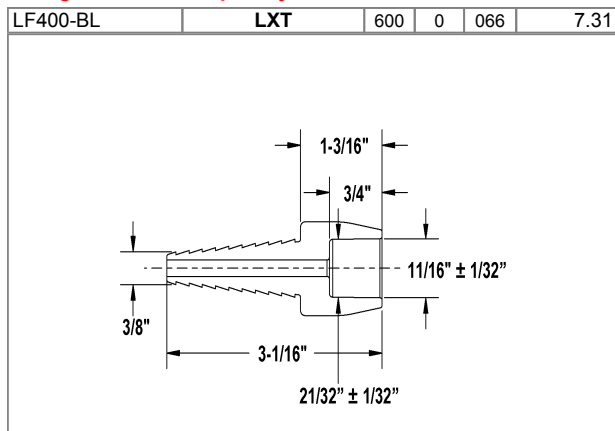
High Purity PVC System Low-Extractable Piping For Ultra-Pure Water Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

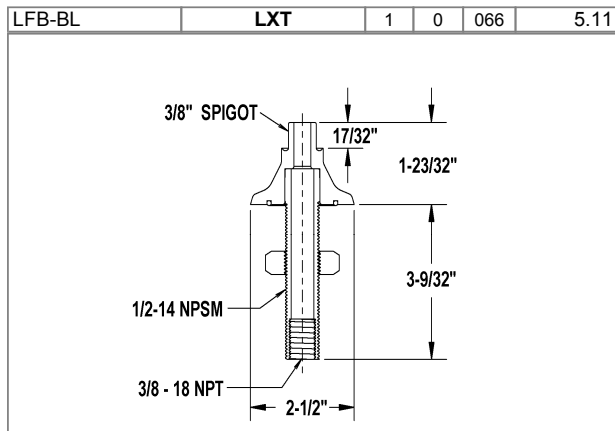
Standard & Recirculating Gooseneck Only (continued)



Straight Serrated Tip Only



Base Only Deck Mount



LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ CPVC Corrosive Waste Drainage Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P093 Elastomer Transition Coupling - Glass/IPS Pipe

IPS Clamp Joint x IPS Clamp Joint

For connection to plain end Glass or any same-size IPS pipe systems. Shielded FKM (Fluorocarbon) w/gear clamps.

P093-015	1-1/2	20	0	171	254.51
P093-020	2	10	0	171	265.40
P093-030	3	10	0	171	279.33
P093-040	4	10	0	171	828.44
P093-060	6	5	0	171	335.80



P094 Elastomer Transition Coupling-Duriron
IPS Clamp Joint x Duriron Clamp Joint

For connection to Duriron plain end pipe. Shielded FKM (Fluorocarbon) w/gear clamps.

P094-015	1-1/2	20	0	171	231.53
P094-020	2	10	0	171	245.37
P094-030	3	10	0	171	269.64
P094-040	4	10	0	171	298.07



P095 Duriron Transition Fitting
Mechanical Joint x Pipe Size

For connection to Duriron system. Requires Duriron mechanical joint coupling.

P095-015C	1-1/2	30	0	169	49.09
P095-020C	2	16	0	169	62.12
P095-030C	3	9	0	169	103.66
P095-040C	4	5	0	169	143.27



P096 Grooved Coupling
Grv x Soc

P096-015C	1-1/2	10	60	169	24.60
P096-020C	2	10	80	169	33.09
P096-030C	3	10	0	169	64.84
P096-040C	4	5	0	169	110.32
P096-060C	6	5	0	169	157.83



P097 Duriron Transition Coupling
Spig x Caulk Joint

For connection to Duriron system. Requires packing and plastic lead. Warning: Do not use hot lead or oiled Oakum

P097-015C	1-1/2	25	0	169	49.09
P097-020C	2	15	0	169	62.12
P097-030C	3	6	0	169	103.66
P097-040C	4	6	0	169	143.27



P098 Glass Transition Coupling
Spig x Clamp

For connection to glass system. Requires use of clamp from glass system manufacturer.

P098-015C	1-1/2	50	0	169	36.82
P098-020C	2	30	0	169	49.69
P098-030C	3	20	0	169	77.73
P098-040C	4	12	0	169	100.30
P098-060C	6	12	0	169	174.15

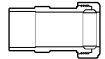


Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P099 Transition Coupling
H x Compression

For connection to PP or PVDF systems. Requires Safety Retaining Groove Tool. Contact Spears®.

P099-015C	1-1/2	16	0	169	101.72
P099-020C	2	12	0	169	115.66
P099-030C	3	4	0	169	144.87
P099-040C	4	4	0	169	173.23
P099-060C	6	1	0	169	200.72
P099-080C	8	1	0	169	607.52



P100 Coupling
H x H

P100-015C	1-1/2	100	0	160	24.18
P100-020C	2	100	0	160	30.18
P100-030C	3	60	0	160	38.62
P100-040C	4	25	0	160	54.96
P100-060C	6	5	0	160	87.10
P100-080C	8	6	0	159	234.90
P100-100C	10	1	0	159	340.61
P100-120C	12	1	0	159	478.61
P100-140C	14	1	0	159	607.72



P101 Female Adapter
Fpt x H

P101-015C	1-1/2	100	0	160	19.02
P101-020C	2	100	0	160	25.91
P101-030C	3	30	0	160	42.76
P101-040C	4	6	0	160	82.19
P101-060C	6	10	0	160	137.69



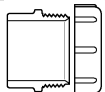
P102 Increaser - Reducer
H x H

P102-251C	2X1-1/2	25	0	160	47.32
P102-337C	3X1-1/2	25	0	160	49.95
P102-338C	3X2	20	0	160	54.96
P102-420C	4X2	10	0	160	60.40
P102-422C	4X3	20	0	160	65.90
P102-530C	6X3	6	0	160	92.59
P102-532C	6X4	4	0	160	111.43
P102-582C	8X4	2	0	159	204.04
P102-585C	8X6	2	0	159	150.36
P102-624C	10X4	2	0	159	344.44
P102-626C	10X6	1	0	159	368.45
P102-628C	10X8	1	0	159	384.79
P102-666C	12X6	1	0	159	471.56
P102-668C	12X8	1	0	159	534.43
P102-670C	12X10	1	0	159	588.26



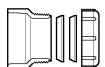
P103P Trap Adapter - Male
Spig x Slip with Plastic Nut

P103P-015C	1-1/2	50	0	160	20.11
P103P-020C	2	25	0	160	23.51



P104R Trap Adapter - Female
w/1-1/2 Plastic Nut & Washer and 1-1/2x1-1/4 Washer H x Slip w/Plastic Nut

P104R-015C	1-1/2	50	0	160	22.05
------------	-------	----	---	-----	-------





LabWaste™ CPVC Corrosive Waste Drainage System LabWaste™ CPVC Corrosive Waste Drainage Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P104X Trap Adapter - Female

H x Slip w/Chrome Nut & Washer



P104X-015C	1-1/2	50	0	160	23.46
------------	-------	----	---	-----	-------

P105 Cleanout Adapter

Spig x Fpt



P105-015C	1-1/2	50	0	160	19.02
P105-020C	2	50	0	160	20.34
P105-030C	3	25	0	160	39.20
P105-040C	4	10	0	160	70.03
P105-060C	6	10	0	160	123.24
P105-080C	8	8	0	159	190.68

P105X Cleanout Adapter with Square Head Plug

Spig



P105X-015C	1-1/2	50	0	160	20.03
P105X-020C	2	50	0	160	23.61
P105X-030C	3	25	0	160	43.56
P105X-040C	4	10	0	160	74.94
P105X-060C	6	10	0	160	129.62
P105X-080C	8	6	0	159	352.88

P106 Square Head Cleanout Plug

Mpt



P106-015C	1-1/2	50	400	160	6.93
P106-020C	2	50	0	160	7.57
P106-030C	3	25	0	160	13.22
P106-040C	4	30	0	160	14.83
P106-060C	6	10	0	160	34.61
P106-080C	8	12	0	159	178.90

P107 Flush Bushing

Spig x H



P107-251C	2X1-1/2	50	0	160	25.78
P107-337C	3X1-1/2	30	0	160	27.26
P107-338C	3X2	30	0	160	29.72
P107-420C	4X2	30	0	160	65.94
P107-422C	4X3	30	0	160	67.48
P107-530C ¹	6X3	10	0	160	123.77
P107-532C	6X4	10	0	160	118.04
P107-582C	8X4	4	0	159	429.01
P107-585C	8X6	4	0	159	447.57
P107-624C ¹	10X4	4	0	159	833.64
P107-628C	10X8	4	0	159	655.87
P107-670C	12X10	2	0	159	817.72

¹Outlet-sized with Bushing

P109 Male Adapter

Mpt x H



P109-015C	1-1/2	50	0	160	18.81
P109-020C	2	50	0	160	22.77
P109-030C	3	25	0	160	37.44
P109-040C	4	25	0	160	78.05
P109-060C	6	7	0	160	209.85

P110 Counter Sunk Cleanout Plug

Mpt



P110-015C	1-1/2	25	150	160	11.53
-----------	-------	----	-----	-----	-------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P110 Counter Sunk Cleanout Plug (continued)

Mpt

P110-020C	2	25	150	160	12.53
P110-030C	3	50	0	160	12.95
P110-040C	4	25	0	160	14.57
P110-060C	6	10	0	160	31.59

P116 Cap Socket



P116-015C	1-1/2	20	240	160	18.81
P116-020C	2	15	180	160	22.51
P116-030C	3	10	0	160	38.88
P116-040C	4	5	0	160	79.27
P116-060C	6	5	0	160	130.55
P116-080C	8	3	0	159	226.62

P119 No-Hub Adapter

S x H



P119-015C	1-1/2	25	0	160	33.12
P119-020C	2	25	0	160	35.33
P119-030C	3	20	0	160	44.51
P119-040C	4	15	0	160	65.00
P119-060C	6	5	0	160	141.16

P123 Hub Adapter

H x S



For connection to Cast Iron system. Requires packing and plastic lead.
Warning: Do not use hot lead or oiled Oakum

P123-020C	2	20	0	160	39.26
P123-030C	3	25	0	160	49.46

P130 Repair Coupling

H x H



P130-015C	1-1/2	25	200	160	25.23
P130-020C	2	25	0	160	14.93
P130-030C	3	10	0	160	49.46
P130-040C	4	5	0	160	82.98

P300 1/4 Bend (90° Ell)

H x H



P300-015C	1-1/2	100	0	160	30.95
P300-020C	2	50	0	160	38.46
P300-030C	3	25	0	160	65.29
P300-040C	4	10	0	160	103.90
P300-060C	6	4	0	160	268.87
P300-080C	8	2	0	159	374.76
P300-100C	10	1	0	159	866.13
P300-120C	12	1	0	159	1452.29

P300S 1/4 Bend w/Side Inlet (90° Ell)

All Hub



P300S-338C	3X3X2	10	0	160	143.61
------------	-------	----	---	-----	--------

P302 1/4 Bend, Street (90° Street Ell)

H x Spig



P302-015C	1-1/2	100	0	160	36.35
P302-020C	2	25	0	160	46.13
P302-030C	3	20	0	160	61.76
P302-040C	4	10	0	160	98.12

LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ CPVC Corrosive Waste Drainage Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P302 1/4 Bend, Street (90° Street Ell) (continued)

H x Spig

P302-060C	6	4	0	160	238.07
P302-080C	8	2	0	159	370.44
P302-100C	10	1	0	159	862.84
P302-120C	12	1	0	159	1437.44

P303 1/4 Bend w/Low Heel Inlet

H x H x H



P303-338C	3X3X2	25	0	160	90.30
P303-420C	4X4X2	6	0	160	186.40

P304 1/4 Bend, Long Sweep (90° LS Ell)

H x H



P304-015C	1-1/2	50	0	160	32.02
P304-020C	2	25	0	160	43.66
P304-030C	3	10	0	160	74.69
P304-040C	4	5	0	160	107.35
P304-060C	6	5	0	160	345.10

P309 1/4 Bend Long Sweep, Street (90° LS Street Ell)

H x Spig



P309-015C	1-1/2	50	0	160	33.68
P309-020C	2	25	0	160	45.14
P309-030C	3	20	0	160	76.87
P309-040C	4	5	0	160	109.24
P309-060C	6	5	0	160	280.12

P319 1/6 Bend (60° Ell)

H x H



P319-015C	1-1/2	40	0	160	31.03
P319-020C	2	25	0	160	37.46
P319-030C	3	20	0	160	67.67
P319-040C	4	10	0	160	108.49
P319-060CF	6	1	4	160	304.94

P320 1/6 Bend, Street (60° Street Ell)

H x Spig



P320-015C	1-1/2	40	0	160	31.03
P320-020C	2	25	0	160	37.46
P320-030C	3	20	0	160	68.37
P320-040C	4	10	0	160	108.49

P321 1/8 Bend (45° Ell)

H x H



P321-015C	1-1/2	100	0	160	30.41
P321-020C	2	50	0	160	37.05
P321-030C	3	25	0	160	67.99
P321-040C	4	15	0	160	77.05
P321-060C	6	5	0	160	225.07
P321-080C	8	1	0	159	324.53
P321-100C	10	1	0	159	618.77
P321-120C	12	1	0	159	1121.06

P323 1/8 Bend, Street (45° Street Ell)

H x Spig



P323-015C	1-1/2	100	0	160	23.04
-----------	-------	-----	---	-----	-------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

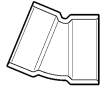
P323 1/8 Bend, Street (45° Street Ell) (continued)

H x Spig

P323-020C	2	50	0	160	26.16
P323-030C	3	25	0	160	57.99
P323-040C	4	10	0	160	59.51
P323-060C	6	5	0	160	213.81
P323-080C	8	1	0	159	246.27

P324 1/16 Bend (22-1/2° Ell)

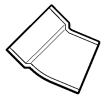
H x H



P324-015C	1-1/2	50	0	160	31.03
P324-020C	2	25	0	160	36.99
P324-030C	3	20	0	160	66.88
P324-040C	4	15	0	160	82.38
P324-060C	6	3	0	160	222.95
P324-080C	8	2	0	159	241.99

P326 1/16 Bend, Street (22-1/2° Street Ell)

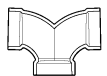
H x Spig



P326-015C	1-1/2	50	0	160	27.60
P326-020C	2	25	0	160	36.99
P326-030C	3	20	0	160	66.88
P326-040C	4	10	0	160	82.38
P326-060C	6	5	0	160	191.84
P326-080C	8	2	0	159	232.47

P327 Double 1/4 Bend (3 Way Ell)

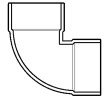
All Hub



P327-015C	1-1/2	20	0	160	62.47
P327-020C	2	25	0	160	109.18
P327-030C	3	15	0	160	139.57
P327-040C	4	6	0	160	152.77
P327-241C	2X1-1/2X1-1/2	25	0	160	100.87

P331 Vent Ell

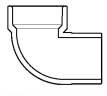
H x H



P331-015C	1-1/2	25	0	160	30.68
P331-020C	2	30	0	160	35.97
P331-030C	3	25	0	160	62.23
P331-040C	4	10	0	160	99.81
P331-060C	6	5	0	160	154.80

P333 Vent Ell, Street

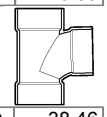
H x Spig



P333-015C	1-1/2	25	0	160	32.81
P333-020C	2	20	0	160	38.84
P333-030C	3	25	0	160	69.15
P333-040C	4	10	0	160	110.89

P400 Sanitary Tee

All Hub



P400-015C	1-1/2	100	0	160	38.46
P400-020C	2	35	0	160	46.06
P400-030C	3	30	0	160	92.19
P400-040C	4	5	0	160	138.07
P400-060C	6	6	0	160	391.21
P400-080C	8	2	0	159	641.32
P400-100C	10	1	0	159	1438.62
P400-120C	12	1	0	159	2027.30



LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ CPVC Corrosive Waste Drainage Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P401 Sanitary Tee, Reducing
All Hub



P401-241C	2X1-1/2X1-1/2	25	0	160	45.98
P401-251C	2X2X1-1/2	50	0	160	45.98
P401-257C	2X1-1/2X2	25	0	160	48.06
P401-337C	3X3X1-1/2	10	0	160	80.01
P401-338C	3X3X2	10	0	160	86.02
P401-420C	4X4X2	10	0	160	123.37
P401-422C	4X4X3	10	0	160	128.90
P401-532C	6X4	4	0	160	322.28
P401-582C	8X4	2	0	159	1092.15

P403 Sanitary Tee, Street
S x H x H



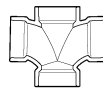
P403-015C	1-1/2	20	0	160	45.24
P403-020C	2	25	0	160	54.84
P403-030C	3	30	0	160	109.47
P403-040C	4	10	0	160	164.36
P403-060C	6	6	0	160	449.10
P403-080C	8	2	0	159	733.47
P403-100C	10	1	0	159	1747.29
P403-120C	12	1	0	159	2500.97

P404 Sanitary Tee, Street, Reducing
S x H x H



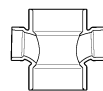
P404-241C	2X1-1/2X1-1/2	50	0	160	46.88
P404-251C	2X1-1/2	50	0	160	50.69
P404-337C	3X3X1-1/2	10	0	160	89.62
P404-338C	3X3X2	10	0	160	95.59

P428 Double Sanitary Tee
All Hub



P428-015C	1-1/2	25	0	160	57.94
P428-020C	2	25	0	160	68.31
P428-030C	3	8	0	160	91.37
P428-040C	4	6	0	160	121.94

P429 Double Sanitary Tee, Reducing
All Hub



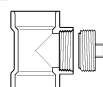
P429-241C	2X1-1/2X1-1/2X1-1/2	25	0	160	76.23
P429-251C	2X2X1-1/2X1-1/2	25	0	160	76.31
P429-337C	3X3X1-1/2X1-1/2	6	0	160	118.54
P429-338C	3X3X2X2	10	0	160	128.41
P429-419C	4X4X1-1/2X1-1/2	7	0	160	126.98
P429-420C	4X4X2X2	7	0	160	128.78
P429-422C	4X4X3X3	8	0	160	142.18

P441 Vent Tee
All Hub



P441-020C	2	25	0	160	75.28
P441-030C	3	10	0	160	96.83
P441-040C	4	5	0	160	136.73
P441-060C	6	4	0	160	334.60
P441-080C	8	2	0	159	659.04

P444X Cleanout Tee w/Plug
H x H x Fpt



P444X-015C	1-1/2	20	0	160	45.79
------------	-------	----	---	-----	-------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P444X Cleanout Tee w/Plug (continued)
H x H x Fpt

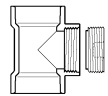
P444X-020C	2	10	0	160	50.59
P444X-030C	3	10	0	160	106.07
P444X-040C	4	10	0	160	144.45
P444X-060C	6	2	0	160	390.12

P445 Cleanout Tee
H x H x Fpt



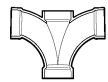
P445-015C	1-1/2	20	0	160	38.85
P445-020C	2	20	0	160	43.02
P445-030C	3	10	0	160	92.85
P445-040C	4	10	0	160	129.62
P445-060C	6	3	0	160	407.38

P445X Cleanout Tee with Counter Sunk Plug
H x H



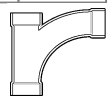
P445X-015C	1-1/2	20	0	160	45.79
P445X-020C	2	10	0	160	50.59
P445X-030C	3	10	0	160	106.07
P445X-040C	4	10	0	160	144.45
P445X-060C	6	3	0	160	436.71

P500 Double Fixture Fitting
All Hub



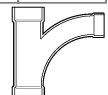
P500-020C	2X2X2X2	10	0	160	89.38
P500-030C	3X3X3X3	10	0	160	184.27
P500-241C	2X1-1/2X1-1/2X1-1/2	20	0	160	80.83
P500-251C	2X2X1-1/2X1-1/2	20	0	160	82.93
P500-338C	3X2X3X3	10	0	160	167.70

P501 Combo Wye + 1/8 Bend (Long Turn Tee Wye)
All Hub



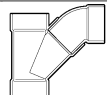
P501-015C	1-1/2	50	0	160	51.18
P501-020C	2	20	0	160	68.29
P501-030C	3	10	0	160	109.02
P501-040C	4	8	0	160	154.84

P502 Combination Wye + 1/8 Bend Reducing (Long Turn Tee Wye)
All Hub



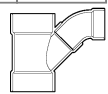
P502-251C	2X2X1-1/2	20	0	160	61.47
P502-337C	3X3X1-1/2	15	0	160	90.68
P502-338C	3X3X2	10	0	160	98.23
P502-420C	4X4X2	5	0	160	136.01
P502-422C	4X4X3	5	0	160	142.71
P502-578C	8X8X2	1	0	159	349.68

P503 Combination Wye and 1/8 Bend (Two Piece)
All Hub



P503-060C	6	4	0	160	418.51
P503-080C	8	1	0	159	770.06
P503-100C	10	1	0	159	1002.55

P504 Combination Wye and 1/8 Bend, Reducing (Two Piece)
All Hub



P504-241C	2X1-1/2X1-1/2	5	0	160	79.63
P504-528C	6X2	5	0	160	283.22
P504-530C	6X3	5	0	160	316.78
P504-532C	6X4	5	0	160	328.98

LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ CPVC Corrosive Waste Drainage Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

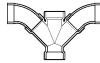
P504 Combination Wye and 1/8 Bend, Reducing (Two Piece) (continued)

All Hub

P504-582C	8X4	2	0	159	509.30
P504-585C	8X6	1	0	159	516.97
P504-623C	10X3	1	0	159	628.84
P504-624C	10X4	1	0	159	675.86
P504-626C	10X6	1	0	159	708.67
P504-628C	10X8	1	0	159	790.62
P504-664C	12X4	1	0	159	1494.26
P504-668C	12X8	1	0	159	1312.86
P504-670C	12X10	1	0	159	1511.28

P507 Double Combination Wye and 1/8 Bend

All Hub



P507-020C	2	10	0	160	135.00
P507-030C	3	10	0	160	232.02
P507-040C	4	5	0	160	439.67
P507-060C	6	2	0	160	995.20
P507-338C	3X3X2X2	10	0	160	194.51
P507-422C	4X4X3X3	5	0	160	243.57
P507-530C	6X6X3X3	2	0	160	516.79
P507-532C	6X6X4X4	1	0	160	589.74

P600 45° Wye

All Hub



P600-015C	1-1/2	50	0	160	39.20
P600-020C	2	25	0	160	54.99
P600-030C	3	25	0	160	98.00
P600-040C	4	8	0	160	142.85
P600-060C	6	4	0	160	362.65
P600-080C	8	1	0	159	394.73
P600-100C	10	1	0	159	621.33
P600-120C	12	1	0	159	1362.94

P601 45° Wye, Reducing

All Hub



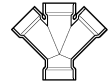
P601-241C	2X1-1/2X1-1/2	25	0	160	55.69
P601-251C	2X2X1-1/2	25	0	160	54.99
P601-337C	3X3X1-1/2	15	0	160	84.38
P601-338C	3X3X2	12	0	160	91.36
P601-419C	4X4X1-1/2	10	0	160	124.06
P601-420C	4X4X2	10	0	160	131.49
P601-422C	4X4X3	10	0	160	137.12
P601-528C ¹	6X6X2	5	0	160	268.03
P601-530C	6X6X3	6	0	160	232.96
P601-532C	6X6X4	5	0	160	235.50
P601-580C	8X8X3	2	0	159	268.07
P601-582C	8X8X4	1	0	159	274.33
P601-585C	8X8X6	1	0	159	305.31
P601-624C ¹	10X10X4	1	0	159	673.90
P601-626C	10X10X6	1	0	159	542.37
P601-628C	10X10X8	1	0	159	564.07
P601-661C ¹	12X12X2	1	0	159	1653.47
P601-663C ¹	12X12X3	1	0	159	1667.79
P601-664C ¹	12X12X4	1	0	159	1671.70
P601-666C ¹	12X12X6	1	0	159	1677.31
P601-668C ¹	12X12X8	1	0	159	1780.95
P601-670C ¹	12X10	1	0	159	1736.54

¹Sized with Bushing

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P611 Double Wye

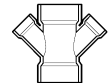
All Hub



P611-015C	1-1/2	40	0	160	73.56
P611-020C	2	20	0	160	77.76
P611-030C	3	15	0	160	140.56
P611-040C	4	5	0	160	320.65
P611-060C	6	2	0	160	557.62

P612 Double Wye, Reducing

All Hub



P612-241C	2X1-1/2X1-1/2X1-1/2	10	0	160	114.61
P612-251C	2X2X1-1/2X1-1/2	10	0	160	116.67
P612-337C	3X3X1-1/2X1-1/2	10	0	160	130.07
P612-338C	3X3X2X2	15	0	160	143.57
P612-420C	4X4X2X2	5	0	160	278.04
P612-422C	4X4X3X3	5	0	160	284.05
P612-532C	6X6X4X4	5	0	160	480.69

P335 Trap Elbow (for use with Traps only)

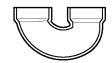
H x S



P335-030C	3	30	0	160	77.50
P335-040C	4	25	0	160	179.93

P700 Return Bend

H x H



P700-015C	1-1/2	20	0	160	51.30
P700-020C	2	35	0	160	71.65
P700-030C	3	8	0	160	106.59
P700-040C	4	6	0	160	203.05
P700-060C	6	2	0	160	294.44
P700-080C	8	1	0	159	398.37

P704P Tail Piece Adapter

Spig x Slip w/Plastic Nut



P704P-015C	1-1/2	25	0	160	20.11
------------	-------	----	---	-----	-------

P705 S-Trap

H x H



P705-015C	1-1/2	25	0	160	80.48
P705-020C	2	25	0	160	112.31
P705-030C	3	10	0	160	204.60
P705-040C	4	5	0	160	370.21

P705R Running Trap

H x H



P705R-015C	1-1/2	25	0	160	80.48
P705R-020C	2	25	0	160	112.31
P705R-030C	3	10	0	160	204.60
P705R-040C	4	5	0	160	369.81

P706X P-Trap

H x H



P706X-015C	1-1/2	25	0	160	60.35
P706X-020C	2	20	0	160	84.23
P706X-030C	3	10	0	160	152.88
P706X-040C	4	4	0	160	271.76
P706X-060C	6	2	0	160	806.63



LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ CPVC Corrosive Waste Drainage Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

P706X P-Trap (continued)

H x H

P706X-080C	8	1	0	159	953.78
P706X-100C	10	1	0	159	1519.90
P706X-120C	12	2	0	159	1707.83

P707X P-Trap w/Cleanout

H x H

P707X-015C	1-1/2	10	0	160	67.54
------------	-------	----	---	-----	-------

P708P P-Trap w/Plastic Nut (Union Connection)

H x H

P708P-015C	1-1/2	25	0	160	52.55
P708P-020C	2	25	0	160	91.03

P711P L.A Pattern P-Trap w/Plastic Nut (Union Connection w/Slip Joint) Slip x H w/Plastic Nut

P711P-015C	1-1/2	25	0	160	114.88
------------	-------	----	---	-----	--------

P712 Jar Trap

Spig x H

P712-015C	1-1/2	1	0	169	103.86
-----------	-------	---	---	-----	--------

P712P Jar Trap w/Tail Piece Adapter

Slip x H

P712P-015C	1-1/2	1	0	169	123.97
------------	-------	---	---	-----	--------

P720 Drum Trap

H x H

P720-015C	1-1/2	4	0	160	252.34
P720-020C	2	4	0	160	399.70
P720-030C	3	4	0	160	553.76
P720-040C	4	4	0	160	635.53

854 Flange, Van Stone Style

Soc

854-015C	1-1/2	20	0	090	38.90
854-020C	2	10	0	090	47.11
854-030C	3	10	0	090	102.18
854-040C	4	5	0	090	137.99
854-060C	6	5	0	090	235.13
854-080C	8	2	0	090	707.48
854-100C	10	2	0	091	1703.17
854-120C	12	2	0	091	2555.67
854-140C	14	1	0	091	2879.81
854-160C	16	1	0	091	3599.78

Waste Assembly

Sink Outlet

LWWA-1	1-1/2	10	0	169	91.66
--------	-------	----	---	-----	-------

LW1500 Floor Drain with CPVC Adjustable Top w/5" Round Grate

LW1500-015C	1-1/2X5	4	0	169	370.26
LW1500-020C	2X5	4	0	169	370.26
LW1500-030C	3X5	4	0	169	370.26

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

LW1500 Floor Drain with CPVC Adjustable Top w/5" Round Grate (continued)

LW1500-040C	4X5	4	0	169	370.26
-------------	-----	---	---	-----	--------

LW1520 Floor Drain with CPVC Adjustable Top w/5" Round Grate & Strainer

LW1520-015C	1-1/2X5	3	0	169	423.36
LW1520-020C	2X5	3	0	169	423.36
LW1520-030C	3X5	3	0	169	423.36
LW1520-040C	4X5	3	0	169	423.36

LW150M Floor Drain with CPVC Adjustable Top w/5" Round Grate & Membrane Collar

LW150M-015C	1-1/2X5	4	0	169	410.79
LW150M-020C	2X5	4	0	169	410.79
LW150M-030C	3X5	4	0	169	410.79
LW150M-040C	4X5	4	0	169	410.79

LW152M Floor Drain with CPVC Adjustable Top w/5" Round Grate, Strainer & Membrane Collar

LW152M-015C	1-1/2X5	4	0	169	462.47
LW152M-020C	2X5	4	0	169	462.47
LW152M-030C	3X5	4	0	169	462.47
LW152M-040C	4X5	4	0	169	462.47

Floor Drain with Stainless Steel Adjustable Top w/Round Grate

LW1500-015S	1-1/2X5	4	0	169	391.21
LW1600-015S	1-1/2X6	4	0	169	409.38
LW1700-015S	1-1/2X7	0	0	169	435.94
LW1800-015S	1-1/2X8	4	0	169	568.66
LW1500-020S	2X5	4	0	169	391.21
LW1600-020S	2X6	4	0	169	409.38
LW1700-020S	2X7	0	0	169	435.94
LW1800-020S	2X8	0	0	169	568.66
LW1500-030S	3X5	4	0	169	391.21
LW1600-030S	3X6	4	0	169	409.38
LW1700-030S	3X7	2	0	169	435.94
LW1800-030S	3X8	4	0	169	568.66
LW1500-040S	4X5	4	0	169	391.21
LW1600-040S	4X6	4	0	169	409.38
LW1700-040S	4X7	4	0	169	435.94
LW1800-040S	4X8	4	0	169	568.66

Floor Drain with Stainless Steel Adjustable Top w/Round Grate & Membrane Collar

LW150M-015S	1-1/2X5	4	0	169	431.73
LW160M-015S	1-1/2X6	4	0	169	449.89
LW170M-015S	1-1/2X7	0	0	169	476.45
LW180M-015S	1-1/2X8	0	0	169	609.18
LW150M-020S	2X5	1	5	169	431.73
LW160M-020S	2X6	4	0	169	449.89
LW170M-020S	2X7	0	0	169	476.45
LW180M-020S	2X8	0	0	169	609.18
LW150M-030S	3X5	4	0	169	431.73
LW160M-030S	3X6	4	0	169	449.89
LW170M-030S	3X7	0	0	169	476.45
LW180M-030S	3X8	2	0	169	609.18
LW150M-040S	4X5	4	0	169	431.73

LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ CPVC Corrosive Waste Drainage Systems

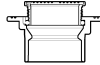


Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Floor Drain with Stainless Steel Adjustable Top w/Round Grate & Membrane Collar (continued)

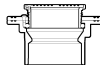
LW160M-040S	4X6	4	0	169	449.89
LW170M-040S	4X7	4	0	169	476.45
LW180M-040S	4X8	4	0	169	609.18

LW1510 Floor Cleanout w/Stainless Steel Adjustable Round Top & Solid Access Cover



LW1510-015S	1-1/2X5	4	0	169	419.16
LW1510-020S	2X5	6	0	169	419.16
LW1510-030S	3X5	4	0	169	419.16
LW1510-040S	4X5	4	0	169	419.16

LW151M Floor Cleanout w/Stainless Steel Adjustable Round Top, Solid Access Cover & Membrane Collar



LW151M-015S	1-1/2X5	4	0	169	447.12
LW151M-020S	2X5	4	0	169	447.12
LW151M-030S	3X5	4	0	169	447.12
LW151M-040S	4X5	4	0	169	447.12

LWTP CPVC Tail Piece

May be cut to desired length



LWTP-015060	1-1/2X6	10	0	169	38.30
LWTP-015120	1-1/2X12	20	0	169	57.46
LWTP-015140	1-1/2X14	20	0	169	71.20

LWTPN CPVC Tail Piece with Nut

May be cut to desired length



LWTPN-015060	1-1/2X6	10	0	169	48.34
LWTPN-015120	1-1/2X12	20	0	169	67.49
LWTPN-015140	1-1/2X14	20	0	169	77.31

LabWaste™ CPVC Pipe

10' Lengths, Price Per Foot



List Price Per Foot, may be cut to desired length

LW-015	1-1/2	10	0	161	6.90
LW-020	2	10	0	161	9.33
LW-030	3	10	0	161	16.87
LW-040	4	10	0	161	23.95
LW-060	6	10	0	161	43.23
LW-080	8	10	0	157	83.52
LW-100	10	10	0	157	135.23
LW-120	12	10	0	157	178.66
LW-140	14	10	0	158	217.87
LW-160	16	10	0	158	284.34

20' length available upon request



LW-5 LabWaste™ One-Step CPVC Cement

LW5-020	Pint	12	0	704	40.64
LW5-030	Quart	12	0	704	54.18
LW5-040	Gallon	6	0	704	220.41
LW5-050	5 Gallon	1	0	704	1102.09

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

LW-5 LabWaste™ One-Step CPVC Cement (continued)

AVERAGE NUMBER OF JOINTS
Per Quart of Solvent Cement

PIPE DIAMETER	NUMBER OF JOINTS
1/2"	300
3/4"	200
1"	125
1-1/2"	90
2"	60
3"	40
4"	30
6"	10
8"	5
10"	2-3
12"	1-2

These figures are based on laboratory tests. Due to many field variations, these should be used as a **general guide** only.



Empty Cans

MT-654	Pint	12	0	710	6.61
MT-651	Quart	12	0	710	7.46
MT-653	Quart	12	0	710	7.46
MT-647	Gallon	6	0	710	17.55
MT-648	Gallon	6	0	710	21.95

MT-647, MT-651 & MT-654 have 1-3/4" Screw Neck
 MT-648 has 2-7/8" Screw Neck
 MT-653 is Paint-Type Can

Brush



PB1	1	100	0	710	9.03
-----	----------	-----	---	-----	------

1" Brush w/1-3/4" Screw Cap, for pipe size 3/4" - 2"

Cap Swab



5020	4" Length	24	0	710	13.30
------	------------------	----	---	-----	-------

Fits 1-3/4" Neck Quart Cans (MT-651). 4" length for pipe size 3" to 8"

Large Mouth Can Swab



4020	4" Length	24	0	710	19.61
------	------------------	----	---	-----	-------

Fits 2-7/8" Neck Gallon Can MT-648



LabWaste™ CPVC Corrosive Waste Drainage System LabWaste™ CPVC Corrosive Waste Drainage Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Swab with Heavy Handle



4520	4" length	12	0	710	16.60
For Pipe Sizes 6" & Larger					

Roller



3020	3" length	24	0	710	14.32
Fits Paint Type Quart Can (MT-653). For use with pipe sizes 3" to 6"					

Large Roller



7020	7" length	20	0	710	17.83
Fits 2-78" Neck Gallon Can MT-648					

Roller with Heavy Handle



Replaceable Cover

5520	4" length	12	0	710	13.55
6520	6" length	12	0	710	16.60
For Pipe Sizes 6" & Larger					

Cap Dauber



DP-75	3/4" for Pint	50	0	710	1.17
DP-125	1-1/4" for Pint	50	0	710	1.41
DQ-125	1-1/4" for Quart	50	0	710	1.41
DP Fits Pint Cans					
DQ Fits Quart Cans					

Can-Mate Dauber



CM-75	3/4"	50	0	710	4.70
CM-150	1-1/4"	50	0	710	4.70
3/4" Diameter for pipe size to 1-1/2"					
1-1/4" Diameter for pipe size 1-1/2" to 3"					



Acid Neutralization/Dilution Tanks for Use With **LabWaste™ CPVC Systems**

Neutralization or dilution tanks are required by codes for the purpose of neutralizing corrosive wastes. Corrosive liquids, spent acids or other harmful chemicals that destroy or damage a drain, sewer, soil or waste pipe, or create noxious or toxic fumes or interfere with sewage treatment processes are prohibited from discharge into the plumbing system without being neutralized or treated. Spears® offers a standard selection of HDPE tanks in 5 gallon to 3000 gallon capacities and CPVC tanks in 5 gallon to 55 gallon capacities with connection and vent options listed below, plus convenient 1- gallon Dilution Tank designed for under-sink installation. Tanks can also be produced in virtually any custom size, shape, or connection configuration. Contact Spears® Technical Services with desired specifications for custom quotation.

Standard HDPE Round Tanks Technical Information Construction: HDPE – High Density Polyethylene

Tank Capacity US Gallons	Approx Useable Capacity, US Gallons		Inside Dimension Dia. x Ht. (in.)	Wall Thickness (in.)	Approx Weight (lbs)	Standard Inlet & Outlet Connection Size (in.)	Standard Fitting Connection	LabWaste™ Transition Connection Fitting ³	Optional ⁴ Vent Connection Size (in.)	Approx. Centerline Height (in.) ⁵		
	Without Limestone	With Limestone								Inlet	Outlet	Vent
5	3	1	11 x 14	3/16	10	1-1/2 or 2	Mipt	P101	1-1/2 or 2	11	8	12
15	7	2	18 x 15	3/16	20	1-1/2 or 2	Mipt	P101	1-1/2 or 2	11	8	12
30	19	6	18 x 29	3/16	35	3	Mipt	P101	2 or 3	23	19	25
55	35	12	22 x 36	3/16	50	4	Mipt	P101	3 or 4	27	23	31
100	77	26	28 x 42	1/4	85	4	Mipt	P101	3 or 4	35	31	37
150	105	35	31 x 48	1/4	100	4	Mipt	P101	3 or 4	38	34	42
175	135	45	30 x 60	1/4	125	4	Mipt	P101	3 or 4	51	47	54
200	137	46	36 x 48	1/4	125	4 or 6	Mipt/Flange	P101/854	4 or 6	38	34	42
275	186	62	42 x 48	1/4	160	4 or 6	Mipt/Flange	P101/854	4 or 6	38	34	42
300	230	76	36 x 74	5/16	175	4 or 6	Mipt/Flange	P101/854	4 or 6	61	56	65
350	243	81	48 x 48	5/16	200	4 or 6	Mipt/Flange	P101/854	4 or 6	38	34	42
500	395	132	52 x 60	3/8	225	4 or 6	Mipt/Flange	P101/854	4 or 6	51	47	54
550	447	149	48 x 72	3/8	275	4 or 6	Mipt/Flange	P101/854	4 or 6	64	60	67
650	548	183	48 x 84	3/8	375	4 or 6	Mipt/Flange	P101/854	4 or 6	75	71	76
1200	1052	351	69 x 84	3/8	600	4 or 6	Mipt/Flange	P101/854	4 or 6	74	68	76
2000 ¹	1559	521	84 x 84	1/2	850	4 or 6	Mipt/Flange	P101/854	4 or 6	74	68	76
3000 ¹	2203	735	95 x 97	1/2	1350	4 or 6	Mipt/Flange	P101/854	4 or 6	87	83	91

Standard CPVC Round Tanks Technical Information Construction: Chlorinated Polyvinyl Chloride (CPVC)

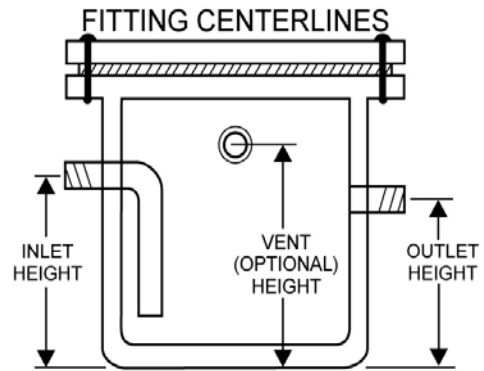
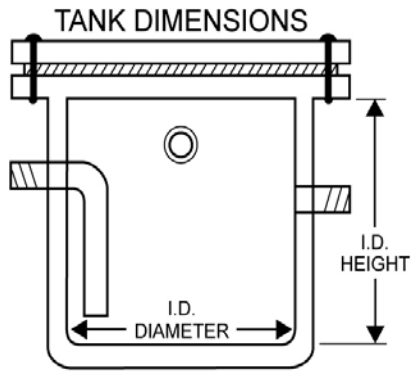
Tank Capacity US Gallons	Approx Useable Capacity, US Gallons		Inside Dimension Dia. x Ht. (in.)	Wall Thickness (in.)	Approx Weight (lbs)	Standard ² Inlet & Outlet Connection Size (in.)	Standard Fitting Connection	LabWaste™ Transition Connection Fitting ³	Optional ⁴ Vent Connection Size (in.)	Approx. Centerline Height (in.) ⁵		
	Without Limestone	With Limestone								Inlet	Outlet	Vent
5	5	3	12-3/8 x 14-11/16	3/16	20	1-1/2 or 2	Soc	direct	1-1/2 or 2	11	8	12
15	15	7	17-11/16 x 17-1/4	3/16	35	1-1/2 or 2	Soc	direct	1-1/2 or 2	11	8	12
30	30	18	17-5/8 x 33	3/16	54	3	Soc	direct	2 or 3	23	18	25
55	55	35	23-1/2 x 38-1/2	1/4	70	4	Soc	direct	3 or 4	27	23	31

Important Notes

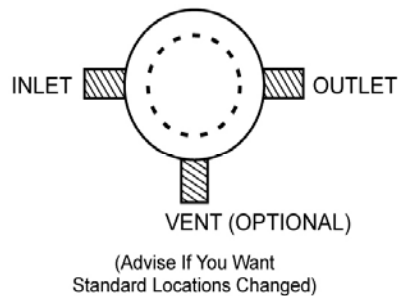
- Larger HDPE tanks may include exterior steel banding or fiberglass reinforcement for additional strength. Special ordered optional inspection manhole ports are recommended for larger tanks (includes cover with neoprene gasket, stainless steel nuts, bolts, and washers).
- All tanks can be special ordered with Mipt, Flanged (150#), and Fipt connections or varying combinations other than standard connections specified. Inlets or vents may also be custom ordered for installation in covers instead of tank sides.
- For transitions from Mipt HDPE tank connections to **LabWaste™** piping use part numbers P101-xxxC, Female Adapter. CPVC tank sockets can be cemented directly to **LabWaste™** piping. For transitions from ALL flanged connections to **LabWaste™** piping use part numbers 854-xxxC, Flange (xxx = size code).
- Venting is required by codes but may be accomplished either at the tank or in-line.
- Neutralization tanks and tank extensions are not warranted for direct burial applications. Tanks must be properly placed and secured with no applied stresses, within a dry concrete vault with use of a protective traffic cover as deemed appropriate. However, if direct burial is used without warranty, custom centerlines must be furnished from top of cover down to fitting centerline instead of specified tank bottom to fittings centerline since tank heights can vary.



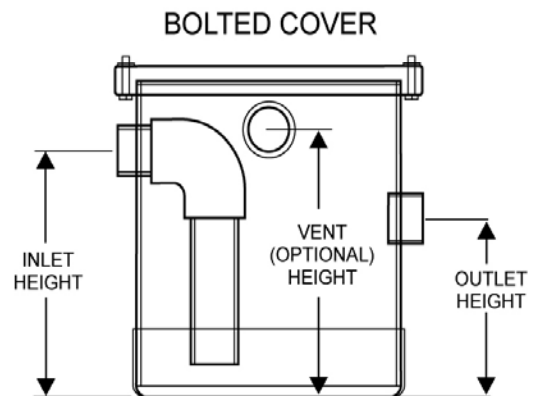
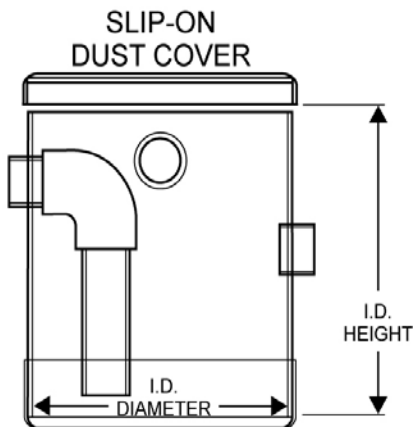
HDPE Tanks



TOP VIEW STANDARD FITTING LOCATIONS



CPVC Tanks





PRICE SCHEDULE

LabWaste™ Standard HDPE Round Neutralization Tanks

Nominal US Gallons	Inlet & Outlet Size (in.)	Inlet & Outlet Connection	HDPE Tank Part No./ Price	Disc Code
5	1-1/2	Mipt	T20051414B 740.52	169
5	2	Mipt	T20052424B 740.52	169
15	1-1/2	Mipt	T20151414B 1,145.70	169
15	2	Mipt	T20152424B 1,145.70	169
30	3	Mipt	T20303434B 1,592.81	169
55	4	Mipt	T20554444B 2,025.94	169
100	4	Mipt	T21004444B 2,780.44	169
150	4	Mipt	T21504444B 3,702.59	169
175	4	Mipt	T21754444B 4,890.21	169
200	4	Mipt	T22004444B 5,239.51	169
275	4	Mipt	T22754444B 6,287.41	169
275	6	Flange	T22756363B 6,287.41	169
300	4	Mipt	T23004444B 6,636.71	169
300	6	Flange	T23006363B 6,636.71	169
350	4	Mipt	T23504444B 7,195.59	169
350	6	Flange	T23506363B 7,195.59	169
500	4	Mipt	T25004444B 9,780.43	169
500	6	Flange	T25006363B 9,780.43	169

Nominal US Gallons	Inlet & Outlet Size (in.)	Inlet & Outlet Connection	HDPE Tank Part No./ Price	Disc Code
550	4	Mipt	T25504444B 10,758.47	169
550	6	Flange	T25506363B 10,758.47	169
650	4	Mipt	T26504444B 12,295.38	169
650	6	Flange	T26506363B 12,295.38	169
1200	4	Mipt	T212C4444B 19,555.24	169
1200	6	Flange	T212C6363B 19,555.24	169
2000	4	Mipt	T220C4444B 30,732.86	169
2000	6	Flange	T220C6363B 30,732.86	169
3000	4	Mipt	T230C4444B 43,313.27	169
3000	6	Flange	T230C6363B 43,313.27	169

**Optional Vent Outlet
(recommended)
for HDPE Tank**

Vent Size (in.)	Vent Connection	Add-on to Part No. / and to Price	Disc Code
1-1/2	Mipt	14 139.72	169
2	Mipt	24 139.72	169
3	Mipt	34 209.59	169
4	Mipt	44 279.44	169
6	Flange	63 489.02	169

Example: T20051414B14



LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ Standard CPVC Round Neutralization Tanks

**LabWaste™ Standard CPVC
Round Neutralization Tanks**

Additional Inlet/Outlet Sizes, Combinations & Custom Configurations Available

Nominal US Gallons	Inlet & Outlet Size (in.)	Inlet & Outlet Connection	CPVC Tank Part No./Price		Disc Code
			Dust (slip) Cover	Bolted Cover	
5	1-1/2	Soc	T30051212A	T30051212B	169
			1,325.01	3,044.88	
5	2	Soc	T30052222A	T30052222B	169
			1,325.01	3,044.88	
15	1-1/2	Soc	T30151212A	T30151212B	169
			1,829.74	4,232.72	
15	2	Soc	T30152222A	T30152222B	169
			1,829.74	4,232.72	
30	3	Soc	T30303232A	T30303232B	169
			2,446.97	4,754.65	
55	4	Soc	T30554242A	T30554242B	169
			4,726.04	7,825.74	

**Optional Vent Outlet (recommended)
for CPVC Tank**

Vent Size (in.)	Vent Connection	Add-on to Part No. / and to Price	Disc Code
1-1/2	Soc	12	169
		139.72	
2	Soc	22	169
		139.72	
3	Soc	32	169
		209.59	
4	Soc	42	169
		279.44	

Example: T30051212A12

Neutralization Tank Sizing Table

The following recommendation from the American Society of Plumbing Engineers (ASPE) may be used as a guideline for sizing tanks according to the number of lab sinks.

Number of Lab Sinks	Tank Size, Gal (L)
2	5 (18.9)
4	15 (56.8)
8	30 (113.6)
16	55 (208.2)
22	75 (283.9)
27	90 (340.7)
30	108 (408.8)
40	150 (567.8)
50	175 (662.4)
60	200 (757.0)
75	275 (1040.9)
110	360 (1362.6)
150	500 (1898.5)
175	550 (2081.8)
200	650 (2460.3)
300	1200 (4542)
500	2000 (7570)
600	3000 (11355)

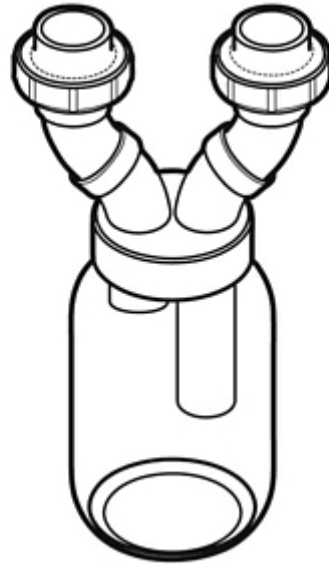
Note: For commercial and industrial laboratories, the number of lab sinks should be multiplied by a 0.5 use factor. (ASPE Data Book Vol. 3, Page 42, 2001).

LabWaste™ 1-Gallon CPVC Dilution Tanks

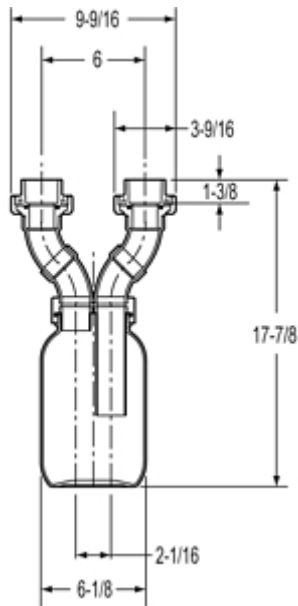
Provides chemical dilution from water rinse during use. Designed for under-sink installations. CPVC construction with Glass or PP Jar type tank.

Nominal US Gallons	Inlet & Outlet Size (in.)	Inlet & Outlet Connection	CPVC Tank Part Glass Jar Tank No./Price	Disc Code
1	1-1/2	Socket Union	T3001G1515	169
			384.23	

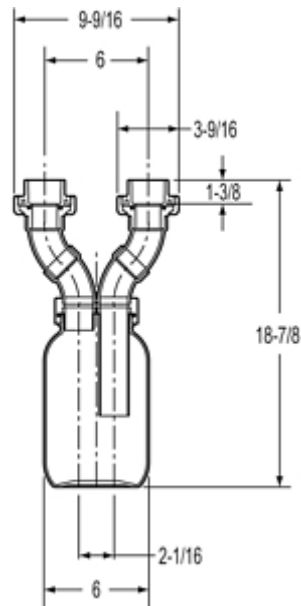
Nominal US Gallons	Inlet & Outlet Size (in.)	Inlet & Outlet Connection	CPVC Tank Part Polypropylene Jar Tank No./Price	Disc Code
1	1-1/2	Socket Union	T3001P1515	169
			276.64	



Dimensions



Glass



Polypropylene



LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ Dilution Traps

LabWaste™ 1-Gallon CPVC Dilution Traps

Provides chemical dilution from water rinse during use. Designed for under-sink installations as a trap. CPVC construction with Glass or PP Jar type tank.

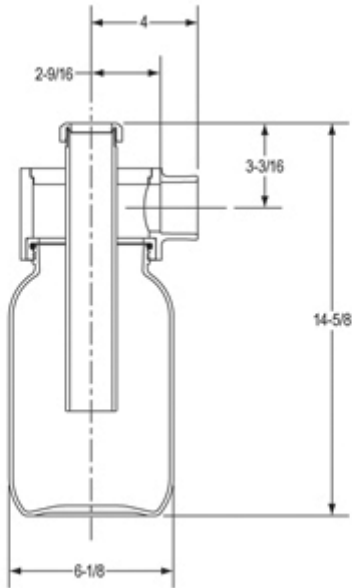
Nominal US Gallons	Inlet & Outlet Size (in.)	Inlet	Outlet	CPVC Tank Part Glass Jar Tank No./Price	Disc Code
1	1-1/2	Slip	Socket	T4001G1612 384.23	169

Nominal US Gallons	Inlet & Outlet Size (in.)	Inlet	Outlet	CPVC Tank Part Polypropylene Jar Tank No./Price	Disc Code
1	1-1/2	Slip	Socket	T4001P1612 276.64	169

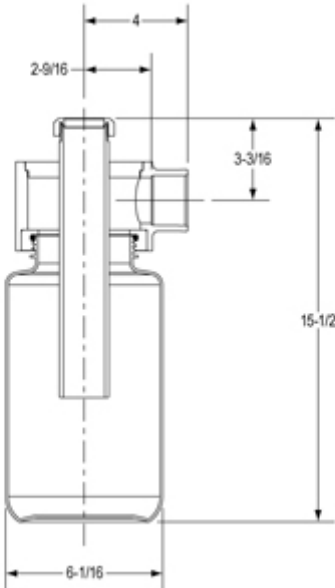
Note: Slip connections are for sink drain tailpiece.



Dimensions

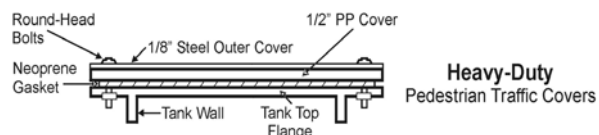
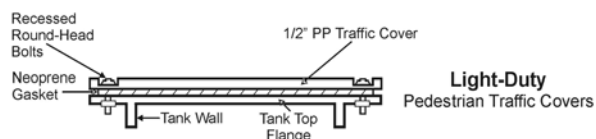


Glass



Polypropylene

LabWaste™ CPVC Corrosive Waste Drainage System
LabWaste™ Optional Covers



Pedestrian Traffic Covers

Traffic Covers are priced and ordered separately with tank order in lieu of standard tank cover. Constructed from 1/2" white PP with recessed bolts and anchoring nuts. Covers are designed for light pedestrian traffic and flush floor installation.

Heavy-Duty Pedestrian Traffic Covers

Traffic Covers are priced and ordered separately with tank order in lieu of standard tank cover. Constructed with 1/8" steel, primer coated, over 1/2" white PP with round head slotted bolts and anchoring nuts. Heavy-Duty Traffic Covers are designed for heavy pedestrian traffic and flush floor installation.

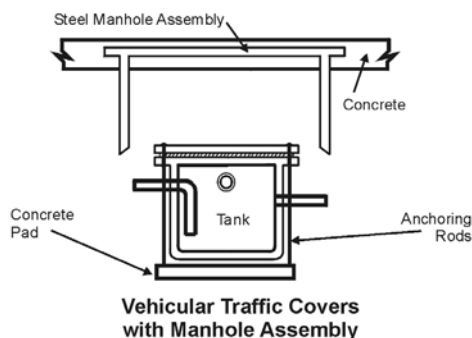
Part Number	Tank Size Range	List Price Each	Disc Code
PTC-5	5-gal thru 55-gal	698.61	169
PTC-100	100-gal thru 300-gal	838.32	169
PTC-350	350-gal thru 650-gal	1,187.62	169
PTC-1200	1200-gal thru 3000-gal	2,095.81	169

Part Number	Tank Size Range	List Price Each	Disc Code
HPTC-5	5-gal thru 55-gal	1,397.20	169
HPTC-100	100-gal thru 300-gal	1,816.35	169
HPTC-350	350-gal thru 650-gal	2,375.24	169
HPTC-1200	1200-gal thru 3000-gal	4,191.61	169

Vehicular Traffic Covers

Vehicular Traffic Covers are priced and ordered separately with tank. Covers are constructed from minimum 3/8" Diamond Plate steel supported by an external steel frame. Standard tank covers are used on tanks located below these steel manhole assemblies. Requires concrete pad below tank. Check with factory for frame height (may be extended in the field).

Part Number	Cover Size	Tank Application	Approx. Wt.(lbs.)	List Price Each	Disc Code
VTC18R	18" round	Fits 5-gallon units	100	698.61	169
VTC24S	24" square	Fits 5-gallon units	100	978.04	169
VTC30R	30" round	Fits 15 & 30-gallon units	150	1,383.22	169
VTC30S	30" square			1,383.22	169
VTC36R	36" round	Fits 55-gallon units	200	1,956.09	169
VTC36S	36" square			1,956.09	169
VTC42R	42" round	Fits 100, 150 & 175-gallon units	300	2,794.39	169
VTC42S	42" square			2,794.39	169
VTC48R	48" round	Fits 200 & 300-gallon units	400	3,493.01	169
VTC48S	48" square			3,493.01	169
VTC54R	54" round	Fits 275-gallon units	500	5,588.81	169
VTC54S	54" square			5,588.81	169
VTC60R	60" round	Fits 350, 550 & 650-gallon units	750	6,287.41	169
VTC60S	60" square			6,287.41	169





LabWaste™ CPVC Corrosive Waste Drainage System LabWaste™ Manhole Ports, Tank Extensions and Limestone Chips

Optional Inspection Manhole Ports & Tank Extensions

Manhole Assemblies are priced and ordered separately with tank order in lieu of standard tank cover. Assemblies include matching covers, Neoprene gaskets and stainless steel nuts, bolts, and washers; fabricated into the standard tank cover.

Part Number	Manhole Size	List Price Each	Disc Code
MH180	18	1,117.77	169
MH110	11	726.55	169
MH060	6	544.90	169
MH040	4	419.16	169

Tank Extensions

Tanks may be special ordered with extensions to increase the overall height of the tank. Extensions ranging from 1" to almost two (2) times the tank height are at a charge of double the list price for the basic tank. For example, a 55-gallon tank has a height of 36". Extended tank heights of 37" to 70" are twice the price of a standard 55-gallon tank. For higher extensions, contact Spears®. Special covers are needed for flush floor, in-ground installations. Standard covers are not designed for any traffic or load bearing.

Limestone Chips for Acid Neutralization Tanks

Most state and local codes require the addition of a neutralization medium in acid waste tanks with the addition of water for dilution prior to discharge into a sanitary sewer system. Limestone must be 1" to 3" in diameter with a calcium carbonate content of at least 90%. Spears® offers high grade Limestone Chips having a calcium carbonate content of approximately 95%. The use of Limestone Chips is generally one of the best and least expensive means of acid neutralization, but may be used in conjunction with more sophisticated chemical treatments if necessary.

How Much to Use: The following is a guideline for pounds of Limestone Chips to use for one (1) tank filling (charge). It is recommended that sufficient quantity be ordered for more than one filling.

Tank Size (gallons)	Approx. Pounds
5	50
15	100
30	200
55	500
100	1,000
150	1,750
175	1,900
200	2,500
275	3,200
300	3,200
350	4,000
500	5,000
550	7,500
650	9,000
1200	11,000
2000	16,000
3000	25,000

Maintenance: Tanks should be inspected routinely for accumulation of precipitated sludge and debris that must be cleaned out (usually scooped out) and for periodic addition of limestone and water if necessary. While once every one to three months may be sufficient, professional assistance should be sought to establish a proper schedule based on actual use. Note: Tank must be filled with water prior to carefully adding Limestone Chips to charge the system. Request instruction sheet.

Standard 50-lb. Bags Regular & Dolomitic Limestone

Limestone Chips are conveniently packaged in 50-lb. plastic bags but may be special ordered loose. Actual bag weight may vary by + 15%. Special dolomitic limestone is used for wastes predominantly composed of sulfuric acid (battery acid). Allow three to five weeks delivery.

Part Number	List Price Each				Disc Code
	1-4 bags	5-20 bags	21-39 bags	40 & up bags	
Regular Limestone					
RLC-50	69.86	62.88	55.88	41.90	169
Dolomitic Limestone					
DLC-50	139.72	125.74	111.78	83.84	169

Lab Specialty Products Lab Ball Valves & Needle Valves



Lab Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/4" - 3/8" 150 psi
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
Temperature/Pressure De-ratings Apply
Rated for Vacuum Service

Valve & Adapters includes:

- 1 - Threaded 1/4" Valve
- 2 - O-ring Sealed 1/4" MPT x Mipt Adapters
- 2 - EPDM or Viton® O-rings (AS568-013 size)
- 1 - End Connector Wrench
- 2 - O-ring Sealed 1/4" MPT x 3/8" I.D.
- Tubing Barb Adapters
- OR -
- 2 - O-ring Sealed 1/4" MPT x 1/4" I.D.
- Tubing Barb Adapters



Socket/Threaded Valve Only

All Valves Assembled with Silicone-Free, Water Soluble Lubricant

Valve & Adapters

PVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Valve & Adapters Threaded Ends					
1/4X1/4T	1529-002A 24.46	1539-002A 25.57	1	25	218
1/4X3/8T	1529-002 24.46	1539-002 25.57	1	25	218
Valve only Threaded Ends					
1/4	1521-002 19.55	1531-002 21.76	50	200	218
3/8	1521-003 27.48	1531-003 30.47	50	200	218
Valve only Socket Ends					
1/4	1522-002 19.55	1532-002 22.12	50	200	218
3/8	1522-003 27.48	1532-003 30.47	50	200	218

CPVC

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
Valve & Adapters Threaded Ends					
1/4X1/4T	1529-002CA 29.36	1539-002CA 29.93	1	25	219
1/4X3/8T	1529-002C 29.36	1539-002C 29.93	1	25	219
Valve only Threaded Ends					
1/4	1521-002C 23.51	1531-002C 25.85	50	200	219
3/8	1521-003C 32.97	1531-003C 30.90	50	200	219
Valve only Socket Ends					
1/4	1522-002C 23.51	1532-002C 27.98	50	200	219
3/8	1522-003C 32.97	1532-003C 36.60	50	200	219

Needle Valves



Pressure Rating @ 73°F (23°C), Water
PVC or CPVC 235 psi
PP 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)
PP = 180°F (82°C)

Solid PTFE Stem Seals
No Elastomer or Lubricants used
Valves include Panel Mounting Nut

PVC Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
Globe Pattern						
1/4	5591-002 67.71	5592-002 67.71	---	1	18	218
3/8	5591-003 67.71	5592-003 67.71	5591-003SR 61.76	1	18	218
1/2	5591-005 75.15	5592-005 75.15	5591-005SR 77.17	1	18	218
Angle Pattern						
1/4	5691-002 67.71	5692-002 67.71	---	1	18	218
3/8	5691-003 67.71	5692-003 67.71	---	1	18	218
1/2	5691-005 75.15	5692-005 75.15	5691-005SR 77.17	1	18	218

CPVC Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
Globe Pattern						
1/4	5591-002C 79.74	5592-002C 79.74	---	1	18	219
3/8	5591-003C 79.74	5592-003C 79.74	5591-003CSR 79.56	1	18	219
1/2	5591-005C 84.33	5592-005C 84.33	5591-005CSR 86.49	1	18	219
Angle Pattern						
1/4	5691-002C 79.74	5692-002C 79.74	---	1	18	219
3/8	5691-003C 79.74	5692-003C 79.74	---	1	18	219
1/2	5691-005C 84.33	5692-005C 84.33	5691-005CSR 86.49	1	18	219

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 567



Lab Specialty Products Needle Valves

PP Needle Valve

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Disc Code
------	----------	--------	-------------	-----------	------------	--------------

Globe Pattern

1/4	5591-002P 74.61	---	---	1	18	219
3/8	5591-003P 74.61	---	---	1	18	219
1/2	---	---	5591-005PSR 82.51	1	18	219

Angle Pattern

1/4	5691-002P 74.61	---	---	1	18	219
3/8	5691-003P 74.61	---	---	1	18	219
1/2	---	---	5691-005PSR 82.51	1	18	219

Lab Specialty Products Gauge Guards



Connections use Spears® Patented Special Reinforced (SR)
Female Threads on Pressure Inlet (1/4" or 1/2")

Pressure Rating
235 psi @ 73°F
16 BAR @ 22°C
Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)
PP = 180°F (82°C)
Temperature/Pressure De-ratings Apply
Rated for Full Vacuum Service

Gauge Guards are pre-filled with glycerin-water
on units with Factory Installed Gauges.
"No Gauge" units are to be filled by end user.

PVC GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
PTFE Diaphragm					
No Gauge	G0004-002 98.64	G0004-005 98.64	1	18	624
0-30 in-Hg	G30V4-002 166.52	G30V4-005 166.52	1	18	624
0-15 psi	G0154-002 157.41	G0154-005 157.41	1	18	624
0-30 psi	G0304-002 157.41	G0304-005 157.41	1	18	624
0-60 psi	G0604-002 157.41	G0604-005 157.41	1	18	624
0-100 psi	G1004-002 157.41	G1004-005 157.41	1	18	624
0-160 psi	G1604-002 157.41	G1604-005 157.41	1	18	624
0-200 psi	G2004-002 157.41	G2004-005 157.41	1	18	624
0-300 psi	G3004-002 157.41	G3004-005 157.41	1	18	624

Viton® Diaphragm

No Gauge	G0003-002 98.64	G0003-005 98.64	1	18	624
0-30 in-Hg	G30V3-002 166.52	G30V3-005 166.52	1	18	624
0-15 psi	G0153-002 157.41	G0153-005 157.41	1	18	624
0-30 psi	G0303-002 157.41	G0303-005 157.41	1	18	624
0-60 psi	G0603-002 157.41	G0603-005 157.41	1	18	624
0-100 psi	G1003-002 157.41	G1003-005 157.41	1	18	624
0-160 psi	G1603-002 157.41	G1603-005 157.41	1	18	624
0-200 psi	G2003-002 157.41	G2003-005 157.41	1	18	624
0-300 psi	G3003-002 157.41	G3003-005 157.41	1	18	624

EPDM Diaphragm

No Gauge	G0002-002 94.65	G0002-005 94.65	1	18	624
0-30 in-Hg	G30V2-002 159.83	G30V2-005 159.83	1	18	624
0-15 psi	G0152-002 151.16	G0152-005 151.16	1	18	624
0-30 psi	G0302-002 151.16	G0302-005 151.16	1	18	624

PVC GAUGE GUARDS (continued)

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
EPDM Diaphragm					
0-60 psi	G0602-002 151.16	G0602-005 151.16	1	18	624
0-100 psi	G1002-002 151.16	G1002-005 151.16	1	18	624
0-160 psi	G1602-002 151.16	G1602-005 151.16	1	18	624
0-200 psi	G2002-002 151.16	G2002-005 151.16	1	18	624
0-300 psi	G3002-002 151.16	G3002-005 151.16	1	18	624

CPVC GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
PTFE Diaphragm					
No Gauge	G0004-002C 128.23	G0004-005C 128.23	1	18	625
0-30 in-Hg	G30V4-002C 216.49	G30V4-005C 216.49	1	18	625
0-15 psi	G0154-002C 204.66	G0154-005C 204.66	1	18	625
0-30 psi	G0304-002C 204.66	G0304-005C 204.66	1	18	625
0-60 psi	G0604-002C 204.66	G0604-005C 204.66	1	18	625
0-100 psi	G1004-002C 204.66	G1004-005C 204.66	1	18	625
0-160 psi	G1604-002C 204.66	G1604-005C 204.66	1	18	625
0-200 psi	G2004-002C 204.66	G2004-005C 204.66	1	18	625
0-300 psi	G3004-002C 204.66	G3004-005C 204.66	1	18	625

Viton® Diaphragm

No Gauge	G0003-002C 128.23	G0003-005C 128.23	1	18	625
0-30 in-Hg	G30V3-002C 216.49	G30V3-005C 216.49	1	18	625
0-15 psi	G0153-002C 204.66	G0153-005C 204.66	1	18	625
0-30 psi	G0303-002C 204.66	G0303-005C 204.66	1	18	625
0-60 psi	G0603-002C 204.66	G0603-005C 204.66	1	18	625
0-100 psi	G1003-002C 204.66	G1003-005C 204.66	1	18	625



Lab Specialty Products Gauge Guards

CPVC GAUGE GUARDS (continued)

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
0-160 psi	G1603-002C 204.66	G1603-005C 204.66	1	18	625
0-200 psi	G2003-002C 204.66	G2003-005C 204.66	1	18	625
0-300 psi	G3003-002C 204.66	G3003-005C 204.66	1	18	625

Viton® Diaphragm

No Gauge	G0002-002C 123.12	G0002-005C 123.12	1	18	625
0-30 in-Hg	G30V2-002C 207.80	G30V2-005C 207.80	1	18	625
0-15 psi	G0152-002C 196.56	G0152-005C 196.56	1	18	625
0-30 psi	G0302-002C 196.56	G0302-005C 196.56	1	18	625
0-60 psi	G0602-002C 196.56	G0602-005C 196.56	1	18	625
0-100 psi	G1002-002C 196.56	G1002-005C 196.56	1	18	625
0-160 psi	G1602-002C 196.56	G1602-005C 196.56	1	18	625
0-200 psi	G2002-002C 196.56	G2002-005C 196.56	1	18	625
0-300 psi	G3002-002C 196.56	G3002-005C 196.56	1	18	625

PP GAUGE GUARDS

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
------	-----------------------	-----------------------	--------	---------	-----------

PTFE Diaphragm

No Gauge	G0004-002P 115.43	G0004-005P 115.43	1	18	626
0-30 in-Hg	G30V4-002P 177.34	G30V4-005P 177.34	1	18	626
0-15 psi	G0154-002P 168.66	G0154-005P 168.66	1	18	626
0-30 psi	G0304-002P 168.66	G0304-005P 168.66	1	18	626
0-60 psi	G0604-002P 168.66	G0604-005P 168.66	1	18	626
0-100 psi	G1004-002P 168.66	G1004-005P 168.66	1	18	626
0-160 psi	G1604-002P 168.66	G1604-005P 168.66	1	18	626
0-200 psi	G2004-002P 168.66	G2004-005P 168.66	1	18	626
0-300 psi	G3004-002P 168.66	G3004-005P 168.66	1	18	626

Viton® Diaphragm

No Gauge	G0003-002P 115.43	G0003-005P 115.43	1	18	626
0-30 in-Hg	G30V3-002P 177.34	G30V3-005P 177.34	1	18	626
0-15 psi	G0153-002P 168.66	G0153-005P 168.66	1	18	626
0-30 psi	G0303-002P 168.66	G0303-005P 168.66	1	18	626
0-60 psi	G0603-002P 168.66	G0603-005P 168.66	1	18	626
0-100 psi	G1003-002P 168.66	G1003-005P 168.66	1	18	626
0-160 psi	G1603-002P 168.66	G1603-005P 168.66	1	18	626
0-200 psi	G2003-002P 168.66	G2003-005P 168.66	1	18	626
0-300 psi	G3003-002P 168.66	G3003-005P 168.66	1	18	626

EPDM Diaphragm

No Gauge	G0002-002P 110.87	G0002-005P 110.87	1	18	626
0-30 in-Hg	G30V2-002P 170.22	G30V2-005P 170.22	1	18	626
0-15 psi	G0152-002P 161.98	G0152-005P 161.98	1	18	626

PP GAUGE GUARDS (continued)

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Disc Code
0-30 psi	G0302-002P 161.98	G0302-005P 161.98	1	18	626
0-60 psi	G0602-002P 161.98	G0602-005P 161.98	1	18	626
0-100 psi	G1002-002P 161.98	G1002-005P 161.98	1	18	626
0-160 psi	G1602-002P 161.98	G1602-005P 161.98	1	18	626
0-200 psi	G2002-002P 161.98	G2002-005P 161.98	1	18	626
0-300 psi	G3002-002P 161.98	G3002-005P 161.98	1	18	626

EPDM Diaphragm

100% Corrosion Resistance - No Metal Parts

Spears® Lab Fixtures have *no metal parts*; this provides full resistance to internal or environmental corrosion. These fixtures are compatible with all laboratory service lines. Lab Fixtures are produced from PVC (gray) and CPVC (for hot water), or special Low-Extractable PVC for high purity applications, and are available in a variety of types and configurations.

- **Deck Mount** – base configuration for horizontal surface mounting.
- **Panel Mount** – base configuration for vertical surface mounting.
- **Standard Gooseneck Units** – select all-plastic needle valve unit (no elastomer seals) for metered flow or ball valve unit (choice of EPDM or Viton® seals) for direct flow. Unit includes valve, gooseneck with serrated tip, and base with nut for mounting. Select Deck or Panel Mount style.
- **Standard Turret Units** – direct flow ball valve (choice of EPDM or Viton® seals) with serrated tip and base with connecting nipple and nut for mounting. Select Deck or Panel Mount style.
- **Remote Valve Units (No Valve)** – same as standard units less valve for use with remotely located valve.
- **Recirculating Units** – Special design provides continuous water motion without dead-leg areas of contamination and potential bacteria build-up. Internal supply tube fully circulates water through the entire fixture when connected to circulating water supply. Unit features gooseneck with terminally mounted all-plastic needle valve and serrated tip (no elastomer seals) for metered flow. Base is Deck Mount only with inlet and outlet connecting nipples with mounting nuts.

NPT - American National Standard Tapered Pipe Thread • NPSM - American National Standard Straight Thread For Free Fitting Mechanical Joints

Viton® is a registered trademark of DuPont Dow Elastomers

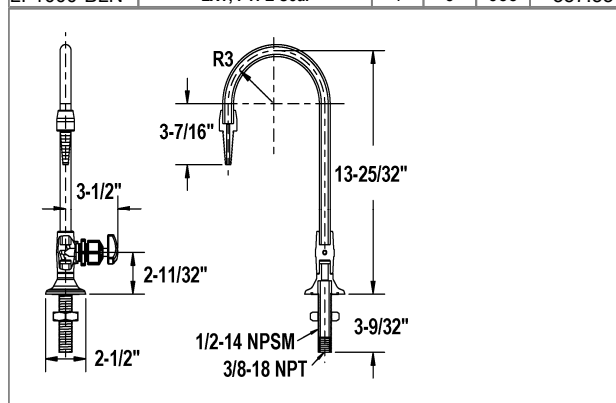
For information on Spears® Low Extractable PVC see publication LXT-4

Standard Gooseneck Units - Deck Mount Lab Fixture -

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Base with Valve, Gooseneck & Serrated Tip with Needle Valve-Metered Flow

LF1000-N	PVC, PTFE Seal	1	0	218	179.79
LF1000-CN	CPVC, PTFE Seal	1	0	219	224.47
LF1000-BLN	LXT, PTFE Seal	1	0	066	357.55



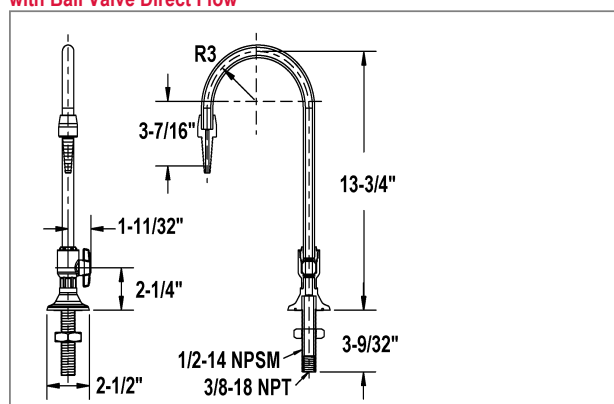
with Ball Valve Direct Flow

LF1002	PVC, EPDM Seal	1	0	218	150.18
LF1003	PVC, Viton® Seal	1	0	218	166.86
LF1002-C	CPVC, EPDM Seal	1	0	219	187.72
LF1003-C	CPVC, Viton® Seal	1	0	219	208.57
LF1002-BL	LXT, EPDM Seal	1	0	066	299.00
LF1003-BL	LXT, Viton® Seal	1	0	066	332.23

Standard Gooseneck Units - Deck Mount Lab Fixture - (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

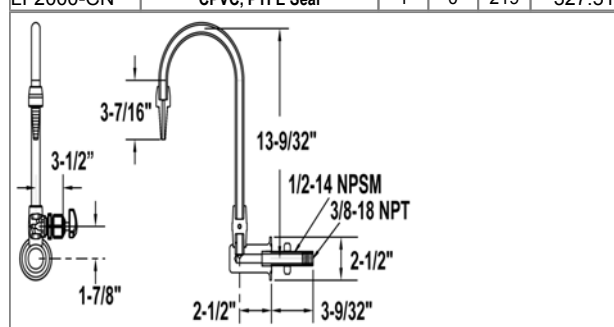
with Ball Valve Direct Flow



Standard Gooseneck Units - Panel Mount Lab Fixture -

Base with Valve, Gooseneck & Serrated Tip with Needle Valve-Metered Flow

LF2000-N	PVC, PTFE Seal	1	0	218	262.02
LF2000-CN	CPVC, PTFE Seal	1	0	219	327.51



Standard Gooseneck Units - Panel Mount Lab Fixture -

with Ball Valve-Direct Flow

LF2002	PVC, EPDM Seal	3	0	218	225.88
LF2003	PVC, Viton® Seal	3	0	218	250.99

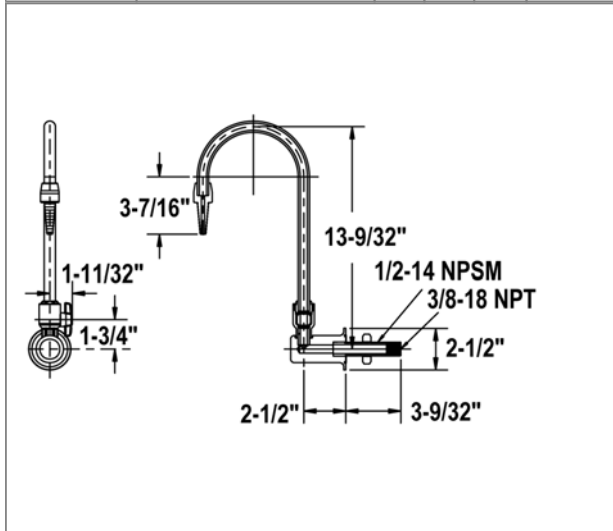


Lab Specialty Products Lab Fixtures

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Standard Gooseneck Units - Panel Mount Lab Fixture - (continued) with Ball Valve-Direct Flow

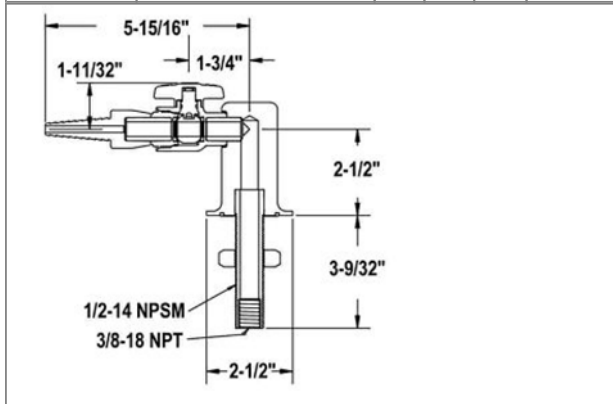
LF2002-C	CPVC, EPDM Seal	1	0	219	282.37
LF2003-C	CPVC, Viton® Seal	1	0	219	313.72



Standard Turret Units - Deck Mount Turret Lab Fixtures Base -

with Valve & Serrated Tip with Ball Valve-Direct Flow

LF4002	PVC, EPDM Seal	1	0	218	190.59
LF4003	PVC, Viton® Seal	1	0	218	211.76
LF4002-C	PVC, EPDM Seal	1	0	219	238.23
LF4003-C	PVC, Viton® Seal	1	0	219	264.71



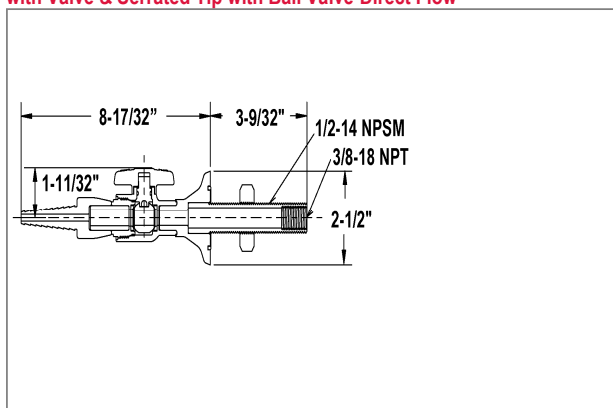
Standard Turret Units - Panel Mount Turret Lab Fixture Base -

with Valve & Serrated Tip with Ball Valve-Direct Flow

LF3002	PVC, EPDM Seal	1	0	218	147.72
LF3003	PVC, Viton® Seal	1	0	218	164.15
LF3002-C	PVC, EPDM Seal	1	0	219	184.67
LF3003-C	PVC, Viton® Seal	1	0	219	205.19
LF3002-BL	PVC, EPDM Seal	1	0	066	294.12
LF3003-BL	PVC, Viton® Seal	1	0	066	326.84

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

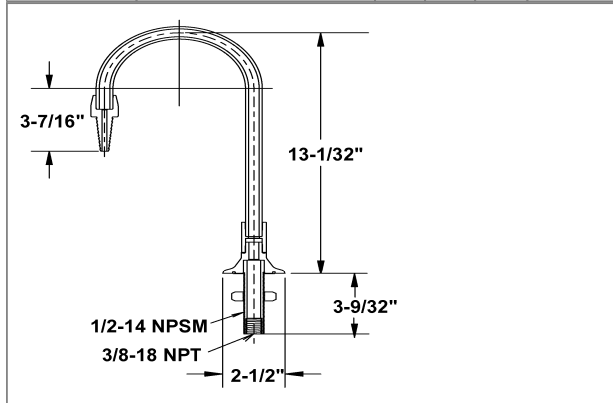
Standard Turret Units - Panel Mount Turret Lab Fixture Base - (continued) with Valve & Serrated Tip with Ball Valve-Direct Flow



Remote Valve Units (No Valve) - Deck Mount Gooseneck -

Base with Gooseneck & Serrated Tip

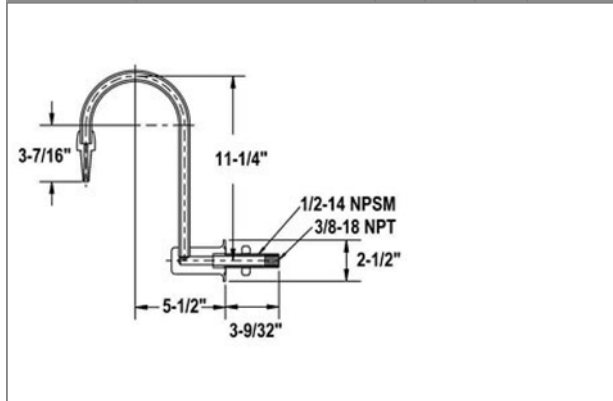
LF100	PVC	1	0	218	123.24
LF100-C	CPVC	1	0	219	154.06
LF100-BL	LXT	1	0	066	245.37



Remote Valve Units (No Valve) - Panel Mount Gooseneck -

Base with Gooseneck & Serrated Tip

LF104	PVC	1	0	218	152.23
LF104-C	CPVC	1	0	219	190.29



Lab Specialty Products Lab Fixtures



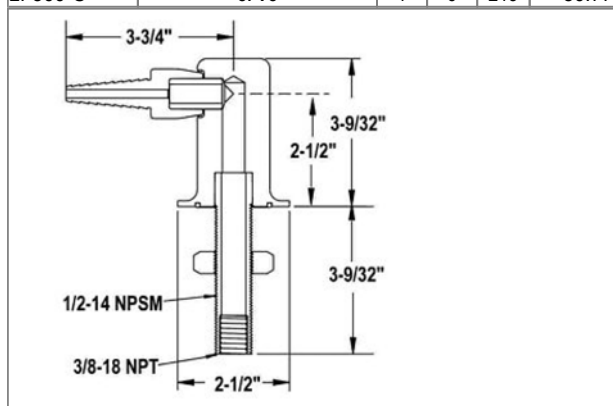
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Remote Valve Units (No Valve) - Deck Mount

Turret -

Base with Serrated Tip

LF300	PVC	1	0	218	40.61
LF300-C	CPVC	1	0	219	50.77

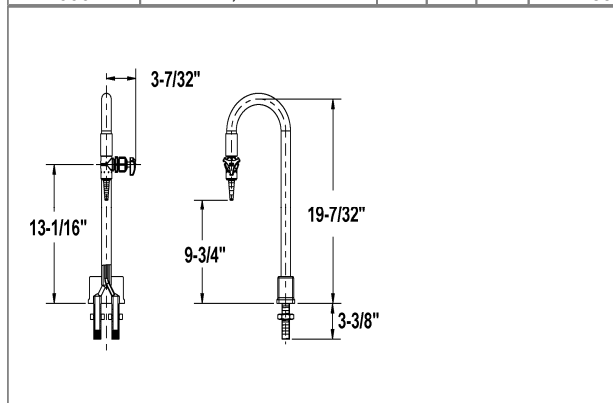


Recirculating Units - Recirculating Deck Mount

Lab Fixture -

Base with Gooseneck, Valve & Serrated Tip with Needle Valve

LFR1000-N	PVC, PTFE Seal	1	0	218	312.89
LFR1000-CN	CPVC, PTFE Seal	1	0	219	467.63
LFR1000-BLN	LXT, PTFE Seal	1	0	066	744.85



Accessory/Replacement - Fixture Connection

Nipple -

(included on all fixtures above) with Locknut

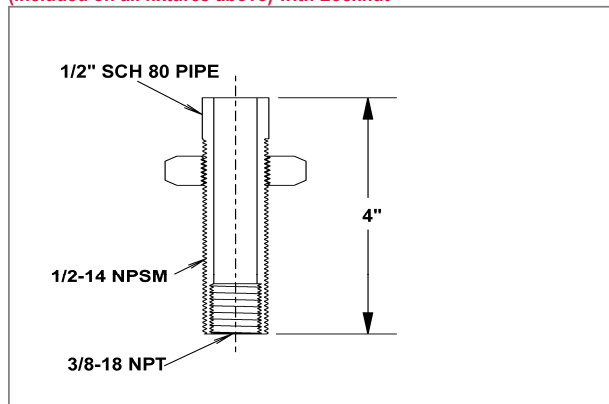
LF500	PVC	1	0	218	20.39
LF500-C	CPVC	1	0	219	25.50
LF500-BL	LXT	1	0	066	40.64

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Accessory/Replacement - Fixture Connection Nipple -

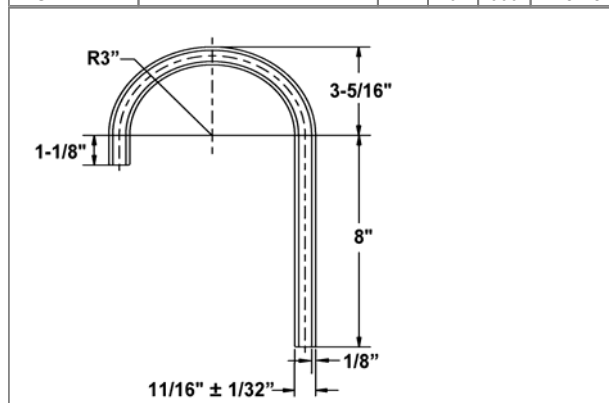
(continued)

(included on all fixtures above) with Locknut



Accessory/Replacement - Gooseneck (3/8")

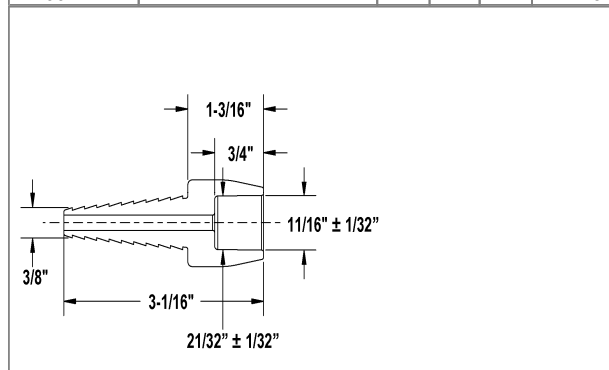
LFGN	PVC	1	0	218	17.33
LFGN-C	CPVC	1	0	219	21.69
LFGN-BL	LXT	1	0	066	34.54



Accessory/Replacement - Straight Serrated

Tip

LF400	PVC	600	0	218	3.67
LF400-C	CPVC	600	0	219	4.61
LF400-BL	LXT	600	0	066	7.31



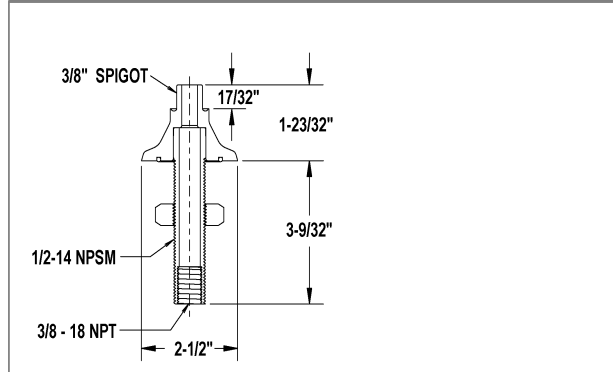


Lab Specialty Products Lab Fixtures

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Accessory/Replacement - Base Deck Mount

LFB	PVC	1	0	218	7.48
LFB-C	CPVC	1	0	219	8.93
LFB-BL	LXT	1	0	066	5.11



Fume & Air Duct PVC & CPVC Duct & Fabricated Duct Fittings



Seamless Round Duct & Duct Fittings

Spears® Fabricated Duct Fittings are formed from extruded Seamless Round Duct to provide the high corrosion resistance of thermoplastics in PVC and higher temperature handling in CPVC materials for aggressive corrosive fume exhaust and drain applications.

- Excellent Chemical Resistance to a wide range of corrosive fumes, gasses and fluids.
- Large interior diameters for optimum flow characteristics.
- Light weight provides easier handling, installation, and fabrication for lower overall installed cost.

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Round Seamless Duct Dimensions

Size (in.)	AVG. O.D.	AVG. O.D.TOL.	O/R TOL.	MIN. Wall	AVG. Wall	MAX. Wall	PVC lbs. Per Ft.	CPVC lbs. Per Ft.
6	6.625	+/- .020	+/- .050	0.172	0.187	0.202	2.275	2.555
8	8.625	+/- .020	+/- .075	0.172	0.187	0.202	2.982	3.349
10	10.750	+/- .025	+/- .075	0.172	0.187	0.202	3.733	4.192
12	12.750	+/- .025	+/- .075	0.172	0.187	0.202	4.440	4.986
14	14.000	+/- .030	+/- .075	0.172	0.187	0.202	4.884	5.485
16	16.000	+/- .030	+/- .075	0.172	0.187	0.202	5.586	6.273
18	18.000	+/- .040	+/- .080	0.172	0.187	0.202	6.750	7.580
20	20.000	+/- .070	+/- .140	0.199	0.219	0.239	8.144	9.146
24	24.000	+/- .090	+/- .180	0.230	0.250	0.270	11.163	12.536

O/R = Out of Round at time of production

Cold Rolled Fabricated Duct

Round duct above 24" nominal size is cold rolled from extruded PVC or CPVC sheet material. The seam is thermal fused utilizing a computerized welding machine. The sheet edges are heated and pressed together pneumatically achieving 100% weld strength using no filler rod. Wall thickness is 3/16" for sizes up to 32" diameter. Above 32" diameter, 1/4" material will be used, unless otherwise specified. Cold rolled duct is produced in 4' lengths. Large duct fittings can be fabricated to order. Contact Spears® with requirements for additional information.

SMACNA FLANGE SPECIFICATIONS

Nominal Duct Size	Flange Outside Dia.	Flange Thickness	Bolt Circle Dia.	Bolt Hole Dia.	No. Of Bolts
6	10"	1/4"	8-1/2"	5/16"	8
7	11"	1/4"	9-1/2"	5/16"	8
8	12"	1/4"	10-1/2"	5/16"	10
9	13"	1/4"	11-1/2"	5/16"	10
10	14"	1/4"	12-1/2"	5/16"	12
11	15"	1/4"	13-1/2"	5/16"	12
12	16"	1/4"	14-3/8"	5/16"	16
14	18"	1/4"	16-1/2"	5/16"	16
16	20"	1/4"	18-1/2"	5/16"	18
18	22"	1/4"	20-1/2"	5/16"	20
20	24"	1/4"	22-1/2"	5/16"	22
24	28"	1/4"	26-1/2"	5/16"	24



Fume & Air Duct PVC & CPVC Round Seamless Duct & PVC & CPVC Cold Rolled Fabricated Duct

PVC & CPVC Round Seamless Duct

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

10' PVC Duct - Plain End

Price Per Foot

PD-430-060-10	6	10	0	748	12.35
PD-430-080-10	8	10	0	748	15.55
PD-430-100-10	10	10	0	748	19.48
PD-430-120-10	12	10	0	748	23.17
PD-430-140-10	14	10	0	948	83.71
PD-430-160-10	16	10	0	948	95.65
PD-430-180-10	18	10	0	948	141.53
PD-430-200-10	20	10	0	948	177.68
PD-430-240-10	24	10	0	948	225.58

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

20' PVC Duct - Plain End

Price Per Foot

PD-430-060	6	20	0	748	12.35
PD-430-080	8	20	0	748	15.55
PD-430-100	10	20	0	748	19.48
PD-430-120	12	20	0	748	23.17
PD-430-140	14	20	0	948	83.71
PD-430-160	16	20	0	948	95.65
PD-430-180	18	20	0	948	141.53
PD-430-200	20	20	0	948	177.68
PD-430-240	24	20	0	948	225.58

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

10' CPVC Duct - Plain End

Price Per Foot

PD-430-060C-10	6	10	0	749	24.79
PD-430-080C-10	8	10	0	749	32.51
PD-430-100C-10	10	10	0	749	40.69
PD-430-120C-10	12	10	0	749	48.38
PD-430-140C-10	14	10	0	949	313.25
PD-430-160C-10	16	10	0	949	379.15

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

20' CPVC Duct - Plain End

Price Per Foot

PD-430-060C	6	20	0	749	24.79
PD-430-080C	8	20	0	749	32.51
PD-430-100C	10	20	0	749	40.69
PD-430-120C	12	20	0	749	48.38
PD-430-140C	14	20	0	949	313.25
PD-430-160C	16	20	0	949	379.15
PD-430-180C	18	20	0	949	435.79
PD-430-200C	20	20	0	949	597.42
PD-430-240C	24	20	0	949	705.80

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

PVC & CPVC Cold Rolled Fabricated Duct

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

4' PVC Cold Rolled Duct - Plain End

Price Per Foot

PD-430-260	26X4	4	0	434	412.90
PD-430-280	28X4	4	0	434	491.86
PD-430-300	30X4	4	0	434	603.40
PD-430-320	32X4	4	0	434	649.97
PD-430-360	36X4	4	0	434	735.61
PD-430-380	38X4	4	0	434	798.59
PD-430-400	40X4	4	0	434	818.70
PD-430-420	42X4	4	0	434	1385.00
PD-430-460	46X4	4	0	434	1017.31
PD-430-480	48X4	4	0	434	1092.77

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

4' CPVC Cold Rolled Duct - Plain End

Price Per Foot

PD-430-260C	26X4	4	0	435	1234.28
PD-430-280C	28X4	4	0	435	1420.36
PD-430-300C	30X4	4	0	435	1576.67
PD-430-320C	32X4	4	0	435	1627.51

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

4' CPVC Cold Rolled Duct - Plain End (continued)

Price Per Foot

PD-430-360C	36X4	4	0	435	1739.57
PD-430-380C	38X4	4	0	435	1924.70
PD-430-400C	40X4	4	0	435	2016.80
PD-430-420C	42X4	4	0	435	2115.05
PD-430-460C	46X4	4	0	435	2379.54
PD-430-480C	48X4	4	0	435	2742.23

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

Fume & Air Duct PVC & CPVC Duct Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC TEE

Belled Socket



4301-060	6	1	4	430	185.67
4301-080	8	1	0	430	236.30
4301-100	10	1	0	430	298.07
4301-120	12	1	0	430	328.40
4301-140	14	1	0	430	381.99
4301-160	16	1	0	430	492.10
4301-180	18	1	0	430	647.62
4301-200	20	1	0	430	951.69
4301-240	24	1	0	430	1271.96

PVC REDUCING TEE

Belled Socket



4301-532	6X4	1	4	430	206.76
4301-582	8X4	1	2	430	215.28
4301-585	8X6	1	0	430	228.17
4301-624	10X4	1	2	430	242.35
4301-626	10X6	1	0	430	253.52
4301-628	10X8	1	0	430	312.36
4301-664	12X4	1	2	430	290.90
4301-666	12X6	1	0	430	328.39
4301-668	12X8	1	0	430	350.00
4301-670	12X10	1	0	430	405.76
4301-694	14X4	1	0	430	327.33
4301-696	14X6	1	0	430	354.59
4301-698	14X8	1	0	430	378.95
4301-700	14X10	1	0	430	416.98
4301-702	14X12	1	0	430	489.66
4301-754	16X4	1	0	430	362.20
4301-756	16X6	1	0	430	384.94
4301-758	16X8	1	0	430	435.09
4301-760	16X10	1	0	430	484.96
4301-762	16X12	1	0	430	519.94
4301-764	16X14	1	0	430	588.30
4301-784	18X4	1	0	430	404.15
4301-786	18X6	1	0	430	424.04
4301-788	18X8	1	0	430	481.21
4301-790	18X10	1	0	430	525.69
4301-792	18X12	1	0	430	589.99
4301-794	18X14	1	0	430	643.57
4301-796	18X16	1	0	430	745.60
4301-814	20X4	1	0	430	456.27
4301-816	20X6	1	0	430	469.49
4301-818	20X8	1	0	430	531.38
4301-820	20X10	1	0	430	558.07
4301-822	20X12	1	0	430	641.47
4301-824	20X14	1	0	430	707.30
4301-826	20X16	1	0	430	828.13
4301-828	20X18	1	0	430	990.48
4301-904	24X4	1	0	430	478.96
4301-906	24X6	1	0	430	499.80
4301-908	24X8	1	0	430	574.45
4301-910	24X10	1	0	430	652.80
4301-912	24X12	1	0	430	760.67
4301-914	24X14	1	0	430	840.57
4301-916	24X16	1	0	430	927.87
4301-918	24X18	1	0	430	1105.24
4301-920	24X20	1	0	430	1268.71

PVC 90° ELBOW

Belled Socket



4306-060	6	1	2	430	146.69
----------	---	---	---	-----	--------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC 90° ELBOW (continued)

Belled Socket

4306-080	8	1	2	430	165.30
4306-100	10	1	0	430	199.46
4306-120	12	1	0	430	224.93
4306-140	14	1	0	430	265.19
4306-160	16	1	0	430	342.61
4306-180	18	1	0	430	476.81
4306-200	20	1	0	430	725.30
4306-240	24	1	0	430	874.94

PVC 45° ELBOW

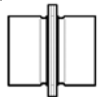
Belled Socket



4317-060	6	1	4	430	102.77
4317-080	8	1	6	430	128.12
4317-100	10	1	2	430	138.87
4317-120	12	1	2	430	172.02
4317-140	14	1	0	430	203.21
4317-160	16	1	0	430	246.27
4317-180	18	1	0	430	359.45
4317-200	20	1	0	430	493.11
4317-240	24	1	0	430	641.73

PVC BLAST GATE

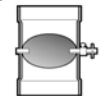
Belled End



43BG-060	6	1	0	430	245.62
43BG-080	8	1	2	430	279.21
43BG-100	10	1	0	430	295.94
43BG-120	12	1	2	430	370.82
43BG-140	14	1	0	430	492.22
43BG-160	16	1	0	430	546.98
43BG-180	18	1	0	430	645.28
43BG-200	20	1	0	430	732.35
43BG-240	24	1	2	430	997.87

PVC BUTTERFLY DAMPER

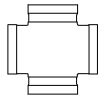
Belled Socket



43BD-060	6	1	2	430	240.57
43BD-080	8	1	2	430	247.95
43BD-100	10	1	0	430	284.02
43BD-120	12	1	0	430	304.36
43BD-140	14	1	2	430	407.51
43BD-160	16	1	0	430	454.13
43BD-180	18	1	0	430	616.36
43BD-200	20	1	0	430	726.34
43BD-240	24	1	0	430	938.73

PVC CROSS

Belled Socket



4320-060	6	1	0	430	325.52
4320-080	8	1	0	430	447.99
4320-100	10	1	0	430	534.29
4320-120	12	1	0	430	579.54
4320-140	14	1	0	430	717.33
4320-160	16	1	0	430	820.62
4320-180	18	1	0	430	1046.41
4320-200	20	1	0	430	1278.62
4320-240	24	1	0	430	1684.29

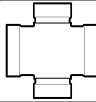


Fume & Air Duct PVC & CPVC Duct Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC REDUCING CROSS

Belled Socket



4320-532	6X4	1	3	430	309.78
4320-582	8X4	1	0	430	383.45
4320-585	8X6	1	0	430	405.82
4320-624	10X4	1	0	430	423.12
4320-626	10X6	1	0	430	474.47
4320-628	10X8	1	0	430	500.50
4320-664	12X4	1	0	430	412.88
4320-666	12X6	1	0	430	451.95
4320-668	12X8	1	0	430	508.36
4320-670	12X10	1	0	430	541.13
4320-694	14X4	1	0	430	445.82
4320-696	14X6	1	0	430	512.88
4320-698	14X8	1	0	430	573.71
4320-700	14X10	1	0	430	623.31
4320-702	14X12	1	0	430	691.72
4320-754	16X4	1	0	430	576.99
4320-756	16X6	1	0	430	636.53
4320-758	16X8	1	0	430	684.94
4320-760	16X10	1	0	430	719.12
4320-762	16X12	1	0	430	751.14
4320-764	16X14	1	0	430	788.46
4320-784	18X4	1	0	430	653.66
4320-786	18X6	1	0	430	740.60
4320-788	18X8	1	0	430	782.14
4320-790	18X10	1	0	430	833.99
4320-792	18X12	1	0	430	885.71
4320-794	18X14	1	0	430	959.72
4320-796	18X16	1	0	430	1002.91
4320-814	20X4	1	0	430	765.48
4320-816	20X6	1	0	430	848.10
4320-818	20X8	1	0	430	909.94
4320-820	20X10	1	0	430	957.43
4320-822	20X12	1	0	430	1018.72
4320-824	20X14	1	0	430	1087.02
4320-826	20X16	1	0	430	1149.44
4320-828	20X18	1	0	430	1238.16
4320-904	24X4	1	0	430	842.39
4320-906	24X6	1	0	430	858.62
4320-908	24X8	1	0	430	948.87
4320-910	24X10	1	0	430	1046.67
4320-912	24X12	1	0	430	1154.62
4320-914	24X14	1	0	430	1261.67
4320-916	24X16	1	0	430	1352.12
4320-918	24X18	1	0	430	1494.46
4320-920	24X20	1	0	430	1589.49

PVC COUPLING

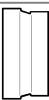
Belled Socket



4329-060	6	1	4	430	39.73
4329-080	8	1	4	430	46.66
4329-100	10	1	2	430	54.98
4329-120	12	1	4	430	62.10
4329-140	14	1	2	430	68.11
4329-160	16	1	2	430	84.09
4329-180	18	1	2	430	122.84
4329-200	20	1	2	430	189.82
4329-240	24	1	0	430	256.98

PVC REDUCER COUPLING

Belled Socket



4329-532	6X4	1	4	430	51.90
----------	-----	---	---	-----	-------

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC REDUCER COUPLING (continued)

Belled Socket

4329-582	8X4	1	5	430	160.47
4329-585	8X6	1	8	430	68.05
4329-624	10X4	1	2	430	299.93
4329-626	10X6	1	2	430	186.47
4329-628	10X8	1	4	430	87.44
4329-664	12X4	1	2	430	334.07
4329-666	12X6	1	2	430	322.63
4329-668	12X8	1	2	430	233.46
4329-670	12X10	1	4	430	101.77
4329-694	14X4	1	0	430	829.78
4329-696	14X6	1	0	430	601.17
4329-698	14X8	1	0	430	353.47
4329-700	14X10	1	0	430	292.00
4329-702	14X12	1	4	430	167.06
4329-754	16X4	1	0	430	1002.29
4329-756	16X6	1	0	430	811.90
4329-758	16X8	1	0	430	585.59
4329-760	16X10	1	0	430	407.33
4329-762	16X12	1	0	430	347.10
4329-764	16X14	1	0	430	188.79
4329-784	18X4	1	0	430	1252.19
4329-786	18X6	1	0	430	1022.82
4329-788	18X8	1	0	430	876.69
4329-790	18X10	1	0	430	598.77
4329-792	18X12	1	0	430	514.71
4329-794	18X14	1	0	430	434.54
4329-796	18X16	1	0	430	216.84
4329-814	20X4	1	0	430	1496.40
4329-816	20X6	1	0	430	1281.05
4329-818	20X8	1	0	430	1044.35
4329-820	20X10	1	0	430	939.18
4329-822	20X12	1	0	430	820.28
4329-824	20X14	1	0	430	615.18
4329-826	20X16	1	0	430	599.32
4329-828	20X18	1	0	430	382.48
4329-904	24X4	1	0	430	1911.22
4329-906	24X6	1	0	430	1709.34
4329-908	24X8	1	0	430	1486.53
4329-910	24X10	1	0	430	1268.68
4329-912	24X12	1	0	430	1070.43
4329-914	24X14	1	0	430	941.96
4329-916	24X16	1	0	430	772.16
4329-918	24X18	1	0	430	709.22
4329-920	24X20	1	0	430	695.81

PVC SLEEVE COUPLING

Socket (No Stop)



4329S-060	6	1	5	430	32.84
4329S-080	8	1	8	430	43.19
4329S-100	10	1	4	430	48.65
4329S-120	12	1	4	430	53.15
4329S-140	14	1	4	430	68.18
4329S-160	16	1	0	430	75.44
4329S-180	18	1	2	430	99.72
4329S-200	20	1	2	430	125.18
4329S-240	24	1	2	430	145.17

PVC FLAT CAP

Belled Socket



4347-060	6	1	10	430	81.64
4347-080	8	1	5	430	83.10
4347-100	10	1	5	430	89.61
4347-120	12	1	4	430	98.00

Fume & Air Duct PVC & CPVC Duct Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC FLAT CAP (continued)

Belled Socket

4347-140	14	1	4	430	158.00
4347-160	16	1	2	430	172.18
4347-180	18	1	4	430	187.61
4347-200	20	1	5	430	279.62
4347-240	24	1	4	430	285.86

PVC RAIN CAP

Belled Socket Style A



4347-060A	6	1	4	430	621.77
4347-080A	8	1	0	430	624.70
4347-100A	10	1	0	430	650.63
4347-120A	12	1	0	430	673.70
4347-140A	14	1	0	430	737.80
4347-160A	16	1	0	430	805.32
4347-180A	18	1	0	430	1074.48
4347-200A	20	1	0	430	1143.38
4347-240A	24	1	0	430	1295.49

PVC RAIN CAP

Belled Socket Style B



4347-060B	6	1	0	430	587.26
4347-080B	8	1	0	430	664.55
4347-100B	10	1	0	430	718.54
4347-120B	12	1	8	430	782.39
4347-140B	14	1	0	430	879.50
4347-160B	16	1	0	430	1066.93
4347-180B	18	1	0	430	1289.91
4347-200B	20	1	0	430	1479.97
4347-240B	24	1	0	430	1713.09

PVC DUCT FLANGE

Belled Socket One Piece



SMACNA Bolt Pattern

4351S-060	6	1	5	430	84.61
4351S-080	8	1	2	430	107.54
4351S-100	10	1	2	430	114.91
4351S-120	12	1	2	430	134.06
4351S-140	14	1	0	430	147.05
4351S-160	16	1	0	430	189.69
4351S-180	18	1	3	430	282.73
4351S-200	20	1	0	430	346.80
4351S-240	24	1	0	430	373.31

See SMACNA Flange Specifications at the front of this catalog.
Also available in ANSI Class 150 Bolt Pattern.

PVC BLIND DUCT FLANGE

One Piece



Class 150 Bolt Pattern

4353-060	6	1	36	430	81.85
4353-080	8	1	52	430	102.68
4353-100	10	1	18	430	113.27
4353-120	12	1	50	430	136.15
4353-140	14	1	50	430	173.27
4353-160	16	1	50	430	197.00
4353-180	18	1	50	430	239.93
4353-200	20	1	57	430	334.64
4353-240	24	1	0	430	360.23

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC BLIND DUCT FLANGE

One Piece



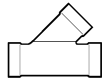
SMACNA Bolt Pattern

4353S-060	6	0	0	430	87.10
4353S-080	8	1	10	430	109.23
4353S-100	10	1	52	430	120.49
4353S-120	12	1	52	430	144.85
4353S-140	14	1	52	430	184.34
4353S-160	16	1	50	430	209.57
4353S-180	18	1	50	430	259.69
4353S-200	20	1	50	430	355.98
4353S-240	24	1	0	430	383.21

See SMACNA Flange Specifications at the front of this catalog.

PVC WYE

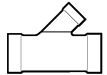
Belled Socket



4375-060	6	1	2	430	255.80
4375-080	8	1	0	430	308.40
4375-100	10	1	0	430	382.28
4375-120	12	1	0	430	509.41
4375-140	14	1	0	430	589.87
4375-160	16	1	0	430	1473.05
4375-180	18	1	0	430	2162.96
4375-200	20	1	0	430	3511.56
4375-240	24	1	0	430	1608.61

PVC REDUCING WYE

Belled Socket



4375-532	6X4	1	2	430	249.29
4375-582	8X4	1	2	430	272.60
4375-585	8X6	1	0	430	286.00
4375-624	10X4	1	0	430	310.17
4375-626	10X6	1	0	430	332.50
4375-628	10X8	1	0	430	364.68
4375-664	12X4	1	0	430	339.41
4375-666	12X6	1	0	430	357.15
4375-668	12X8	1	0	430	405.20
4375-670	12X10	1	0	430	453.69
4375-694	14X4	1	0	430	396.68
4375-696	14X6	1	0	430	424.48
4375-698	14X8	1	0	430	454.91
4375-700	14X10	1	0	430	519.48
4375-702	14X12	1	0	430	582.52
4375-754	16X4	1	0	430	470.70
4375-756	16X6	1	0	430	503.50
4375-758	16X8	1	0	430	521.65
4375-760	16X10	1	0	430	551.77
4375-762	16X12	1	0	430	602.79
4375-764	16X14	1	0	430	685.38
4375-784	18X4	1	0	430	553.68
4375-786	18X6	1	0	430	577.53
4375-788	18X8	1	0	430	628.89
4375-790	18X10	1	0	430	659.99
4375-792	18X12	1	0	430	695.21
4375-794	18X14	1	0	430	789.69
4375-796	18X16	1	0	430	924.74
4375-814	20X4	1	0	430	623.46
4375-816	20X6	1	0	430	663.50
4375-818	20X8	1	0	430	704.63
4375-820	20X10	1	0	430	745.06
4375-822	20X12	1	0	430	791.37
4375-824	20X14	1	0	430	841.61
4375-826	20X16	1	0	430	1005.46



Fume & Air Duct PVC & CPVC Duct Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC REDUCING WYE (continued)

Belled Socket

4375-828	20X18	1	0	430	1156.86
4375-904	24X4	1	0	430	748.94
4375-906	24X6	1	0	430	791.29
4375-908	24X8	1	0	430	865.79
4375-910	24X10	1	0	430	956.50
4375-912	24X12	1	0	430	1018.91
4375-914	24X14	1	0	430	1115.76
4375-916	24X16	1	0	430	1163.37
4375-918	24X18	1	0	430	1319.73
4375-920	24X20	1	0	430	1491.72

CPVC TEE

Belled Socket



4301-060C	6	1	4	432	342.14
4301-080C	8	1	0	432	454.53
4301-100C	10	1	0	432	636.00
4301-120C	12	1	0	432	768.94
4301-140C	14	1	0	432	902.53
4301-160C	16	1	0	432	1118.31
4301-180C	18	1	0	432	1331.14
4301-200C	20	1	0	432	1844.78
4301-240C	24	1	0	432	2634.14

CPVC REDUCING TEE

Belled Socket



4301-532C	6X4	1	4	432	294.04
4301-582C	8X4	1	2	432	338.87
4301-585C	8X6	1	0	432	392.84
4301-624C	10X4	1	2	432	424.01
4301-626C	10X6	1	0	432	485.40
4301-628C	10X8	1	0	432	532.94
4301-664C	12X4	1	2	432	488.62
4301-666C	12X6	1	0	432	521.73
4301-668C	12X8	1	0	432	635.63
4301-670C	12X10	1	0	432	745.21
4301-694C	14X4	1	0	432	618.51
4301-696C	14X6	1	0	432	650.79
4301-698C	14X8	1	0	432	725.47
4301-700C	14X10	1	0	432	843.29
4301-702C	14X12	1	0	432	875.53
4301-754C	16X4	1	0	432	680.38
4301-756C	16X6	1	0	432	716.18
4301-758C	16X8	1	0	432	795.76
4301-760C	16X10	1	0	432	925.33
4301-762C	16X12	1	0	432	988.10
4301-764C	16X14	1	0	432	1137.80
4301-784C	18X4	1	0	432	860.16
4301-786C	18X6	1	0	432	924.93
4301-788C	18X8	1	0	432	982.69
4301-790C	18X10	1	0	432	1056.67
4301-792C	18X12	1	0	432	1124.11
4301-794C	18X14	1	0	432	1266.49
4301-796C	18X16	1	0	432	1311.93
4301-814C	20X4	1	0	432	1031.69
4301-816C	20X6	1	0	432	1075.95
4301-818C	20X8	1	0	432	1208.94
4301-820C	20X10	1	0	432	1261.93
4301-822C	20X12	1	0	432	1342.48
4301-824C	20X14	1	0	432	1443.54
4301-826C	20X16	1	0	432	1609.23
4301-828C	20X18	1	0	432	1841.20
4301-904C	24X4	1	0	432	1193.85
4301-906C	24X6	1	0	432	1373.06

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC REDUCING TEE (continued)

Belled Socket

4301-908C	24X8	1	0	432	1460.69
4301-910C	24X10	1	0	432	1537.60
4301-912C	24X12	1	0	432	1671.30
4301-914C	24X14	1	0	432	1797.09
4301-916C	24X16	1	0	432	1911.80
4301-918C	24X18	1	0	432	2238.52
4301-920C	24X20	1	0	432	2553.61

CPVC 90° ELBOW

Belled Socket



4306-060C	6	1	2	432	241.70
4306-080C	8	1	2	432	323.95
4306-100C	10	1	0	432	440.59
4306-120C	12	1	0	432	526.87
4306-140C	14	1	0	432	662.17
4306-160C	16	1	0	432	812.04
4306-180C	18	1	0	432	1023.12
4306-200C	20	1	0	432	1447.67
4306-240C	24	1	0	432	1936.52

CPVC 45° ELBOW

Belled Socket



4317-060C	6	1	4	432	184.73
4317-080C	8	1	6	432	247.15
4317-100C	10	1	2	432	333.98
4317-120C	12	1	2	432	403.91
4317-140C	14	1	0	432	497.99
4317-160C	16	1	0	432	573.44
4317-180C	18	1	0	432	772.84
4317-200C	20	1	0	432	1042.97
4317-240C	24	1	0	432	1466.50

CPVC BLAST GATE

Belled End



43BG-060C	6	1	0	432	550.61
43BG-080C	8	1	2	432	675.31
43BG-100C	10	1	0	432	833.32
43BG-120C	12	1	0	432	953.31
43BG-140C	14	1	0	432	1192.49
43BG-160C	16	1	0	432	1407.21
43BG-180C	18	1	0	432	1787.14
43BG-200C	20	1	0	432	2162.39
43BG-240C	24	1	0	432	2919.21

CPVC BUTTERFLY DAMPER

Belled Socket



43BD-060C	6	1	2	432	378.79
43BD-080C	8	1	4	432	413.77
43BD-100C	10	1	0	432	534.20
43BD-120C	12	1	4	432	648.24
43BD-140C	14	1	0	432	776.28
43BD-160C	16	1	0	432	901.98
43BD-180C	18	1	0	432	1152.10
43BD-200C	20	1	0	432	1394.34
43BD-240C	24	1	0	432	1891.15

CPVC CROSS

Belled Socket



4320-060C	6	1	0	432	677.41
-----------	---	---	---	-----	--------

Fume & Air Duct PVC & CPVC Duct Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC CROSS (continued)

Belled Socket

4320-080C	8	1	0	432	899.96
4320-100C	10	1	0	432	1259.27
4320-120C	12	1	0	432	1522.51
4320-140C	14	1	0	432	1787.01
4320-160C	16	1	0	432	2214.27
4320-180C	18	1	0	432	2635.65
4320-200C	20	1	0	432	3652.68
4320-240C	24	1	0	432	5215.57

CPVC REDUCING CROSS

Belled Socket

4320-532C	6X4	1	3	432	600.36
4320-582C	8X4	1	0	432	744.55
4320-585C	8X6	1	0	432	785.68
4320-624C	10X4	1	0	432	839.53
4320-626C	10X6	1	0	432	961.11
4320-628C	10X8	1	0	432	1055.20
4320-664C	12X4	1	0	432	967.48
4320-666C	12X6	1	0	432	1033.03
4320-668C	12X8	1	0	432	1258.56
4320-670C	12X10	1	0	432	1475.51
4320-694C	14X4	1	0	432	1224.65
4320-696C	14X6	1	0	432	1288.60
4320-698C	14X8	1	0	432	1436.43
4320-700C	14X10	1	0	432	1669.71
4320-702C	14X12	1	0	432	1733.55
4320-754C	16X4	1	0	432	1347.14
4320-756C	16X6	1	0	432	1418.05
4320-758C	16X8	1	0	432	1575.63
4320-760C	16X10	1	0	432	1832.14
4320-762C	16X12	1	0	432	1956.40
4320-764C	16X14	1	0	432	2252.85
4320-784C	18X4	1	0	432	1703.16
4320-786C	18X6	1	0	432	1831.33
4320-788C	18X8	1	0	432	1945.74
4320-790C	18X10	1	0	432	2092.19
4320-792C	18X12	1	0	432	2225.74
4320-794C	18X14	1	0	432	2507.65
4320-796C	18X16	1	0	432	2597.63
4320-814C	20X4	1	0	432	2042.76
4320-816C	20X6	1	0	432	2130.39
4320-818C	20X8	1	0	432	2393.71
4320-820C	20X10	1	0	432	2498.63
4320-822C	20X12	1	0	432	2658.12
4320-824C	20X14	1	0	432	2858.17
4320-826C	20X16	1	0	432	3186.30
4320-828C	20X18	1	0	432	3645.57
4320-904C	24X4	1	0	432	2363.82
4320-906C	24X6	1	0	432	2718.68
4320-908C	24X8	1	0	432	2892.18
4320-910C	24X10	1	0	432	3044.40
4320-912C	24X12	1	0	432	3309.16
4320-914C	24X14	1	0	432	3558.21
4320-916C	24X16	1	0	432	3785.34
4320-918C	24X18	1	0	432	4432.26
4320-920C	24X20	1	0	432	5056.14

CPVC COUPLING

Belled Socket

4329-060C	6	1	4	432	84.87
4329-080C	8	1	8	432	108.22
4329-100C	10	1	2	432	142.55
4329-120C	12	1	3	432	158.77

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC COUPLING (continued)

Belled Socket

4329-140C	14	1	2	432	196.44
4329-160C	16	1	0	432	214.35
4329-180C	18	1	0	432	267.96
4329-200C	20	1	0	432	336.88
4329-240C	24	1	2	432	414.39

CPVC REDUCER COUPLING

Belled Socket

4329-532C	6X4	1	4	432	165.68
4329-582C	8X4	1	8	432	407.98
4329-585C	8X6	1	8	432	160.49
4329-624C	10X4	1	2	432	562.01
4329-626C	10X6	1	2	432	416.12
4329-628C	10X8	1	4	432	212.89
4329-664C	12X4	1	2	432	794.22
4329-666C	12X6	1	2	432	629.12
4329-668C	12X8	1	2	432	546.87
4329-670C	12X10	1	0	432	291.23
4329-694C	14X4	1	0	432	1020.12
4329-696C	14X6	1	0	432	816.11
4329-698C	14X8	1	0	432	693.71
4329-700C	14X10	1	0	432	710.87
4329-702C	14X12	1	0	432	398.66
4329-754C	16X4	1	0	432	1328.76
4329-756C	16X6	1	0	432	1057.94
4329-758C	16X8	1	0	432	896.56
4329-760C	16X10	1	0	432	851.43
4329-762C	16X12	1	0	432	828.53
4329-764C	16X14	1	0	432	512.20
4329-784C	18X4	1	0	432	1607.07
4329-786C	18X6	1	0	432	1290.83
4329-788C	18X8	1	0	432	1093.91
4329-790C	18X10	1	0	432	1035.89
4329-792C	18X12	1	0	432	997.98
4329-794C	18X14	1	0	432	970.32
4329-796C	18X16	1	0	432	602.00
4329-814C	20X4	1	0	432	2095.00
4329-816C	20X6	1	0	432	1689.53
4329-818C	20X8	1	0	432	1439.34
4329-820C	20X10	1	0	432	1357.85
4329-822C	20X12	1	0	432	1302.03
4329-824C	20X14	1	0	432	1228.36
4329-826C	20X16	1	0	432	1206.45
4329-828C	20X18	1	0	432	879.35
4329-904C	24X4	1	0	432	2691.68
4329-906C	24X6	1	0	432	2168.20
4329-908C	24X8	1	0	432	1870.33
4329-910C	24X10	1	0	432	1749.86
4329-912C	24X12	1	0	432	1684.17
4329-914C	24X14	1	0	432	1588.84
4329-916C	24X16	1	0	432	1501.72
4329-918C	24X18	1	0	432	1449.89
4329-920C	24X20	1	0	432	1395.89

CPVC SLEEVE COUPLING

Socket (No Stop)

4329S-060C	6	1	5	432	90.88
4329S-080C	8	1	0	432	116.70
4329S-100C	10	1	0	432	153.83
4329S-120C	12	1	3	432	171.43
4329S-140C	14	1	2	432	212.12
4329S-160C	16	1	2	432	231.63
4329S-180C	18	1	2	432	289.49

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 581



Fume & Air Duct PVC & CPVC Duct Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC SLEEVE COUPLING (continued)

Socket (No Stop)

4329S-200C	20	1	0	432	364.65
4329S-240C	24	1	0	432	447.71

CPVC FLAT CAP

Belled Socket



4347-060C	6	1	0	432	156.60
4347-080C	8	1	5	432	186.57
4347-100C	10	1	4	432	217.52
4347-120C	12	1	5	432	248.39
4347-140C	14	1	4	432	279.46
4347-160C	16	1	2	432	321.11
4347-180C	18	1	5	432	405.44
4347-200C	20	1	5	432	582.13
4347-240C	24	1	5	432	621.16

CPVC RAIN CAP

Belled Socket Style A



4347-060AC	6	1	2	432	739.90
4347-080AC	8	1	0	432	1012.38
4347-100AC	10	1	0	432	1176.99
4347-120AC	12	1	0	432	1423.87
4347-140AC	14	1	0	432	1921.84
4347-160AC	16	1	0	432	2193.06
4347-180AC	18	1	0	432	2527.44
4347-200AC	20	1	0	432	3689.99
4347-240AC	24	1	0	432	4353.22

CPVC RAIN CAP

Belled Socket Style B



4347-060BC	6	1	0	432	662.39
4347-080BC	8	1	0	432	982.27
4347-100BC	10	1	0	432	1190.85
4347-120BC	12	1	0	432	1431.01
4347-140BC	14	1	0	432	1928.94
4347-160BC	16	1	0	432	2196.44
4347-180BC	18	1	0	432	2692.39
4347-200BC	20	1	0	432	3959.81
4347-240BC	24	1	0	432	4312.24

CPVC DUCT FLANGE

Belled Socket One Piece



SMACNA Bolt Pattern

4351S-060C	6	1	0	432	193.19
4351S-080C	8	1	2	432	223.61
4351S-100C	10	1	0	432	276.05
4351S-120C	12	1	2	432	293.61
4351S-140C	14	1	0	432	340.47
4351S-160C	16	1	0	432	396.20
4351S-180C	18	1	0	432	529.98
4351S-200C	20	1	0	432	643.50
4351S-240C	24	1	0	432	906.53

See SMACNA Flange Specifications at the end of this catalog.
Also available in ANSI Class 150 Bolt Pattern.

CPVC BLIND DUCT FLANGE

One Piece



Class 150 Bolt Pattern

4353-060C	6	1	36	432	194.46
4353-080C	8	1	36	432	223.44

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC BLIND DUCT FLANGE (continued)

One Piece

4353-100C	10	1	18	432	269.51
4353-120C	12	1	4	432	296.33
4353-140C	14	1	6	432	351.98
4353-160C	16	1	0	432	387.59
4353-180C	18	1	0	432	551.07
4353-200C	20	1	14	432	682.80
4353-240C	24	1	0	432	910.94



CPVC BLIND DUCT FLANGE

One Piece

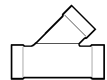
SMACNA Bolt Pattern

4353S-060C	6	1	52	432	206.88
4353S-080C	8	1	52	432	237.70
4353S-100C	10	1	52	432	286.71
4353S-120C	12	1	52	432	315.23
4353S-140C	14	1	52	432	374.46
4353S-160C	16	1	50	432	416.51
4353S-180C	18	1	50	432	586.27
4353S-200C	20	1	50	432	726.37
4353S-240C	24	1	57	432	968.49

See SMACNA Flange Specifications at the end of this catalog.

CPVC WYE

Belled Socket



4375-060C	6	1	2	432	381.44
4375-080C	8	1	0	432	504.35
4375-100C	10	1	0	432	760.26
4375-120C	12	1	0	432	963.55
4375-140C	14	1	0	432	1221.57
4375-160C	16	1	0	432	5266.23
4375-180C	18	1	0	432	6014.81
4375-200C	20	1	0	432	11540.74
4375-240C	24	1	0	432	3937.48

CPVC REDUCING WYE

Belled Socket



4375-532C	6X4	1	2	432	385.26
4375-582C	8X4	1	2	432	466.12
4375-585C	8X6	1	0	432	469.34
4375-624C	10X4	1	0	432	557.17
4375-626C	10X6	1	0	432	568.54
4375-628C	10X8	1	0	432	674.95
4375-664C	12X4	1	0	432	637.20
4375-666C	12X6	1	0	432	655.93
4375-668C	12X8	1	0	432	766.05
4375-670C	12X10	1	0	432	1300.29
4375-694C	14X4	1	0	432	699.80
4375-696C	14X6	1	0	432	708.94
4375-698C	14X8	1	0	432	864.55
4375-700C	14X10	1	0	432	1007.48
4375-702C	14X12	1	0	432	1112.90
4375-754C	16X4	1	0	432	740.37
4375-756C	16X6	1	0	432	745.32
4375-758C	16X8	1	0	432	908.91
4375-760C	16X10	1	0	432	1082.09
4375-762C	16X12	1	0	432	1194.20
4375-764C	16X14	1	0	432	1309.21
4375-784C	18X4	1	0	432	802.30
4375-786C	18X6	1	0	432	813.83
4375-788C	18X8	1	0	432	957.45
4375-790C	18X10	1	0	432	1182.03
4375-792C	18X12	1	0	432	1313.57

**Fume & Air Duct
PVC & CPVC Duct Fittings**



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC REDUCING WYE (continued)

Belled Socket

4375-794C	18X14	1	0	432	1574.47
4375-796C	18X16	1	0	432	1779.05
4375-814C	20X4	1	0	432	1465.97
4375-816C	20X6	1	0	432	1532.21
4375-818C	20X8	1	0	432	1662.27
4375-820C	20X10	1	0	432	1727.55
4375-822C	20X12	1	0	432	2157.88
4375-824C	20X14	1	0	432	2236.46
4375-826C	20X16	1	0	432	2415.43
4375-828C	20X18	1	0	432	2594.83
4375-904C	24X4	1	0	432	1646.83
4375-906C	24X6	1	0	432	1741.18
4375-908C	24X8	1	0	432	1996.91
4375-910C	24X10	1	0	432	2266.11
4375-912C	24X12	1	0	432	2438.51
4375-914C	24X14	1	0	432	2559.06
4375-916C	24X16	1	0	432	2685.87
4375-918C	24X18	1	0	432	2993.11
4375-920C	24X20	1	0	432	3338.15



Double Containment Double Containment

DOUBLE CONTAINMENT SYSTEM DESIGN

Spears® Double Containment (DC) Fittings are constructed from standard fittings that are to be *assembled on the jobsite*. Spears® DC fittings work with standard pipe for both Carrier and Containment lines. Carrier fittings are equipped with special extender couplings for connection to carrier pipe. Simple, slip-on centralizer brackets used on the carrier pipe support this assembly inside the containment pipe. This design allows the carrier fitting to "float" within the containment fitting, allowing ease of movement for installation while reducing problems associated with thermal expansion and contraction during operation. This simplified approach to double containment makes installation very easy. However, successful installation requires proper design and planning of system layout, a basic understanding of how Spears® double containment fitting design works, and specific attention to a proper sequence of general assembly. See *Double Containment Design & Installation Guide* for additional details on design, installation and different configuration applications. DC fitting sizes are listed through 12", but additional sizes are available on request.

CONFIGURATIONS

DC Pipe: Spears® DC Fittings can be used with any standard pipe of the corresponding size and schedule. As a result, pipe is not listed in this Price Schedule.

DC Fittings: Each configuration includes all components to form an internal Carrier Fitting with applicable Extender-Couplings and an external Containment fitting. Each DC Fitting configuration is specified as Carrier Material & Schedule x Containment Material & Schedule. Refer to example below (additional information is found in specific fitting sections).

Example

A Double Containment 90° Ell having a 1/2" Schedule 40 Carrier and 2" Schedule 40 Containment pipe would be listed as follows:

Product Name _____
Configuration Description _____

DC 90° Ell
PVC Sch 40 x PVC Sch 40

Part Number	Size	Disc Code	Price Each
DC06-A005-A020	1/2X2	470	32.78

Carrier Elbow
Containment Elbow
Extender Couplings

Centralizer Brackets should be ordered separately for Carrier pipe support in runs of Containment pipe.

Valve Boxes: Like DC Fittings, Valve Boxes include all necessary components for connection to the designated Carrier x Containment system. Valve Boxes include the applicable True Union Industrial Ball Valve, Ball Check Valve, or Diaphragm Valve, with designated elastomer seals. Refer to example below (additional information is found in specific Valve Box sections).

Example

A Valve Box with True Union 2000 Industrial Ball Valve having a 1/2" valve with Schedule 40 Carrier and 2" Schedule 40 Containment pipe would be listed as follows:

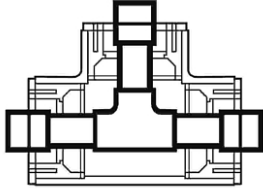
Product Name _____
Configuration Description _____

Valve Box, with PVC True Union 2000 Industrial Ball Valve
PVC Sch 40 x PVC Sch 40

Size	EPDM	Viton®	Disc Code
1/2X2	VBA20-A005-A020 280.17	VBA30-A005-A020 285.10	470

Carrier Valve
Containment Valve Box
Extender Couplings

Double Containment Tees



DC Tees are made from standard Spears® pressure fittings in designated material and Schedule selected. Included are separate internal Carrier and external Containment fittings of the same configuration. Carrier fittings are equipped with extenders to facilitate cement assembly. Certain combinations use larger Containment tees that are bushed to specified size.

Important Note: Some Tees are shipped with the Carrier Tee branch extender separated from the Carrier Tee assembly to facilitate assembly. The Carrier Tee branch extension must be cemented in place after the run Carrier Tee assembly is completed. See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

¹ Configuration uses larger size Containment Tee with Outlets Bushed down

DC Tee PVC Sch 40 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-A005-A020	1/2X2	1	8	470	41.15
DC01-A007-A030	3/4X3	1	10	470	57.31
DC01-A010-A030	1X3	1	10	470	59.35
DC01-A015-A040	1-1/2X4	1	4	470	78.01
DC01-A020-A040 ¹	2X4	1	4	470	279.81
DC01-A030-A060 ¹	3X6	1	2	470	646.27
DC01-A040-A080	4X8	1	2	470	393.64
DC01-A060-A100	6X10	1	0	470	977.38
DC01-A080-A120	8X12	1	0	470	1494.62

DC Tee

PVC Sch 40 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-A005-G020	1/2X2	1	8	470	109.07
DC01-A007-G030	3/4X3	1	10	470	348.65
DC01-A010-G030	1X3	1	10	470	350.69
DC01-A015-G040	1-1/2X4	1	4	470	605.48
DC01-A020-G040 ¹	2X4	1	4	470	1073.90
DC01-A030-G060 ¹	3X6	1	2	470	1356.73
DC01-A040-G080	4X8	1	2	470	2010.06

DC Tee PVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-B005-A020	1/2X2	1	9	470	65.64
DC01-B007-A030	3/4X3	1	10	470	87.14
DC01-B010-A030	1X3	1	10	470	90.09
DC01-B015-A040	1-1/2X4	1	4	470	136.45
DC01-B020-A040 ¹	2X4	1	2	470	338.31
DC01-B030-A060 ¹	3X6	1	2	470	778.78
DC01-B040-A080	4X8	1	2	470	922.40
DC01-B060-A100	6X10	1	0	470	1460.77
DC01-B080-A120	8X12	1	0	470	2333.44

DC Tee PVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-B005-G020	1/2X2	1	9	470	133.45
DC01-B007-G030	3/4X3	1	10	470	379.48
DC01-B010-G030	1X3	1	10	470	381.97
DC01-B015-G040	1-1/2X4	1	4	470	668.87
DC01-B020-G040	2X4	1	2	470	2567.27
DC01-B030-G060	3X6	1	2	470	1034.39
DC01-B040-G080	4X8	1	2	470	2151.93

DC Tee PVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-B005-B020	1/2X2	1	10	470	101.07
DC01-B007-B030	3/4X3	1	10	470	121.85
DC01-B010-B030	1X3	1	5	470	124.71
DC01-B015-B040	1-1/2X4	1	4	470	168.83

DC Tee PVC Sch 80 x PVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-B020-B040 ¹	2X4	1	0	470	630.68
DC01-B030-B060 ¹	3X6	1	2	470	941.95
DC01-B040-B080	4X8	1	0	470	1166.17
DC01-B060-B100	6X10	1	0	470	1441.85
DC01-B080-B120	8X12	1	0	470	3327.28

DC Tee CPVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-C005-A020	1/2X2	1	10	470	71.38
DC01-C007-A030	3/4X3	1	5	470	93.91
DC01-C010-A030	1X3	1	10	470	105.70
DC01-C015-A040	1-1/2X4	1	4	470	175.72
DC01-C020-A040 ¹	2X4	1	3	470	390.67
DC01-C030-A060 ¹	3X6	1	2	470	902.80
DC01-C040-A080	4X8	1	0	470	719.73
DC01-C060-A100	6X10	1	0	470	1678.16
DC01-C080-A120	8X12	1	0	470	2642.27

DC Tee CPVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-C005-B020	1/2X2	1	9	470	106.73
DC01-C007-B030	3/4X3	1	5	470	128.54
DC01-C010-B030	1X3	1	5	470	140.44
DC01-C015-B040	1-1/2X4	1	4	470	203.14
DC01-C020-B040 ¹	2X4	1	4	470	705.12
DC01-C030-B060 ¹	3X6	1	2	470	1286.02
DC01-C040-B080	4X8	1	0	470	938.20
DC01-C060-B100	6X10	1	0	470	2684.24
DC01-C080-B120	8X12	1	0	470	3268.72

DC Tee CPVC Sch 80 x CPVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-C005-C020	1/2X2	1	10	470	111.96
DC01-C007-C030	3/4X3	1	10	470	189.20
DC01-C010-C030	1X3	1	5	470	201.10
DC01-C015-C040	1-1/2X4	1	5	470	293.20
DC01-C020-C040 ¹	2X4	1	0	470	487.57
DC01-C030-C060 ¹	3X6	1	2	470	1027.01
DC01-C040-C080	4X8	1	2	470	1580.44
DC01-C060-C100	6X10	1	0	470	2762.83
DC01-C080-C120	8X12	1	0	470	4990.52

DC Tee CPVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-C005-G020	1/2X2	1	9	470	138.76
DC01-C007-G030	3/4X3	1	5	470	385.24
DC01-C010-G030	1X3	1	10	470	397.14
DC01-C015-G040	1-1/2X4	1	6	470	748.45

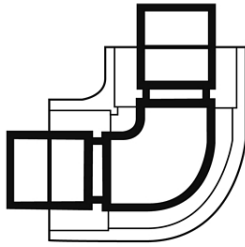


Double Containment Tees

DC Tee CPVC Sch 80 x PVC Sch 40 Clear (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC01-C020-G040 ¹	2X4	1	6	470	2604.27
DC01-C030-G060 ¹	3X6	1	2	470	1697.65
DC01-C040-G080	4X8	1	2	470	2264.55

Double Containment 90° Ells



DC 90° Ells are made from standard Spears® pressure fittings in designated material and Schedule selected. Included are separate internal Carrier and external Containment fittings of the same configuration. Carrier fittings are equipped with extenders to facilitate cement assembly. See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

DC 90° Ell PVC Sch 40 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-A005-A020	1/2X2	1	25	470	32.78
DC06-A007-A030	3/4X3	1	10	470	42.73
DC06-A010-A030	1X3	1	10	470	44.16
DC06-A015-A040	1-1/2X4	1	5	470	56.69
DC06-A020-A040	2X4	1	5	470	72.13
DC06-A030-A060	3X6	2	0	470	144.71
DC06-A040-A080	4X8	1	2	470	281.15
DC06-A060-A100	6X10	1	0	470	920.43
DC06-A080-A120	8X12	1	0	470	1349.81

DC 90° Ell

PVC Sch 40 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-A005-G020	1/2X2	1	25	470	87.47
DC06-A007-G030	3/4X3	1	10	470	241.33
DC06-A010-G030	1X3	1	4	470	242.83
DC06-A015-G040	1-1/2X4	1	5	470	412.20
DC06-A020-G040	2X4	1	8	470	427.65
DC06-A030-G060	3X6	1	2	470	751.55
DC06-A040-G080	4X8	1	2	470	1314.85

DC 90° Ell PVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-B005-A020	1/2X2	1	25	470	45.85
DC06-B007-A030	3/4X3	1	10	470	60.41
DC06-B010-A030	1X3	1	10	470	63.26
DC06-B015-A040	1-1/2X4	1	5	470	88.00
DC06-B020-A040	2X4	1	5	470	104.10
DC06-B030-A060	3X6	1	2	470	224.31
DC06-B040-A080	4X8	1	2	470	378.90
DC06-B060-A100	6X10	1	0	470	1115.29
DC06-B080-A120	8X12	1	0	470	1666.84

DC 90° Ell

PVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-B005-G020	1/2X2	1	25	470	100.17
DC06-B007-G030	3/4X3	1	10	470	258.97
DC06-B010-G030	1X3	1	10	470	261.81
DC06-B015-G040	1-1/2X4	1	8	470	442.26
DC06-B020-G040	2X4	1	4	470	446.11
DC06-B030-G060	3X6	1	4	470	223.18
DC06-B040-G080	4X8	1	2	470	1412.61

DC 90° Ell PVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-B005-B020	1/2X2	1	20	470	53.39
DC06-B007-B030	3/4X3	1	10	470	76.55
DC06-B010-B030	1X3	1	10	470	79.43
DC06-B015-B040	1-1/2X4	1	5	470	107.69

DC 90° Ell PVC Sch 80 x PVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-B020-B040	2X4	1	4	470	111.67
DC06-B030-B060	3X6	2	0	470	275.96
DC06-B040-B080	4X8	1	2	470	535.06
DC06-B060-B100	6X10	1	0	470	1952.56
DC06-B080-B120	8X12	1	0	470	2730.45

DC 90° Ell CPVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-C005-A020	1/2X2	1	8	470	49.22
DC06-C007-A030	3/4X3	1	5	470	64.86
DC06-C010-A030	1X3	1	5	470	75.46
DC06-C015-A040	1-1/2X4	1	8	470	122.60
DC06-C020-A040	2X4	1	5	470	147.95
DC06-C030-A060	3X6	1	5	470	287.51
DC06-C040-A080	4X8	1	2	470	552.99
DC06-C060-A100	6X10	1	0	470	1468.33
DC06-C080-A120	8X12	1	0	470	2817.21

DC 90° Ell CPVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-C005-B020	1/2X2	1	25	470	56.77
DC06-C007-B030	3/4X3	1	5	470	81.01
DC06-C010-B030	1X3	1	5	470	104.16
DC06-C015-B040	1-1/2X4	1	4	470	143.55
DC06-C020-B040	2X4	1	4	470	168.90
DC06-C030-B060	3X6	1	0	470	376.97
DC06-C040-B080	4X8	1	2	470	709.15
DC06-C060-B100	6X10	1	0	470	2305.56
DC06-C080-B120	8X12	1	0	470	3880.99

DC 90° Ell

CPVC Sch 80 x CPVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-C005-C020	1/2X2	1	25	470	79.43
DC06-C007-C030	3/4X3	1	10	470	140.23
DC06-C010-C030	1X3	1	5	470	150.44
DC06-C015-C040	1-1/2X4	1	5	470	265.38
DC06-C020-C040	2X4	1	4	470	283.20
DC06-C030-C060	3X6	1	2	470	493.86
DC06-C040-C080	4X8	1	2	470	1139.99
DC06-C060-C100	6X10	1	0	470	2823.43
DC06-C080-C120	8X12	1	0	470	4659.33

DC 90° Ell

CPVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-C005-G020	1/2X2	1	23	470	103.91
DC06-C007-G030	3/4X3	1	4	470	263.80
DC06-C010-G030	1X3	1	5	470	274.00
DC06-C015-G040	1-1/2X4	1	8	470	478.13

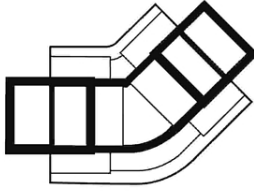


**Double Containment
90° Ells**

DC 90° Ell
CPVC Sch 80 x PVC Sch 40 Clear
(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC06-C020-G040	2X4	1	8	470	503.37
DC06-C030-G060	3X6	1	5	470	932.34
DC06-C040-G080	4X8	1	2	470	1589.40

Double Containment 45° Ells



DC 45° Ells are made from standard Spears® pressure fittings in designated material and Schedule selected. Included are separate internal Carrier and external Containment fittings of the same configuration. Carrier fittings are equipped with extenders to facilitate cement assembly. See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

DC 45° Ell PVC Sch 40 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-A005-A020	1/2X2	1	25	470	33.74
DC17-A007-A030	3/4X3	1	5	470	47.66
DC17-A010-A030	1X3	1	5	470	48.81
DC17-A015-A040	1-1/2X4	1	5	470	64.86
DC17-A020-A040	2X4	1	4	470	79.95
DC17-A030-A060	3X6	2	0	470	149.41
DC17-A040-A080	4X8	1	3	470	277.68
DC17-A060-A100	6X10	1	0	470	661.43
DC17-A080-A120	8X12	1	0	470	1088.19

DC 45° Ell

PVC Sch 40 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-A005-G020	1/2X2	1	25	470	105.68
DC17-A007-G030	3/4X3	1	8	470	305.62
DC17-A010-G030	1X3	1	5	470	306.70
DC17-A015-G040	1-1/2X4	1	5	470	540.56
DC17-A020-G040	2X4	1	4	470	543.33
DC17-A030-G060	3X6	1	2	470	962.88
DC17-A040-G080	4X8	1	3	470	1161.14

DC 45° Ell PVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-B005-A020	1/2X2	1	25	470	48.56
DC17-B007-A030	3/4X3	1	8	470	69.40
DC17-B010-A030	1X3	1	10	470	74.34
DC17-B015-A040	1-1/2X4	1	5	470	105.07
DC17-B020-A040	2X4	1	5	470	125.60
DC17-B030-A060	3X6	1	7	470	263.32
DC17-B040-A080	4X8	1	2	470	445.07
DC17-B060-A100	6X10	1	0	470	886.13
DC17-B080-A120	8X12	1	0	470	1373.15

DC 45° Ell

PVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-B005-G020	1/2X2	1	10	470	113.22
DC17-B007-G030	3/4X3	1	8	470	327.37
DC17-B010-G030	1X3	1	5	470	333.66
DC17-B015-G040	1-1/2X4	1	5	470	570.12
DC17-B020-G040	2X4	1	5	470	588.98
DC17-B030-G060	3X6	1	4	470	1076.69
DC17-B040-G080	4X8	1	3	470	1779.39

DC 45° Ell PVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-B005-B020	1/2X2	1	10	470	71.40
DC17-B007-B030	3/4X3	1	8	470	119.64
DC17-B010-B030	1X3	1	5	470	129.60
DC17-B015-B040	1-1/2X4	1	5	470	195.67

DC 45° Ell PVC Sch 80 x PVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-B020-B040	2X4	1	5	470	203.49
DC17-B030-B060	3X6	1	2	470	339.37
DC17-B040-B080	4X8	1	2	470	592.70
DC17-B060-B100	6X10	1	0	470	1454.03
DC17-B080-B120	8X12	1	0	470	2010.27

DC 45° Ell CPVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-C005-A020	1/2X2	1	25	470	51.07
DC17-C007-A030	3/4X3	1	8	470	72.05
DC17-C010-A030	1X3	1	10	470	83.95
DC17-C015-A040	1-1/2X4	1	5	470	134.24
DC17-C020-A040	2X4	1	5	470	157.56
DC17-C030-A060	3X6	1	5	470	258.05
DC17-C040-A080	4X8	1	3	470	515.04
DC17-C060-A100	6X10	1	0	470	1298.68
DC17-C080-A120	8X12	1	0	470	2603.09

DC 45° Ell CPVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-C005-B020	1/2X2	1	25	470	73.23
DC17-C007-B030	3/4X3	1	5	470	122.28
DC17-C010-B030	1X3	1	5	470	133.80
DC17-C015-B040	1-1/2X4	1	4	470	152.55
DC17-C020-B040	2X4	1	5	470	176.05
DC17-C030-B060	3X6	1	5	470	363.20
DC17-C040-B080	4X8	1	2	470	662.21
DC17-C060-B100	6X10	1	0	470	1864.06
DC17-C080-B120	8X12	1	0	470	3240.20

DC 45° Ell

CPVC Sch 80 x CPVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-C005-C020	1/2X2	1	10	470	83.28
DC17-C007-C030	3/4X3	1	8	470	150.48
DC17-C010-C030	1X3	1	10	470	162.37
DC17-C015-C040	1-1/2X4	1	5	470	234.64
DC17-C020-C040	2X4	1	5	470	258.14
DC17-C030-C060	3X6	1	2	470	586.34
DC17-C040-C080	4X8	1	2	470	1172.52
DC17-C060-C100	6X10	1	0	470	3551.69
DC17-C080-C120	8X12	1	0	470	4879.68

DC 45° Ell

CPVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-C005-G020	1/2X2	1	10	470	114.94
DC17-C007-G030	3/4X3	1	8	470	330.01
DC17-C010-G030	1X3	1	10	470	341.90
DC17-C015-G040	1-1/2X4	1	5	470	610.23

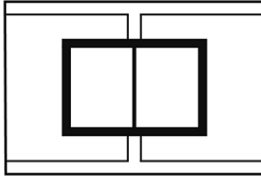


**Double Containment
45° Ells**

DC 45° Ell
CPVC Sch 80 x PVC Sch 40 Clear
(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC17-C020-G040	2X4	1	5	470	621.14
DC17-C030-G060	3X6	1	5	470	1156.78
DC17-C040-G080	4X8	1	3	470	1957.24

Double Containment Couplings



DC Couplings are made from standard Spears® pressure fittings in designated material and Schedule selected. Included are separate internal Carrier and external Containment fittings of the same configuration (no extenders required on Couplings). See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

DC Coupling PVC Sch 40 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-A005-A020	1/2X2	1	25	470	2.60
DC29-A007-A030	3/4X3	1	10	470	8.13
DC29-A010-A030	1X3	1	10	470	8.55
DC29-A015-A040	1-1/2X4	1	6	470	12.37
DC29-A020-A040	2X4	1	10	470	13.13
DC29-A030-A060	3X6	1	4	470	42.15
DC29-A040-A080	4X8	1	6	470	75.52
DC29-A060-A100	6X10	1	2	470	222.83
DC29-A080-A120	8X12	1	0	470	439.65

DC Coupling PVC Sch 40 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-A005-G020	1/2X2	1	10	470	35.56
DC29-A007-G030	3/4X3	1	10	470	121.05
DC29-A010-G030	1X3	1	10	470	121.40
DC29-A015-G040	1-1/2X4	1	6	470	175.39
DC29-A020-G040	2X4	1	8	470	176.14
DC29-A030-G060	3X6	1	4	470	333.82
DC29-A040-G080	4X8	1	6	470	574.60

DC Coupling PVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-B005-A020	1/2X2	1	25	470	7.87
DC29-B007-A030	3/4X3	1	10	470	15.35
DC29-B010-A030	1X3	1	5	470	15.47
DC29-B015-A040	1-1/2X4	1	6	470	23.91
DC29-B020-A040	2X4	1	5	470	24.87
DC29-B030-A060	3X6	1	4	470	73.99
DC29-B040-A080	4X8	1	6	470	113.94
DC29-B060-A100	6X10	1	2	470	294.44
DC29-B080-A120	8X12	1	4	470	519.54

DC Coupling PVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-B005-G020	1/2X2	1	10	470	40.74
DC29-B007-G030	3/4X3	1	10	470	128.19
DC29-B010-G030	1X3	1	10	470	128.38
DC29-B015-G040	1-1/2X4	1	6	470	181.90
DC29-B020-G040	2X4	1	8	470	187.89
DC29-B030-G060	3X6	1	4	470	327.10
DC29-B040-G080	4X8	1	4	470	606.20

DC Coupling PVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-B005-B020	1/2X2	1	10	470	19.59
DC29-B007-B030	3/4X3	1	5	470	47.11
DC29-B010-B030	1X3	1	5	470	47.31

DC Coupling PVC Sch 80 x PVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-B015-B040	1-1/2X4	1	5	470	62.33
DC29-B020-B040	2X4	1	8	470	63.28
DC29-B030-B060	3X6	1	8	470	145.59
DC29-B040-B080	4X8	1	4	470	193.83
DC29-B060-B100	6X10	1	2	470	602.11
DC29-B080-B120	8X12	1	0	470	716.16

DC Coupling CPVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-C005-A020	1/2X2	1	25	470	8.26
DC29-C007-A030	3/4X3	1	10	470	16.05
DC29-C010-A030	1X3	1	10	470	18.99
DC29-C015-A040	1-1/2X4	1	6	470	32.45
DC29-C020-A040	2X4	1	6	470	35.95
DC29-C030-A060	3X6	1	4	470	95.04
DC29-C040-A080	4X8	1	6	470	143.83
DC29-C060-A100	6X10	1	2	470	374.85
DC29-C080-A120	8X12	1	4	470	879.40

DC Coupling CPVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-C005-B020	1/2X2	1	10	470	19.49
DC29-C007-B030	3/4X3	1	5	470	47.88
DC29-C010-B030	1X3	1	5	470	50.83
DC29-C015-B040	1-1/2X4	1	6	470	70.87
DC29-C020-B040	2X4	1	4	470	72.18
DC29-C030-B060	3X6	1	4	470	166.60
DC29-C040-B080	4X8	1	4	470	204.57
DC29-C060-B100	6X10	1	2	470	607.04
DC29-C080-B120	8X12	1	0	470	1075.90

DC Coupling CPVC Sch 80 x CPVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-C005-C020	1/2X2	1	10	470	31.05
DC29-C007-C030	3/4X3	1	5	470	68.94
DC29-C010-C030	1X3	1	10	470	71.85
DC29-C015-C040	1-1/2X4	1	5	470	100.77
DC29-C020-C040	2X4	1	8	470	104.24
DC29-C030-C060	3X6	1	4	470	247.06
DC29-C040-C080	4X8	1	4	470	583.61
DC29-C060-C100	6X10	1	2	470	821.00
DC29-C080-C120	8X12	1	0	470	1245.63

DC Coupling CPVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-C005-G020	1/2X2	1	10	470	41.12
DC29-C007-G030	3/4X3	1	10	470	128.97

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 591

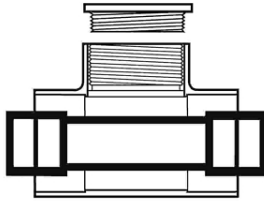


Double Containment Couplings

DC Coupling CPVC Sch 80 x PVC Sch 40 Clear (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DC29-C010-G030	1X3	1	10	470	131.91
DC29-C015-G040	1-1/2X4	1	6	470	195.49
DC29-C020-G040	2X4	1	6	470	198.96
DC29-C030-G060	3X6	1	10	470	373.62
DC29-C040-G080	4X8	1	6	470	642.90

Double Containment Access Tees



DC Access Tees are made from standard Spears® pressure fittings in designated material and Schedule selected. Included is an internal Carrier pipe section equipped with couplings and an external Containment Tee fitting equipped with a threaded Plug on the branch for access. See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

DC Access Tee PVC Sch 40 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-A005-A020	1/2X2	1	10	470	40.29
DCAT-A007-A030	3/4X3	1	5	470	67.10
DCAT-A010-A030	1X3	1	5	470	67.93
DCAT-A015-A040	1-1/2X4	1	3	470	95.52
DCAT-A020-A040	2X4	1	5	470	124.60
DCAT-A030-A060	3X6	1	4	470	343.34
DCAT-A040-A080	4X8	1	0	470	715.76
DCAT-A060-A100	6X10	1	0	470	1629.16
DCAT-A080-A120	8X12	1	0	470	2300.51

DC Access Tee PVC Sch 40 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-A005-G020	1/2X2	1	10	470	204.04
DCAT-A007-G030	3/4X3	1	10	470	541.91
DCAT-A010-G030	1X3	1	10	470	542.76
DCAT-A015-G040	1-1/2X4	1	6	470	892.14
DCAT-A020-G040	2X4	1	6	470	903.72
DCAT-A030-G060	3X6	1	4	470	1227.33
DCAT-A040-G080	4X8	1	0	470	2253.14

DC Access Tee PVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-B005-A020	1/2X2	1	10	470	50.85
DCAT-B007-A030	3/4X3	1	10	470	81.38
DCAT-B010-A030	1X3	1	6	470	81.79
DCAT-B015-A040	1-1/2X4	1	6	470	118.63
DCAT-B020-A040	2X4	1	6	470	130.61
DCAT-B030-A060	3X6	1	4	470	407.02
DCAT-B040-A080	4X8	1	2	470	792.56
DCAT-B060-A100	6X10	1	0	470	1784.87
DCAT-B080-A120	8X12	1	0	470	2546.32

DC Access Tee PVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-B005-G020	1/2X2	1	10	470	246.37
DCAT-B007-G030	3/4X3	1	10	470	556.21
DCAT-B010-G030	1X3	1	10	470	556.49
DCAT-B015-G040	1-1/2X4	1	3	470	913.99
DCAT-B020-G040	2X4	1	6	470	917.16
DCAT-B030-G060	3X6	1	4	470	1291.00
DCAT-B040-G080	4X8	1	2	470	2329.94

DC Access Tee PVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-B005-B020	1/2X2	1	5	470	84.43
DCAT-B007-B030	3/4X3	1	5	470	154.00
DCAT-B010-B030	1X3	1	5	470	154.51

DC Access Tee PVC Sch 80 x PVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-B015-B040	1-1/2X4	1	5	470	264.83
DCAT-B020-B040	2X4	1	5	470	276.80
DCAT-B030-B060	3X6	1	4	470	611.69
DCAT-B040-B080	4X8	1	2	470	1016.10
DCAT-B060-B100	6X10	1	0	470	2752.63
DCAT-B080-B120	8X12	1	0	470	3347.01

DC Access Tee CPVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-C007-A030	3/4X3	1	5	470	82.93
DCAT-C010-A030	1X3	1	6	470	88.83
DCAT-C015-A040	1-1/2X4	1	6	470	135.70
DCAT-C020-A040	2X4	1	6	470	152.73
DCAT-C030-A060	3X6	1	4	470	436.57
DCAT-C040-A080	4X8	1	2	470	850.86
DCAT-C060-A100	6X10	1	0	470	1945.76
DCAT-C080-A120	8X12	1	0	470	2544.56

DC Access Tee CPVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-C005-B020	1/2X2	1	10	470	85.18
DCAT-C007-B030	3/4X3	1	5	470	155.52
DCAT-C010-B030	1X3	1	5	470	161.43
DCAT-C015-B040	1-1/2X4	1	5	470	223.96
DCAT-C020-B040	2X4	1	5	470	298.93
DCAT-C030-B060	3X6	1	4	470	676.45
DCAT-C040-B080	4X8	1	2	470	1264.02
DCAT-C060-B100	6X10	1	0	470	2706.84
DCAT-C080-B120	8X12	1	0	470	4234.17

DC Access Tee CPVC Sch 80 x CPVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-C005-C020	1/2X2	1	10	470	142.41
DCAT-C007-C030	3/4X3	1	5	470	470.88
DCAT-C010-C030	1X3	1	6	470	475.40
DCAT-C015-C040	1-1/2X4	1	5	470	672.22
DCAT-C020-C040	2X4	1	5	470	679.19
DCAT-C030-C060	3X6	1	4	470	1453.65
DCAT-C040-C080	4X8	1	2	470	3691.84
DCAT-C060-C100	6X10	1	0	470	3948.15
DCAT-C080-C120	8X12	1	0	470	6016.45

DC Access Tee CPVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-C005-G020	1/2X2	1	10	470	264.97
DCAT-C007-G030	3/4X3	1	5	470	557.74
DCAT-C010-G030	1X3	1	5	470	563.65

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 593



Double Containment Access Tees

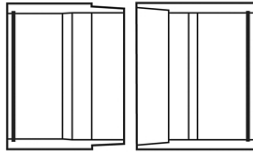
DC Access Tee

CPVC Sch 80 x PVC Sch 40 Clear

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCAT-C015-G040	1-1/2X4	1	3	470	932.32
DCAT-C020-G040	2X4	1	6	470	939.30
DCAT-C030-G060	3X6	1	4	470	1343.19
DCAT-C040-G080	4X8	1	2	470	2399.68

Double Containment Closure Fittings



DC Closure Fittings are special split couplings for joining meeting runs of Containment piping, such as before the final Termination Fitting. Closure Fittings consist of a male component and a female component. An internal O-ring on each component serves as a "cement-wiper" during installation to assure a proper joint. A "One-step" type cement should be used to facilitate rapid assembly. See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

DC Closure Fitting PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCCF-A030	3	1	10	470	446.35
DCCF-A040	4	1	5	470	457.32
DCCF-A060	6	1	2	470	475.93
DCCF-A080	8	1	0	470	656.51
DCCF-A100	10	1	2	470	724.21
DCCF-A120	12	1	2	470	1144.00

DC Closure Fitting PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCCF-B020	2	1	10	470	445.95
DCCF-B030	3	1	10	470	453.60
DCCF-B040	4	1	5	470	467.38
DCCF-B060	6	1	2	470	495.04
DCCF-B080	8	1	3	470	656.31
DCCF-B100	10	1	2	470	870.98
DCCF-B120	12	1	0	470	1396.21

DC Closure Fitting CPVC Sch 80

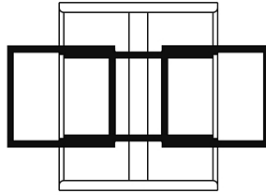
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCCF-C020	2	1	10	470	452.73
DCCF-C030	3	1	10	470	471.61
DCCF-C040	4	1	5	470	492.22
DCCF-C060	6	1	2	470	599.97
DCCF-C080	8	1	3	470	807.11
DCCF-C100	10	1	2	470	1502.53
DCCF-C120	12	1	0	470	2383.88

DC Closure Fitting PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCCF-G030	3	1	10	470	498.06
DCCF-G040	4	1	5	470	517.45
DCCF-G060	6	1	2	470	613.76
DCCF-G080	8	1	6	470	912.03



Double Containment Isolation Couplers



DC Isolation Couplers are to isolate a containment section for improved location identification if a leak is detected. When cemented into place, a suitable seal is formed for isolation of the containment sections. See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

DC Isolation Coupler PVC Sch 40 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-A005-A020	1/2X2	1	5	470	32.93
DCDB-A007-A030	3/4X3	1	5	470	52.44
DCDB-A010-A030	1X3	1	5	470	52.71
DCDB-A015-A040	1-1/2X4	1	6	470	58.13
DCDB-A020-A040	2X4	1	4	470	62.14
DCDB-A030-A060	3X6	1	4	470	99.64
DCDB-A040-A080	4X8	1	4	470	143.36
DCDB-A060-A100	6X10	1	10	470	191.41
DCDB-A080-A120	8X12	1	0	470	323.76

DC Isolation Coupler PVC Sch 40 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-A005-G020	1/2X2	1	5	470	76.06
DCDB-A007-G030	3/4X3	1	5	470	94.01
DCDB-A010-G030	1X3	1	5	470	196.78
DCDB-A015-G040	1-1/2X4	1	4	470	226.60
DCDB-A020-G040	2X4	1	4	470	234.50
DCDB-A030-G060	3X6	1	4	470	256.53
DCDB-A040-G080	4X8	1	4	470	323.55

DC Isolation Coupler PVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-B005-A020	1/2X2	1	5	470	47.53
DCDB-B007-A030	3/4X3	1	5	470	56.91
DCDB-B010-A030	1X3	1	4	470	62.78
DCDB-B015-A040	1-1/2X4	1	4	470	67.13
DCDB-B020-A040	2X4	1	4	470	72.55
DCDB-B030-A060	3X6	1	5	470	104.07
DCDB-B040-A080	4X8	1	4	470	155.81
DCDB-B060-A100	6X10	1	0	470	203.61
DCDB-B080-A120	8X12	1	0	470	350.23

DC Isolation Coupler PVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-B005-G020	1/2X2	1	5	470	100.30
DCDB-B010-G030	1X3	1	5	470	201.37
DCDB-B015-G040	1-1/2X4	1	4	470	260.50
DCDB-B020-G040	2X4	1	4	470	285.15
DCDB-B030-G060	3X6	1	5	470	316.64
DCDB-B040-G080	4X8	1	4	470	373.82

DC Isolation Coupler PVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-B005-B020	1/2X2	1	5	470	121.57
DCDB-B007-B030	3/4X3	1	5	470	149.12
DCDB-B010-B030	1X3	1	5	470	178.89
DCDB-B015-B040	1-1/2X4	1	4	470	188.72

DC Isolation Coupler PVC Sch 80 x PVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-B020-B040	2X4	1	4	470	199.18
DCDB-B030-B060	3X6	1	4	470	215.18
DCDB-B040-B080	4X8	1	4	470	232.99
DCDB-B060-B100	6X10	1	0	470	238.67
DCDB-B080-B120	8X12	1	0	470	392.49

DC Isolation Coupler CPVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-C005-A020	1/2X2	1	5	470	48.81
DCDB-C007-A030	3/4X3	1	5	470	65.46
DCDB-C010-A030	1X3	1	5	470	66.19
DCDB-C015-A040	1-1/2X4	1	4	470	77.68
DCDB-C020-A040	2X4	1	4	470	108.65
DCDB-C030-A060	3X6	1	5	470	175.95
DCDB-C040-A080	4X8	1	4	470	296.51
DCDB-C060-A100	6X10	1	0	470	456.36
DCDB-C080-A120	8X12	1	0	470	502.71

DC Isolation Coupler CPVC Sch 80 x Sch 80 Gray

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-C005-B020	1/2X2	1	5	470	49.22
DCDB-C007-B030	3/4X3	1	5	470	57.93
DCDB-C010-B030	1X3	1	5	470	58.67
DCDB-C015-B040	1-1/2X4	1	4	470	82.57
DCDB-C020-B040	2X4	1	4	470	113.52
DCDB-C030-B060	3X6	1	5	470	185.46
DCDB-C040-B080	4X8	1	4	470	313.31
DCDB-C060-B100	6X10	1	0	470	491.45
DCDB-C080-B120	8X12	1	0	470	527.86

DC Isolation Coupler CPVC Sch 80 x CPVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-C005-C020	1/2X2	1	4	470	100.04
DCDB-C007-C030	3/4X3	1	5	470	110.61
DCDB-C010-C030	1X3	1	5	470	232.54
DCDB-C015-C040	1-1/2X4	1	4	470	252.55
DCDB-C020-C040	2X4	1	4	470	282.76
DCDB-C030-C060	3X6	1	4	470	366.68
DCDB-C040-C080	4X8	1	4	470	373.97
DCDB-C060-C100	6X10	1	0	470	625.17
DCDB-C080-C120	8X12	1	0	470	972.03

DC Isolation Coupler CPVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-C005-G020	1/2X2	1	5	470	105.83
DCDB-C007-G030	3/4X3	1	5	470	116.47
DCDB-C010-G030	1X3	1	5	470	241.97

Double Containment Isolation Couplers



DC Isolation Coupler

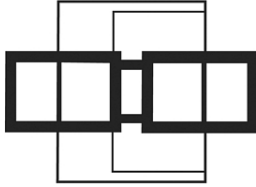
CPVC Sch 80 x PVC Sch 40 Clear

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCDB-C015-G040	1-1/2X4	1	4	470	330.91
DCDB-C020-G040	2X4	1	4	470	361.85
DCDB-C030-G060	3X6	1	5	470	384.54



Double Containment Termination Fittings



DC Termination Fittings are a special configuration for starting or stopping the containment portion of a system. Termination Fittings consist of a reducer coupling to accept the Containment pipe that is pre-fabricated to an internal extender coupling for connection to existing Carrier system. See *Double Containment Design & Installation Guide* for proper installation.

Centralizers are used inside the Containment piping system, but not inside fittings, installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

DC Termination Fitting PVC Sch 40 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-A005-A020	1/2X2	8	0	470	109.07
DCTM-A007-A030	3/4X3	1	7	470	114.76
DCTM-A010-A030	1X3	9	0	470	120.19
DCTM-A015-A040	1-1/2X4	4	0	470	129.74
DCTM-A020-A040	2X4	4	0	470	136.21
DCTM-A030-A060	3X6	1	2	470	185.83
DCTM-A040-A080	4X8	1	3	470	242.39
DCTM-A060-A100	6X10	1	2	470	458.93
DCTM-A080-A120	8X12	1	2	470	742.37

DC Termination Fitting PVC Sch 40 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-A005-G020	1/2X2	8	0	470	141.95
DCTM-A007-G030	3/4X3	1	7	470	232.28
DCTM-A010-G030	1X3	1	9	470	233.12
DCTM-A015-G040	1-1/2X4	1	4	470	292.77
DCTM-A020-G040	2X4	1	4	470	299.33
DCTM-A030-G060	3X6	1	2	470	464.41
DCTM-A040-G080	4X8	1	3	470	741.47

DC Termination Fitting PVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-B005-A020	1/2X2	8	0	470	119.64
DCTM-B007-A030	3/4X3	9	0	470	133.65
DCTM-B010-A030	1X3	8	0	470	134.04
DCTM-B015-A040	1-1/2X4	4	0	470	152.86
DCTM-B020-A040	2X4	5	0	470	159.80
DCTM-B030-A060	3X6	1	4	470	249.51
DCTM-B040-A080	4X8	1	3	470	319.19
DCTM-B060-A100	6X10	1	0	470	607.72
DCTM-B080-A120	8X12	1	3	470	902.17

DC Termination Fitting PVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-B005-G020	1/2X2	9	0	470	156.86
DCTM-B007-G030	3/4X3	10	0	470	250.16
DCTM-B010-G030	1X3	1	8	470	250.56
DCTM-B015-G040	1-1/2X4	1	4	470	319.11
DCTM-B020-G040	2X4	5	0	470	325.53
DCTM-B030-G060	3X6	1	2	470	533.32
DCTM-B040-G080	4X8	1	3	470	936.21

DC Termination Fitting PVC Sch 80 x PVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-B005-B020	1/2X2	10	0	470	135.73
DCTM-B007-B030	3/4X3	8	0	470	169.09
DCTM-B010-B030	1X3	8	0	470	169.49

DC Termination Fitting PVC Sch 80 x PVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-B015-B040	1-1/2X4	4	0	470	193.98
DCTM-B020-B040	2X4	4	0	470	200.91
DCTM-B030-B060	3X6	1	2	470	326.35
DCTM-B040-B080	4X8	1	2	470	406.02
DCTM-B060-B100	6X10	1	2	470	927.82
DCTM-B080-B120	8X12	1	3	470	1118.46

DC Termination Fitting CPVC Sch 80 x PVC Sch 40

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-C005-A020	1/2X2	1	8	470	120.39
DCTM-C007-A030	3/4X3	1	8	470	135.17
DCTM-C010-A030	1X3	8	0	470	141.10
DCTM-C015-A040	1-1/2X4	4	0	470	169.94
DCTM-C020-A040	2X4	3	0	470	181.94
DCTM-C030-A060	3X6	1	2	470	291.64
DCTM-C040-A080	4X8	1	3	470	379.01
DCTM-C060-A100	6X10	1	2	470	767.69
DCTM-C080-A120	8X12	1	3	470	1621.87

DC Termination Fitting CPVC Sch 80 x Sch 80 Gray

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-C005-B020	1/2X2	8	0	470	136.49
DCTM-C007-B030	3/4X3	8	0	470	170.62
DCTM-C010-B030	1X3	8	0	470	176.53
DCTM-C015-B040	1-1/2X4	1	4	470	211.03
DCTM-C020-B040	2X4	1	4	470	223.05
DCTM-C030-B060	3X6	1	2	470	368.39
DCTM-C040-B080	4X8	1	3	470	465.82
DCTM-C060-B100	6X10	1	2	470	1088.78
DCTM-C080-B120	8X12	1	3	470	1838.01

DC Termination Fitting CPVC Sch 80 x PVC Sch 40 Clear

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-C005-G020	1/2X2	1	8	470	162.89
DCTM-C007-G030	3/4X3	10	0	470	268.98
DCTM-C010-G030	1X3	1	9	470	279.41
DCTM-C015-G040	1-1/2X4	10	0	470	366.64
DCTM-C020-G040	2X4	3	0	470	378.66
DCTM-C030-G060	3X6	1	15	470	640.86
DCTM-C040-G080	4X8	1	3	470	970.33

DC Termination Fitting CPVC Sch 80 x CPVC Sch 80

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-C005-C020	1/2X2	9	0	470	204.47
DCTM-C007-C030	3/4X3	8	0	470	208.94
DCTM-C010-C030	1X3	4	0	470	214.85
DCTM-C015-C040	1-1/2X4	4	0	470	271.95

Double Containment Termination Fittings



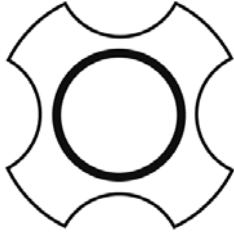
DC Termination Fitting CPVC Sch 80 x CPVC Sch 80

(continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DCTM-C020-C040	2X4	4	0	470	283.94
DCTM-C030-C060	3X6	1	3	470	514.31
DCTM-C040-C080	4X8	1	2	470	919.43
DCTM-C060-C100	6X10	1	2	470	1399.35
DCTM-C080-C120	8X12	1	3	470	2249.86



Double Containment Centralizers



Centralizers are a simple slip-on design that are positioned and held in place by a few wraps of clean-room adhesive on each side. Centralizers hold the Carrier piping centrally located within the Containment piping and are designed with an annular space for routing of leak detection cable, if used. See *Double Containment Design & Installation Guide* for proper installation.

The following Spacing Chart can be used as a guide for determining the quantity of Centralizers needed, based on temperature and Carrier pipe size and schedule selected.

RECOMMENDED MINIMUM CENTRALIZER SUPPORT SPACING (ft.) *

Carrier Size (in.)	PVC SCHEDULE 40 CARRIER					PVC SCHEDULE 80 CARRIER					CPVC SCHEDULE 80 CARRIER					
	Temperature °F					Temperature °F					Temperature °F					
	60°	80°	100°	120°	140°	60°	80°	100°	120°	140°	73°	100°	120°	140°	160°	180°
1/2	4-1/2	4-1/2	4	2-1/2	2-1/2	5	4-1/2	4-1/2	3	2-1/2	5-1/2	5	4-1/2	4-1/2	3	2-1/2
3/4	5	4-1/2	4	2-1/2	2-1/2	5-1/2	5	4-1/2	3	2-1/2	5-1/2	5-1/2	5	4-1/2	3	2-1/2
1	5-1/2	5	4-1/2	3	2-1/2	6	5-1/2	5	3-1/2	3	6	6	5-1/2	5	3-1/2	2
1-1/2	6	5-1/2	5	3-1/2	3	6-1/2	6	5-1/2	3-1/2	3-1/2	7	6-1/2	6	5-1/2	3-1/2	3-1/2
2	6	5-1/2	5	3-1/2	3	7	6-1/2	6	4	3-1/2	7	7	6-1/2	6	4	3-1/2
3	7	7	6	4	3-1/2	8	7-1/2	7	4-1/2	4	8	8	7-1/2	7	4-1/2	4
4	7-1/2	7	6-1/2	4-1/2	4	9	8-1/2	7-1/2	5	4-1/2	9	8-1/2	8	7-1/2	5	4-1/2
6	8-1/2	8	7-1/2	5	4-1/2	10	9-1/2	9	6	5	10	9-1/2	9	8	5-1/2	5
8	9	8-1/2	8	5	4-1/2	11	10-1/2	9-1/2	6-1/2	5-1/2	11	10-1/2	10	9	6	5-1/2
10	10	9	8-1/2	5-1/2	5	12	11	10	7	6	11-1/2	11	10-1/2	9-1/2	6-1/2	6
12	11-1/2	10-1/2	9-1/2	6-1/2	5-1/2	13	12	10-1/2	7-1/2	6-1/2	12-1/2	12	11-1/2	10-1/2	7-1/2	6-1/2

Note: Specified minimum spacing can also be used for system support according to the secondary Containment pipe size and schedule used. Where practical, system support should correspond to internal carrier support (centralizers) to minimize concentrated point loads.

* **Note:** Data furnished is based on raw material manufacturer's information. This information can be considered a reliable recommendation, but not a guarantee. Actual service conditions and system parameters should be evaluated by qualified personnel.

DC Centralizer IPS O.D. x Sch 40 White I.D.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Carrier x Containment					
DCCT-H005-A020	1/2X2	55	330	470	12.57
DCCT-H007-A030	3/4X3	55	220	470	13.99
DCCT-H010-A030	1X3	55	220	470	13.99
DCCT-H015-A040	1-1/2X4	55	0	470	18.15
DCCT-H020-A040	2X4	55	0	470	18.15
DCCT-H030-A060	3X6	55	0	470	23.19
DCCT-H040-A080	4X8	55	0	470	28.65
DCCT-H060-A100	6X10	25	0	470	37.17
DCCT-H080-A120	8X12	25	0	470	46.67

DC Centralizer IPS O.D. x Sch 80 CPVC I.D.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Carrier x Containment					
DCCT-H005-C020	1/2X2	55	330	470	12.57
DCCT-H007-C030	3/4X3	55	220	470	13.99
DCCT-H010-C030	1X3	55	220	470	13.99
DCCT-H015-C040	1-1/2X4	55	0	470	18.15
DCCT-H020-C040	2X4	55	0	470	18.15
DCCT-H030-C060	3X6	55	0	470	23.19
DCCT-H040-C080	4X8	55	0	470	28.65
DCCT-H060-C100	6X10	1	24	470	37.17
DCCT-H080-C120	8X12	20	0	470	46.67

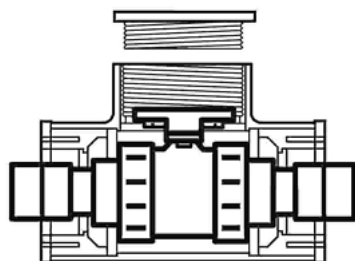
DC Centralizer IPS O.D. x Sch 40 Clear I.D.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Carrier x Containment					
DCCT-H005-G020	1/2X2	55	330	470	12.57
DCCT-H007-G020	3/4X2	55	330	470	12.57
DCCT-H010-G030	1X3	55	220	470	13.99
DCCT-H015-G040	1-1/2X4	55	220	470	18.15
DCCT-H020-G040	2X4	55	0	470	18.15
DCCT-H030-G060	3X6	55	0	470	23.19
DCCT-H040-G080	4X8	55	0	470	28.65

DC Centralizer IPS O.D. x Sch 80 PVC I.D.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Carrier x Containment					
DCCT-H005-B020	1/2X2	55	330	470	12.57
DCCT-H007-B020	3/4X2	55	330	470	12.57
DCCT-H010-B030	1X3	55	220	470	13.99
DCCT-H015-B040	1-1/2X4	55	0	470	18.15
DCCT-H020-B040	2X4	55	0	470	18.15
DCCT-H030-B060	3X6	55	0	470	23.19
DCCT-H040-B080	4X8	55	0	470	28.65
DCCT-H060-B100	6X10	24	0	470	37.17
DCCT-H080-B120	8X12	20	0	470	46.67

Double Containment Ball Valve Box With Valve



DC Ball Valve Boxes are made from a standard Spears® Tee fitting in designated material and Schedule selected, which is fitted with Carrier pipe size Ball Valve and bushed to specified Containment size. Includes Containment Valve Box fitting with threaded Access Plug, True Union 2000 Industrial Ball Valve with Lockout Handle and Centralizers for positioning valve in box. Carrier valves are equipped with extenders to facilitate cement assembly. See *Double Containment Design & Installation Guide* for proper installation.

True Union 2000 Industrial Ball Valve Specifications, Sizes 1/2" - 2":

Material: PVC/CPVC
 Seats: PTFE
 Seals: EPDM/Viton®
 PR, Water: 235 psi @ 73°F (23°C), 1/2" - 2"

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
 All Valves assembled with Silicone-Free,
 Water Soluble Lubricant

Contact Spears® for Pricing & Availability on Additional Sizes, Optional External Stem & Handle Extensions, Custom Elastomer Seals, or Seat & Seal Repair Kits

While Valve Boxes include Centralizers for valve, additional Centralizers are used inside the Containment piping system installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

Valve Box, with PVC True Union 2000 Industrial Ball Valve PVC Sch 40 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-A005-A020 280.17	VBA30-A005-A020 285.10	1	0	470
3/4X3	VBA20-A007-A030 291.81	VBA30-A007-A030 297.67	1	5	470
1X3	VBA20-A010-A030 300.10	VBA30-A010-A030 307.13	1	0	470
1-1/2X4	VBA20-A015-A040 515.02	VBA30-A015-A040 526.36	1	0	470
2X4	VBA20-A020-A040 585.61	VBA30-A020-A040 547.22	1	0	470

Valve Box, with PVC True Union 2000 Industrial Ball Valve PVC Sch 40 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-A005-G020 1242.77	VBA30-A005-G020 1247.70	1	0	470
3/4X3	VBA20-A007-G030 1251.12	VBA30-A007-G030 1256.98	1	0	470
1X3	VBA20-A010-G030 1261.31	VBA30-A010-G030 1269.33	1	0	470
1-1/2X4	VBA20-A015-G040 2268.18	VBA30-A015-G040 2279.51	1	0	470
2X4	VBA20-A020-G040 2302.06	VBA30-A020-G040 2316.44	1	0	470

Valve Box, with PVC True Union 2000 Industrial Ball Valve PVC Sch 80 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-B005-A020 294.02	VBA30-B005-A020 298.96	1	5	470
3/4X3	VBA20-B007-A030 306.10	VBA30-B007-A030 311.95	1	0	470

Valve Box, with PVC True Union 2000 Industrial Ball Valve PVC Sch 80 x PVC Sch 40 (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1X3	VBA20-B010-A030 316.41	VBA30-B010-A030 595.25	1	0	470
1-1/2X4	VBA20-B015-A040 546.81	VBA30-B015-A040 558.15	1	0	470
2X4	VBA20-B020-A040 601.50	VBA30-B020-A040 615.29	1	0	470

Valve Box, with PVC True Union 2000 Industrial Ball Valve PVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-B005-G020 1252.68	VBA30-B005-G020 1257.61	1	0	470
3/4X3	VBA20-B007-G030 1265.48	VBA30-B007-G030 1271.34	1	0	470
1X3	VBA20-B010-G030 1275.73	VBA30-B010-G030 1283.01	1	0	470
1-1/2X4	VBA20-B015-G040 2296.95	VBA30-B015-G040 2308.29	1	0	470
2X4	VBA20-B020-G040 2331.80	VBA30-B020-G040 2345.59	1	0	470

Valve Box, with PVC True Union 2000 Industrial Ball Valve PVC Sch 80 x PVC Sch 80

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-B005-B020 419.35	VBA30-B005-B020 592.76	1	0	470
3/4X3	VBA20-B007-B030 600.65	VBA30-B007-B030 606.51	1	0	470
1X3	VBA20-B010-B030 610.21	VBA30-B010-B030 616.91	1	0	470
1-1/2X4	VBA20-B015-B040 791.62	VBA30-B015-B040 803.07	1	0	470

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
 Progressive Products from Spears® Innovation and Technology

Page 601



Double Containment Ball Valve Box With Valve

Valve Box, with PVC True Union 2000 Industrial Ball Valve

PVC Sch 80 x PVC Sch 80 (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2X4	VBA20-B020-B040 929.63	VBA30-B020-B040 943.51	1	0	470

Valve Box, with CPVC True Union 2000 Industrial Ball Valve

CPVC Sch 80 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-C005-A020 316.55	VBA30-C005-A020 323.00	1	0	470
3/4X3	VBA20-C007-A030 328.66	VBA30-C007-A030 336.81	1	0	470
1X3	VBA20-C010-A030 348.53	VBA30-C010-A030 358.18	1	0	470
1-1/2X4	VBA20-C015-A040 617.20	VBA30-C015-A040 649.64	1	0	470
2X4	VBA20-C020-A040 663.34	VBA30-C020-A040 1021.51	1	0	470

Valve Box, with CPVC True Union 2000 Industrial Ball Valve

CPVC Sch 80 x PVC Sch 80

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-C005-B020 603.41	VBA30-C005-B020 609.86	1	0	470
3/4X3	VBA20-C007-B030 623.26	VBA30-C007-B030 631.40	1	5	470
1X3	VBA20-C010-B030 643.07	VBA30-C010-B030 652.73	1	4	470
1-1/2X4	VBA20-C015-B040 959.21	VBA30-C015-B040 976.56	1	3	470
2X4	VBA20-C020-B040 1015.54	VBA30-C020-B040 1044.73	1	5	470

Valve Box, with CPVC True Union 2000 Industrial Ball Valve

CPVC Sch 80 x CPVC Sch 80

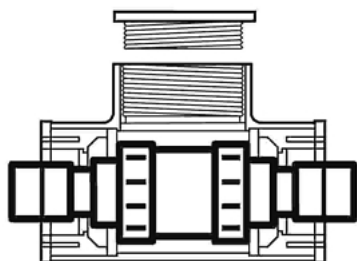
Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-C005-C020 911.17	VBA30-C005-C020 917.61	1	0	470
3/4X3	VBA20-C007-C030 934.11	VBA30-C007-C030 942.26	1	3	470
1X3	VBA20-C010-C030 973.60	VBA30-C010-C030 1747.81	1	3	470
1-1/2X4	VBA20-C015-C040 1884.41	VBA30-C015-C040 1900.66	1	3	470
2X4	VBA20-C020-C040 1940.37	VBA30-C020-C040 1969.56	1	5	470

Valve Box, with CPVC True Union 2000 Industrial Ball Valve

CPVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBA20-C005-G020 1268.20	VBA30-C005-G020 1274.64	1	4	470
3/4X3	VBA20-C007-G030 1288.04	VBA30-C007-G030 1296.18	1	0	470
1X3	VBA20-C010-G030 1307.85	VBA30-C010-G030 1340.15	1	5	470
1-1/2X4	VBA20-C015-G040 2356.90	VBA30-C015-G040 874.20	1	0	470
2X4	VBA20-C020-G040 2413.11	VBA30-C020-G040 2442.31	1	0	470

Double Containment Ball Check Valve Box With Valve



DC Ball Check Valve Boxes are made from a standard Spears® Tee fitting in designated material and Schedule selected, which is fitted with Carrier pipe size Ball Check Valve and bushed to specified Containment size. Includes Containment Valve Box fitting with threaded Access Plug, True Union 2000 Industrial Ball Check Valve and Centralizers for positioning valve in box. Carrier valves are equipped with extenders to facilitate cement assembly. See *Double Containment Design & Installation Guide* for proper installation.

True Union 2000 Industrial Ball Check Valve Specifications,
Sizes 1/2" - 2":

Material: PVC/CPVC
Seals: EPDM/Viton®
PR, Water: 235 psi @ 73°F (23°C), 1/2" - 2"

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
All Valves assembled with Silicone-Free,
Water Soluble Lubricant

Contact Spears® for Pricing & Availability on Additional Sizes, Custom Elastomer Seals, or Seat & Seal Repair Kits

General Installation Information: Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow.

While Valve Boxes include Centralizers for valve, additional Centralizers are used inside the Containment piping system installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

Valve Box, with PVC True Union 2000 Industrial Ball Check Valve PVC Sch 40 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-A005-A020 284.32	VBC3-A005-A020 290.65	1	4	470
3/4X3	VBC2-A007-A030 294.20	VBC3-A007-A030 301.12	1	4	470
1X3	VBC2-A010-A030 306.27	VBC3-A010-A030 314.37	1	0	470
1-1/2X4	VBC2-A015-A040 539.43	VBC3-A015-A040 552.49	1	3	470
2X4	VBC2-A020-A040 584.35	VBC3-A020-A040 602.46	1	3	470

Valve Box, with PVC True Union 2000 Industrial Ball Check Valve PVC Sch 40 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-A005-G020 1248.90	VBC3-A005-G020 1254.33	1	4	470
3/4X3	VBC2-A007-G030 1258.56	VBC3-A007-G030 1265.48	1	4	470
1X3	VBC2-A010-G030 1270.63	VBC3-A010-G030 1278.76	1	3	470
1-1/2X4	VBC2-A015-G040 2289.19	VBC3-A015-G040 2302.26	1	3	470
2X4	VBC2-A020-G040 2333.99	VBC3-A020-G040 2352.10	1	3	470

Valve Box, with PVC True Union 2000 Industrial Ball Check Valve PVC Sch 80 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-B005-A020 299.90	VBC3-B005-A020 306.24	1	4	470
3/4X3	VBC2-B007-A030 313.51	VBC3-B007-A030 320.43	1	4	470

Valve Box, with PVC True Union 2000 Industrial Ball Check Valve PVC Sch 80 x PVC Sch 40 (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1X3	VBC2-B010-A030 325.16	VBC3-B010-A030 326.93	1	3	470
1-1/2X4	VBC2-B015-A040 562.55	VBC3-B015-A040 575.60	1	3	470
2X4	VBC2-B020-A040 607.72	VBC3-B020-A040 625.83	1	3	470

Valve Box, with PVC True Union 2000 Industrial Ball Check Valve PVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-B005-G020 1259.24	VBC3-B005-G020 1265.59	1	4	470
3/4X3	VBC2-B007-G030 1272.85	VBC3-B007-G030 1279.77	1	4	470
1X3	VBC2-B010-G030 1284.50	VBC3-B010-G030 1279.77	1	3	470
1-1/2X4	VBC2-B015-G040 2312.31	VBC3-B015-G040 2325.36	1	3	470
2X4	VBC2-B020-G040 2357.40	VBC3-B020-G040 2357.40	1	3	470

Valve Box, with PVC True Union 2000 Industrial Ball Check Valve PVC Sch 80 x PVC Sch 80

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-B005-B020 594.47	VBC3-B005-B020 600.13	1	4	470
3/4X3	VBC2-B007-B030 608.07	VBC3-B007-B030 614.99	1	4	470
1X3	VBC2-B010-B030 619.71	VBC3-B010-B030 619.71	1	3	470
1-1/2X4	VBC2-B015-B040 914.56	VBC3-B015-B040 927.62	1	3	470



Double Containment Ball Check Valve Box With Valve

Valve Box, with PVC True Union 2000 Industrial Ball Check Valve

PVC Sch 80 x PVC Sch 80 (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
2X4	VBC2-B020-B040 959.79	VBC3-B020-B040 977.89	1	3	470

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-C005-A020 329.46	VBC3-C005-A020 337.81	1	4	470
3/4X3	VBC2-C007-A030 348.62	VBC3-C007-A030 358.44	1	4	470
1X3	VBC2-C010-A030 372.12	VBC3-C010-A030 381.93	1	3	470
1-1/2X4	VBC2-C015-A040 667.19	VBC3-C015-A040 686.91	1	4	470
2X4	VBC2-C020-A040 734.27	VBC3-C020-A040 761.57	1	4	470

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x PVC Sch 80

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-C005-B020 619.01	VBC3-C005-B020 627.35	1	4	470
3/4X3	VBC2-C007-B030 638.17	VBC3-C007-B030 647.99	1	4	470
1X3	VBC2-C010-B030 660.07	VBC3-C010-B030 671.62	1	3	470
1-1/2X4	VBC2-C015-B040 949.48	VBC3-C015-B040 969.19	1	3	470
2X4	VBC2-C020-B040 1021.61	VBC3-C020-B040 1048.91	1	0	470

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x CPVC Sch 80

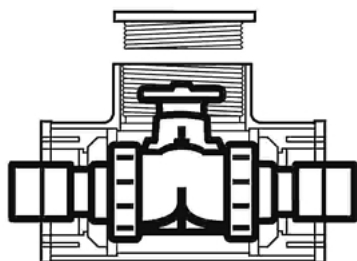
Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-C005-C020 980.18	VBC3-C005-C020 988.53	1	0	470
3/4X3	VBC2-C007-C030 999.47	VBC3-C007-C030 1009.28	1	4	470
1X3	VBC2-C010-C030 1021.23	VBC3-C010-C030 1032.78	1	4	470
1-1/2X4	VBC2-C015-C040 1775.41	VBC3-C015-C040 1795.14	1	3	470
2X4	VBC2-C020-C040 1839.97	VBC3-C020-C040 1867.28	1	3	470

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBC2-C005-G020 1257.77	VBC3-C005-G020 1266.11	1	4	470
3/4X3	VBC2-C007-G030 1303.10	VBC3-C007-G030 1312.91	1	4	470
1X3	VBC2-C010-G030 1324.85	VBC3-C010-G030 1336.39	1	3	470
1-1/2X4	VBC2-C015-G040 2389.95	VBC3-C015-G040 2409.67	1	4	470
2X4	VBC2-C020-G040 2457.02	VBC3-C020-G040 2484.34	1	4	470

Double Containment Diaphragm Valve Box With Valve



DC Diaphragm Valve Boxes are made from a standard Spears® Tee fitting in designated material and Schedule selected, which is fitted with Carrier pipe size Diaphragm Valve and bushed to specified Containment size. Includes Containment Valve Box fitting with threaded Access Plug, True Union Diaphragm Valve and Centralizers for positioning valve in box. Carrier valves are equipped with extenders to facilitate cement assembly. See *Double Containment Design & Installation Guide* for proper installation.

True Union Diaphragm Valve Specifications, Sizes 1/2" - 2":

Material: PVC/CPVC
Seals: EPDM/Viton®
PR, Water: 235 psi @ 73°F (23°C), 1/2" - 2"

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply
No Lubricants in Media Contact Area

Contact Spears® for Pricing & Availability on Additional Sizes, Elastomer Backed PTFE Diaphragms, or Diaphragm & Seal Repair Kits.

While Valve Boxes include Centralizers for valve, additional Centralizers are used inside the Containment piping system installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

Valve Box, with PVC True Union Diaphragm Valve PVC Sch 40 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-A005-A020 361.63	VBD30-A005-A020 375.18	1	0	470
3/4X3	VBD20-A007-A030 378.43	VBD30-A007-A030 393.82	1	0	470
1X3	VBD20-A010-A030 411.46	VBD30-A010-A030 428.33	1	0	470
1-1/2X4	VBD20-A015-A040 701.57	VBD30-A015-A040 743.57	1	0	470
2X4	VBD20-A020-A040 752.28	VBD30-A020-A040 811.13	1	0	470

Valve Box, with PVC True Union Diaphragm Valve PVC Sch 40 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-A005-G020 1320.96	VBD30-A005-G020 1334.52	1	0	470
3/4X3	VBD20-A007-G030 1362.91	VBD30-A007-G030 1378.31	1	0	470
1X3	VBD20-A010-G030 1396.09	VBD30-A010-G030 1412.96	1	0	470
1-1/2X4	VBD20-A015-G040 2452.01	VBD30-A015-G040 2494.01	1	0	470
2X4	VBD20-A020-G040 2502.67	VBD30-A020-G040 2561.52	1	0	470

Valve Box, with PVC True Union Diaphragm Valve PVC Sch 80 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-B005-A020 372.19	VBD30-B005-A020 385.74	1	0	470
3/4X3	VBD20-B007-A030 392.71	VBD30-B007-A030 408.11	1	0	470
1X3	VBD20-B010-A030 425.31	VBD30-B010-A030 442.18	1	0	470

Valve Box, with PVC True Union Diaphragm Valve PVC Sch 80 x PVC Sch 40 (continued)

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1-1/2X4	VBD20-B015-A040 724.84	VBD30-B015-A040 766.84	1	0	470
2X4	VBD20-B020-A040 775.77	VBD30-B020-A040 834.62	1	0	470

Valve Box, with PVC True Union Diaphragm Valve PVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-B005-G020 1358.97	VBD30-B005-G020 1372.52	1	0	470
3/4X3	VBD20-B007-G030 1377.19	VBD30-B007-G030 1392.59	1	0	470
1X3	VBD20-B010-G030 1409.79	VBD30-B010-G030 1426.66	1	0	470
1-1/2X4	VBD20-B015-G040 2475.13	VBD30-B015-G040 2517.13	1	0	470
2X4	VBD20-B020-G040 2526.21	VBD30-B020-G040 2585.06	1	0	470

Valve Box, with PVC True Union Diaphragm Valve PVC Sch 80 x PVC Sch 80

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-B005-B020 666.73	VBD30-B005-B020 680.30	1	0	470
3/4X3	VBD20-B007-B030 687.21	VBD30-B007-B030 702.61	1	0	470
1X3	VBD20-B010-B030 719.79	VBD30-B010-B030 736.66	1	0	470
1-1/2X4	VBD20-B015-B040 1059.83	VBD30-B015-B040 1101.83	1	0	470
2X4	VBD20-B020-B040 1110.91	VBD30-B020-B040 1169.76	1	0	470



Double Containment Diaphragm Valve Box With Valve

Valve Box, with CPVC True Union Diaphragm Valve CPVC Sch 80 x PVC Sch 40

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-C005-A020 467.14	VBD30-C005-A020 527.99	1	0	470
3/4X3	VBD20-C007-A030 496.20	VBD30-C007-A030 605.74	1	0	470
1X3	VBD20-C010-A030 560.06	VBD30-C010-A030 641.54	1	0	470
1-1/2X4	VBD20-C015-A040 890.22	VBD30-C015-A040 988.31	1	0	470
2X4	VBD20-C020-A040 925.18	VBD30-C020-A040 1040.54	1	0	470

Valve Box, with CPVC True Union Diaphragm Valve CPVC Sch 80 x PVC Sch 80

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-C005-B020 723.07	VBD30-C005-B020 783.94	1	5	470
3/4X3	VBD20-C007-B030 790.76	VBD30-C007-B030 900.31	1	6	470
1X3	VBD20-C010-B030 833.73	VBD30-C010-B030 915.22	1	6	470
1-1/2X4	VBD20-C015-B040 1242.54	VBD30-C015-B040 1315.48	1	4	470
2X4	VBD20-C020-B040 1277.50	VBD30-C020-B040 1392.86	1	0	470

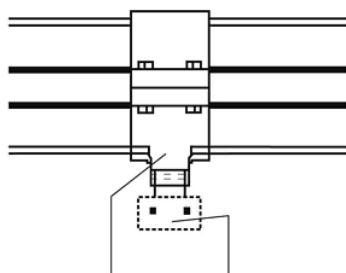
Valve Box, with CPVC True Union Diaphragm Valve CPVC Sch 80 x CPVC Sch 80

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-C005-C020 1034.68	VBD30-C005-C020 1095.54	1	0	470
3/4X3	VBD20-C007-C030 1101.61	VBD30-C007-C030 1211.16	1	0	470
1X3	VBD20-C010-C030 1144.53	VBD30-C010-C030 1226.02	1	0	470
1-1/2X4	VBD20-C015-C040 2026.94	VBD30-C015-C040 2099.86	1	0	470
2X4	VBD20-C020-C040 2061.89	VBD30-C020-C040 2177.26	1	0	470

Valve Box, with CPVC True Union Diaphragm Valve CPVC Sch 80 x PVC Sch 40 Clear

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
1/2X2	VBD20-C005-G020 1426.34	VBD30-C005-G020 1487.20	1	0	470
3/4X3	VBD20-C007-G030 1455.53	VBD30-C007-G030 1565.09	1	0	470
1X3	VBD20-C010-G030 1498.52	VBD30-C010-G030 1580.00	1	0	470
1-1/2X4	VBD20-C015-G040 2640.23	VBD30-C015-G040 2712.84	1	0	470
2X4	VBD20-C020-G040 2675.19	VBD30-C020-G040 2790.55	1	0	470

Double Containment Clamp-on Saddles for Leak Detection Sensors



Leak Detection Sensor Saddles are special devices which can be installed on the Containment system where a "low-point" is desired for leak detection apparatus. Spears® Clamp-on style saddles feature an internal O-ring seal to allow easy installation anywhere on the containment piping. Saddles may also be used in Containment high points for air relief or for connection of Containment drainage valves (see note below). See *Double Containment Design & Installation Guide* for proper installation.

PVC White Clamp-On Saddle x SR Thread

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

with EPDM O-ring Seal & SS Hardware

2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

467SE-247SR	2X1/2	3/4	1	10	046	50.84
467SE-248SR	2X3/4	7/8	1	10	046	50.84
467SE-333SR ¹	3X1/2	7/8	1	10	046	68.23
467SE-334SR	3X3/4	7/8	1	10	046	68.23
467SE-415SR ¹	4X1/2	1-1/8	1	10	046	85.61
467SE-416SR ¹	4X3/4	1-1/8	1	10	046	85.61
467SE-523SR ¹	6X1/2	1-1/8	1	4	046	143.86
467SE-524SR ¹	6X3/4	1-1/8	1	4	046	143.86
467SE-573SR ¹	8X1/2	4	1	0	046	206.39
467SE-574SR ¹	8X3/4	4	1	0	046	206.39

1-Outlet Sized with Adapter

PVC White Saddles with Viton® O-ring seals available by special order

PVC Gray Clamp-On Saddle x SR Thread

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

with EPDM O-ring Seal & SS Hardware

2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867S-247SR	2X1/2	3/4	1	10	086	54.88
867S-248SR	2X3/4	7/8	1	10	086	54.88
867S-333SR ¹	3X1/2	7/8	1	10	086	73.79
867S-334SR	3X3/4	7/8	1	10	086	73.79
867S-415SR ¹	4X1/2	1-1/8	1	10	086	92.90
867S-416SR ¹	4X3/4	1-1/8	1	10	086	92.90
867S-523SR ¹	6X1/2	1-1/8	1	4	086	134.30
867S-524SR ¹	6X3/4	1-1/8	1	4	086	134.30
867S-573SR ¹	8X1/2	4	1	0	086	249.03
867S-574SR ¹	8X3/4	4	1	0	086	249.03

1- Outlet sized with Adapter

PVC Gray Clamp-On Saddle x SR Thread

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

with Viton® O-ring Seal & SS Hardware

2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867SV-247SR	2X1/2	3/4	1	10	086	61.41
867SV-248SR	2X3/4	7/8	1	10	086	61.41
867SV-333SR ¹	3X1/2	7/8	1	10	086	82.10
867SV-334SR	3X3/4	7/8	1	10	086	82.10
867SV-415SR ¹	4X1/2	1-1/8	1	10	086	103.66
867SV-416SR ¹	4X3/4	1-1/8	1	10	086	103.66
867SV-523SR ¹	6X1/2	1-1/8	1	4	086	152.26
867SV-524SR ¹	6X3/4	1-1/8	1	4	086	152.26
867SV-573SR ¹	8X1/2	4	1	0	086	272.10
867SV-574SR ¹	8X3/4	4	1	0	086	272.10

Made in the U.S.A.

Clamp-on Saddle Specifications, Containment sizes 2" - 8":

Material: PVC White/PVC Gray/CPVC
 Seals: EPDM/Viton®
 Hardware: Stainless Steel (no fluid contact)
 Outlet: Special Reinforced (SR) Female Plastic thread
 1/2" or 3/4" NPT (see note below)
 PR, Water: 235 psi @ 73°F (23°C), 2" - 4"
 200 psi @ 73°F (23°C), 6"
 150 psi @ 73°F (23°C), 8"

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

Note: Saddles specified in this catalog are for listed containment pipe sizes through 8", with 1/2" or 3/4" NPT connections. For a wide variety of additional pipe and outlet sizes, including solvent weld outlets, please refer to Spears® *PVC/CPVC Clamp-On & Hot-Tap Saddles*.

PVC Gray Clamp-On Saddle x SR Thread (continued)

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

with Viton® O-ring Seal & SS Hardware

1-Outlet sized with Adapter

CPVC Gray Clamp-On Saddle x SR Thread

Part Number	Size	Hole Saw Dia	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------------	--------	----------	-----------	------------

with EPDM O-ring Seal & SS Hardware

2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867S-247CSR	2X1/2	3/4	1	10	096	91.91
867S-248CSR	2X3/4	7/8	1	10	096	91.91
867S-333CSR ¹	3X1/2	7/8	1	10	096	123.03
867S-334CSR	3X3/4	7/8	1	10	096	123.03
867S-415CSR ¹	4X1/2	1-1/8	1	10	096	154.84
867S-416CSR ¹	4X3/4	1-1/8	1	10	096	154.84
867S-523CSR ¹	6X1/2	1-1/8	1	4	096	258.07
867S-524CSR ¹	6X3/4	1-1/8	1	4	096	258.07
867S-573CSR	8X1/2	4	1	0	096	458.47
867S-574CSR ¹	8X3/4	4	1	0	096	458.47

1-Outlet sized with Adapter

with Viton® O-ring Seal & SS Hardware

2"-4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)

867SV-247CSR	2X1/2	3/4	1	10	096	102.33
867SV-248CSR	2X3/4	7/8	1	10	096	102.33
867SV-333CSR ¹	3X1/2	7/8	1	10	096	137.47
867SV-334CSR	3X3/4	7/8	1	10	096	137.47
867SV-415CSR ¹	4X1/2	1-1/8	1	10	096	173.69
867SV-416CSR ¹	4X3/4	1-1/8	1	10	096	173.69
867SV-523CSR ¹	6X1/2	1-1/8	1	4	096	289.48
867SV-524CSR ¹	6X3/4	1-1/8	1	4	096	289.48
867SV-573CSR ¹	8X1/2	4	1	0	096	498.68
867SV-574CSR ¹	8X3/4	4	1	0	096	498.68

1-Outlet sized with Adapter



Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Tee Soc x Soc x Soc



280-102502	6	1	8	300	44.26
280-102499	6X2	1	6	300	34.95
280-102500	6X3	1	4	300	37.89
280-102501	6X4	1	4	300	39.64
280-102507	8	1	2	300	70.10
280-102503	8X2	1	2	300	45.09
280-102504	8X3	1	3	300	53.57
280-102505	8X4	1	2	300	55.91
280-102506	8X6	1	0	300	64.06
280-102513	10	1	0	300	87.41
280-102508	10X2	1	0	300	71.07
280-102509	10X3	1	0	300	72.24
280-102510	10X4	1	0	300	74.03
280-102511	10X6	1	0	300	75.74
280-102512	10X8	1	0	300	81.22
280-102520	12	1	0	300	142.17
280-102514	12X2	1	2	300	93.23
280-102515	12X3	1	0	300	99.10
280-102516	12X4	1	0	300	103.70
280-102517	12X6	1	0	300	105.76
280-102518	12X8	1	0	300	110.76
280-102519	12X10	1	0	300	121.20
280-102528	15	1	0	300	282.07
280-102521	15X2	1	0	300	151.50
280-102522	15X3	1	0	300	151.50
280-102523	15X4	1	0	300	157.34
280-102524	15X6	1	0	300	161.98
280-102525	15X8	1	0	300	180.64
280-102526	15X10	1	0	300	201.60
280-102527	15X12	1	0	300	235.41
280-102537	18	1	0	300	490.72
280-102529	18X2	1	0	300	285.53
280-102530	18X3	1	0	300	287.83
280-102531	18X4	1	0	300	290.21
280-102532	18X6	1	0	300	296.03
280-102533	18X8	1	0	300	300.71
280-102534	18X10	1	0	300	328.69
280-102535	18X12	1	0	300	362.51
280-102536	18X15	1	0	300	396.29
280-102547	20	1	0	300	607.27
280-102538	20X2	1	0	300	361.32
280-102539	20X3	1	0	300	365.06
280-102540	20X4	1	0	300	370.63
280-102541	20X6	1	0	300	382.32
280-102542	20X8	1	0	300	390.46
280-102543	20X10	1	0	300	432.40
280-102544	20X12	1	0	300	459.23
280-102545	20X15	1	0	300	493.07
280-102546	20X18	1	0	300	554.80

90° Elbow Soc x Soc



280-100812	6	1	4	300	69.93
280-100813	8	1	2	300	86.21
280-100814	10	1	0	300	137.55
280-100815	12	1	0	300	180.64
280-100816	15	1	0	300	294.86
280-100817	18	1	0	300	510.49
280-100818	20	1	0	300	687.73

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

11-1/4° Elbow Soc x Soc



280-100114	6	1	10	300	22.15
280-100115	8	1	4	300	31.49
280-100116	10	1	2	300	45.43
280-100117	12	1	2	300	62.93
280-100118	15	1	0	300	108.39
280-100119	18	1	0	300	186.50
280-100120	20	1	0	300	236.60

15° Elbow Soc x Soc



280-100234	6	1	10	300	22.15
280-100235	8	1	4	300	31.49
280-100236	10	1	2	300	45.43
280-100237	12	1	2	300	62.93
280-100238	15	1	0	300	108.39
280-100239	18	1	0	300	189.97
280-100240	20	1	0	300	245.90

22-1/2° Elbow Soc x Soc



280-100354	6	1	4	300	22.15
280-100355	8	1	3	300	31.49
280-100356	10	1	2	300	45.43
280-100357	12	1	2	300	62.93
280-100358	15	1	0	300	108.39
280-100359	18	1	0	300	189.97
280-100360	20	1	0	300	245.90

30° Elbow Soc x Soc



280-100474	6	1	8	300	37.27
280-100475	8	1	4	300	54.73
280-100476	10	1	2	300	67.59
280-100477	12	1	2	300	110.76
280-100478	15	1	0	300	178.33
280-100479	18	1	0	300	315.83
280-100480	20	1	0	300	350.83

45° Elbow Soc x Soc



280-100592	6	1	4	300	37.27
280-100593	8	1	4	300	54.73
280-100594	10	1	2	300	67.59
280-100595	12	1	2	300	110.76
280-100596	15	1	0	300	178.33
280-100597	18	1	0	300	315.83
280-100598	20	1	0	300	350.83

60° Elbow Soc x Soc



280-100702	6	1	4	300	69.93
280-100703	8	1	2	300	86.21
280-100704	10	1	0	300	137.55
280-100705	12	1	0	300	180.64
280-100706	15	1	0	300	294.86
280-100707	18	1	0	300	510.49
280-100708	20	1	0	300	687.73

Fabricated Fittings **PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Coupling **Soc x Soc**



280-100001	4 IPS	1	10	300	15.10
280-100002	6	1	5	300	18.63
280-100003	8	1	6	300	20.97
280-100004	10	1	4	300	29.15
280-100005	12	1	4	300	39.64
280-100006	15	1	0	300	69.93
280-100007	18	1	0	300	124.68
280-100008	20	1	0	300	153.83

Reducer **Soc x Soc**



280-100928	8X6	1	2	300	32.63
2829-626	10X6	1	4	300	131.46
280-100931	10X8	1	4	300	50.12
280-100933	12X6	1	6	300	187.45
280-100934	12X8	1	4	300	145.69
280-100935	12X10	1	4	300	72.29
2829-726	15X6	1	0	300	325.31
2829-728	15X8	1	0	309	233.65
280-100939	15X10	1	0	300	166.13
280-100940	15X12	1	0	300	109.52
2829-786	18X6	1	0	300	488.52
2829-788	18X8	1	0	300	459.60
280-100944	18X10	1	0	300	402.13
280-100945	18X12	1	0	300	360.09
280-100946	18X15	1	0	300	176.00
2829-816	20X6	1	0	300	752.24
2829-818	20X8	1	0	300	716.20
2829-820	20X10	1	0	300	662.19
2829-822	20X12	1	0	300	608.61
2829-825	20X15	1	0	300	497.71
280-100953	20X18	1	0	300	257.56

PIP x IPS Reducer **Soc x Soc**



280-101536	6X4	1	4	300	26.21
280-101537	8X6	1	8	300	37.89
280-101538	10X8	1	4	300	50.12
280-101534	12X8	1	4	300	145.69
280-101539	12X10	1	4	300	87.40
280-101540	15X12	1	0	300	139.82

IPS X PIP Adapter **Soc x Soc**



280-101649	6	1	4	300	29.15
280-101650	8	1	4	300	43.09
280-101651	10	1	4	300	67.59
280-101652	12	1	4	300	95.56

Concrete Adapter **Soc x Concrete**



280-101761	6X6	1	5	300	27.97
280-101762	8X8	1	6	300	40.77
280-101763	10X10	1	4	300	62.93
280-101764	12X12	1	4	300	88.54
280-101765	12X14	1	0	300	94.37
280-101766	15X14	1	0	300	130.50
280-101767	15X15	1	0	300	134.04

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Concrete Adapter (continued) **Soc x Concrete**

280-101768	15X16	1	0	300	136.37
280-101769	18X18	1	0	300	158.51
280-101770	20X20	1	0	300	198.13

Linegate Valve Adapter **Linegate x Soc**



280-101777	6	1	6	300	23.23
280-101778	8	1	6	300	26.35
280-101779	10	1	4	300	41.99
280-101780	12	1	4	300	59.45
280-101781	15	1	0	300	102.54
2845-180	18	1	0	300	147.65

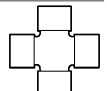
Linegate Valve PIP Adapter **Linegate x Soc**



2845-180P	18	1	0	300	147.65
-----------	----	---	---	-----	--------

Cross

Soc x Soc x Soc x Soc



280-103286	6	1	0	300	73.41
280-103283	6X2	1	0	300	58.26
280-103284	6X3	1	0	300	58.26
280-103285	6X4	1	4	300	64.06
280-103291	8	1	0	300	100.26
280-103287	8X2	1	0	300	81.56
280-103288	8X3	1	0	300	81.56
280-103289	8X4	1	0	300	87.40
280-103290	8X6	1	0	300	92.03
280-103297	10	1	0	300	136.37
280-103292	10X2	1	2	300	81.56
280-103293	10X3	1	0	300	84.50
280-103294	10X4	1	0	300	87.40
280-103295	10X6	1	0	300	97.91
280-103296	10X8	1	0	300	111.84
280-103304	12	1	0	300	189.97
280-103298	12X2	1	0	300	110.15
280-103299	12X3	1	0	300	111.27
280-103300	12X4	1	0	300	114.19
280-103301	12X6	1	0	300	123.54
280-103302	12X8	1	0	300	134.04
280-103303	12X10	1	0	300	161.98
280-103321	15	1	0	300	362.51
280-103313	15X2	1	0	300	161.98
280-103314	15X3	1	0	300	165.50
280-103315	15X4	1	0	300	173.68
280-103316	15X6	1	0	300	184.15
280-103317	15X8	1	0	300	198.13
280-103318	15X10	1	0	300	234.29
280-103319	15X12	1	0	300	282.07
280-103342	18	1	0	300	581.61
280-103332	18X2	1	0	300	314.70
280-103333	18X3	1	0	300	317.63
280-103334	18X4	1	0	300	320.55
280-103335	18X6	1	0	300	328.69
280-103336	18X8	1	0	300	338.00
280-103337	18X10	1	0	300	384.60
280-103338	18X12	1	0	300	409.16
280-103340	18X15	1	0	300	466.26
280-103354	20	1	0	300	765.80
280-103343	20X2	1	0	300	441.73
280-103344	20X3	1	0	300	445.23
280-103345	20X4	1	0	300	448.76



Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Cross (continued)

Soc x Soc x Soc x Soc

280-103346	20X6	1	0	300	459.23
280-103347	20X8	1	0	300	470.90
280-103348	20X10	1	0	300	504.67
280-103349	20X12	1	0	300	543.16
280-103351	20X15	1	0	300	568.79
280-103353	20X18	1	0	300	667.88

Orchard Riser

Saddle x Riser



2880-04030	4X4	1	0	301	33.74
2880-53230	6X4	1	25	301	33.74
2880-06030	6X6	1	25	301	58.26
2880-58230	8X4	1	25	301	33.74
2880-58530	8X6	1	25	301	44.26
2880-08030	8X8	1	12	301	81.60
2880-62430	10X4	1	30	301	34.95
2880-62630	10X6	1	20	301	44.26
2880-62830	10X8	1	16	301	60.60
2880-10030	10X10	1	6	301	116.52
2880-66430	12X4	1	25	301	36.11
2880-66630	12X6	1	20	301	44.26
2880-66830	12X8	1	12	301	60.60
2880-67030	12X10	1	9	301	83.89
2880-12030	12X12	1	6	301	163.16
2880-72430	15X4	1	25	301	38.44
2880-72630	15X6	1	25	301	51.24
2880-72830	15X8	1	12	301	68.77
2880-73030	15X10	1	9	301	95.56
2880-73230	15X12	1	6	301	131.69
2880-15030	15X15	1	4	301	272.73
2880-78430	18X4	1	25	301	41.99
2880-78630	18X6	1	25	301	49.84
2880-78830	18X8	1	10	301	72.29
2880-79030	18X10	1	9	301	96.73
2880-79230	18X12	1	6	301	149.16
2880-79530	18X15	1	4	301	215.61
2880-18030	18X18	1	3	301	409.09
2880-81430	20X4	1	0	301	44.29
2880-81630	20X6	1	12	301	58.29
2880-81830	20X8	1	12	301	87.40
2880-82030	20X10	1	6	301	136.38
2880-82230	20X12	1	5	301	165.50
2880-82530	20X15	1	0	301	243.64
2880-82830	20X18	1	0	301	299.54
2880-20030	20X20	1	2	301	528.03

Erosion Pot Riser

Saddle x Riser x Pot



2881-53232	6X4X8	1	16	301	64.59
2881-06032	6X6X10	1	0	301	77.29
2881-58232	8X4X8	1	20	301	64.59
2881-58532	8X6X10	1	0	301	77.29
2881-08032	8X8X12	1	0	301	109.30
2881-62432	10X4X8	1	16	301	64.59
2881-62632	10X6X10	1	0	301	77.29
2881-62832	10X8X12	1	12	301	109.30
2881-10032	10X10X15	1	0	301	150.17
2881-66432	12X4X8	1	20	301	64.59
2881-66632	12X6X10	1	12	301	77.29
2881-66832	12X8X12	1	12	301	109.30
2881-67032	12X10X15	1	0	301	150.17
2881-12032	12X12X18	1	0	301	198.78
2881-72432	15X4X8	1	0	301	64.59

Erosion Pot Riser (continued)

Saddle x Riser x Pot

2881-72632	15X6X10	1	12	301	77.29
2881-72832	15X8X12	1	0	301	109.30
2881-73032	15X10X15	1	0	301	150.17
2881-73232	15X12X18	1	0	301	198.78
2881-15032	15X15X20	1	0	301	292.63
2881-78432	18X4X8	1	0	301	64.59
2881-78632	18X6X10	1	0	301	77.29
2881-78832	18X8X12	1	0	301	109.30
2881-79032	18X10X15	1	0	301	150.17
2881-79232	18X12X18	1	0	301	198.78
2881-79532	18X15X20	1	0	301	292.63
2881-81432	20X4X8	1	0	301	64.59
2881-81632	20X6X10	1	0	301	77.29
2881-81832	20X8X12	1	0	301	109.30
2881-82032	20X10X15	1	0	301	150.17
2881-82232	20X12X18	1	0	301	198.78
2881-82532	20X15X20	1	0	301	292.63

Mechanical Vent Assembly

Saddle x Riser/Vent



2882-420	4X2	1	10	301	64.06
2882-422	4X3	1	0	301	99.03
2882-528	6X2	1	10	301	64.06
2882-530	6X3	1	5	301	99.03
2882-532	6X4	1	5	301	137.55
2882-578	8X2	1	8	301	64.06
2882-580	8X3	1	4	301	99.03
2882-582	8X4	1	8	301	137.55
2882-621	10X2	1	10	301	64.06
2882-623	10X3	1	5	301	99.03
2882-624	10X4	1	3	301	137.55
2882-661	12X2	1	10	301	64.06
2882-663	12X3	1	5	301	99.03
2882-664	12X4	1	4	301	137.55
2882-721	15X2	1	0	301	64.07
2882-723	15X3	1	6	301	99.03
2882-724	15X4	1	4	301	137.55
2882-781	18X2	1	0	301	64.07
2882-783	18X3	1	0	301	99.03
2882-784	18X4	1	4	301	137.55
2882-811	20X2	1	0	301	64.07
2882-813	20X3	1	0	301	99.03
2882-814	20X4	1	0	301	137.55

Mechanical Vent Riser

Saddle x Riser/Vent x Chamber



2883-52842	6X2X4	1	0	301	74.59
2883-57842	8X2X6	1	0	301	80.43
2883-58042	8X3X6	1	0	301	101.37
2883-62142	10X2X8	1	12	301	97.91
2883-62342	10X3X8	1	8	301	116.52
2883-62442	10X4X8	1	12	301	137.55
2883-66142	12X2X10	1	0	301	125.86
2883-66342	12X3X10	1	16	301	143.34
2883-66442	12X4X10	1	12	301	163.16
2883-72442	15X4X12	1	6	301	212.11
2883-78442	18X4X15	1	0	301	273.89
2883-81442	20X4X18	1	0	301	385.81

Vent Base

Saddle x Riser x Outlet



2888-532020	6X4X2	1	2	301	48.39
-------------	-------	---	---	-----	-------

Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Vent Base (continued)

Saddle x Riser x Outlet

2888-585030	8X6X3	1	0	301	149.72
2888-585040	8X6X4	1	4	301	75.74
2888-628060	10X8X6	1	0	301	116.52
2888-670060	12X10X6	1	0	301	123.54
2888-732080	15X12X8	1	0	301	185.30
2888-795080	18X15X8	1	0	301	256.44
2888-828080	20X18X8	1	0	301	463.93

Low Head Wye

Soc x Soc



2875-060	6	1	2	300	81.80
2875-080	8	1	0	300	108.20
2875-100	10	1	0	300	140.76
2875-120	12	1	0	300	196.11
2875-150	15	1	0	300	303.38
2875-183	18	1	0	300	729.50
2875-200	20	1	0	300	978.27

Reducing Low Head Wye

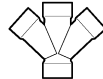
Soc x Soc



2875-532	6X4	1	4	300	63.79
2875-585	8X6	1	0	300	94.37
2875-626	10X6	1	0	300	120.69
2875-628	10X8	1	0	300	127.31
2875-666	12X6	1	0	300	132.64
2875-668	12X8	1	0	300	152.27
2875-670	12X10	1	0	300	162.66
2875-726	15X6	1	0	300	178.80
2875-728	15X8	1	0	300	193.79
2875-730	15X10	1	0	300	212.24
2875-732	15X12	1	0	300	233.02
2875-786	18X6	1	0	300	288.41
2875-788	18X8	1	0	300	292.97
2875-790	18X10	1	0	300	320.15
2875-792	18X12	1	0	300	353.09
2875-795	18X15	1	0	300	386.02
2875-816	20X6	1	0	300	360.50
2875-818	20X8	1	0	300	366.20
2875-820	20X10	1	0	300	400.18
2875-822	20X12	1	0	300	441.35
2875-825	20X15	1	0	300	482.54
2875-828	20X18	1	0	300	849.00

Double Wye

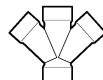
Soc x Soc



2876-060	6	1	0	300	128.47
2876-080	8	1	0	300	146.35
2876-100	10	1	0	300	245.06
2876-120	12	1	0	300	292.69
2876-150	15	1	0	300	452.81
2876-183	18	1	0	300	1227.76
2876-200	20	1	0	300	1745.38

Reducing Double Wye

Soc x Soc



2876-585	8X6	1	0	300	103.32
2876-626	10X6	1	0	300	146.35
2876-628	10X8	1	0	300	161.86
2876-666	12X6	1	0	300	197.97
2876-668	12X8	1	0	300	227.27

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Double Wye (continued)

Soc x Soc

2876-670	12X10	1	0	300	271.71
2876-726	15X6	1	0	300	266.86
2876-728	15X8	1	0	300	289.23
2876-730	15X10	1	0	300	316.80
2876-732	15X12	1	0	300	429.53
2876-786	18X6	1	0	300	430.48
2876-788	18X8	1	0	300	437.27
2876-790	18X10	1	0	300	477.83
2876-792	18X12	1	0	300	527.00
2876-795	18X15	1	0	300	576.16
2876-816	20X6	1	0	300	594.57
2876-818	20X8	1	0	300	610.07
2876-820	20X10	1	0	300	624.50
2876-822	20X12	1	0	300	658.73
2876-825	20X15	1	0	300	720.20
2876-828	20X18	1	0	300	1331.91

End Cap

Soc



280-107539	4 IPS	1	10	300	10.49
280-107540	6	1	10	300	11.65
280-107541	8	10	0	300	19.79
280-107542	10	1	10	300	31.49
280-107543	12	1	10	300	48.94
280-107545	15	1	5	300	68.77
280-107547	18	1	5	300	125.86
280-107548	20	1	5	300	169.00

Surface Reducer

Soc



280-102013	6X2	1	10	300	18.63
280-102015	6X3	1	10	300	18.63
280-102016	6X4	1	10	300	18.63
280-102018	8X2	1	10	300	25.60
280-102020	8X3	1	10	300	25.60
280-102021	8X4	1	10	300	25.60
280-102022	8X6	1	10	300	25.60
280-102024	10X2	1	10	300	51.24
280-102026	10X3	1	10	300	51.24
280-102027	10X4	1	10	300	51.24
280-102028	10X6	1	10	300	51.24
280-102029	10X8	1	10	300	51.24
280-102031	12X2	1	10	300	62.93
280-102033	12X3	1	10	300	62.93
280-102034	12X4	1	10	300	62.93
280-102035	12X6	1	10	300	62.93
280-102036	12X8	1	10	300	62.93
280-102037	12X10	1	10	300	62.93
280-102048	15X2	1	5	300	88.54
280-102050	15X3	1	5	300	88.54
280-102051	15X4	1	5	300	88.54
280-102052	15X6	1	5	300	88.54
280-102053	15X8	1	5	300	88.54
280-102054	15X10	1	5	300	88.54
280-102055	15X12	1	5	300	88.54
280-102067	18X2	1	5	300	132.86
280-102069	18X3	1	4	300	132.86
280-102070	18X4	1	5	300	132.86
280-102071	18X6	1	5	300	132.86
280-102072	18X8	1	5	300	132.86
280-102073	18X10	1	5	300	132.86
280-102074	18X12	1	5	300	132.86
280-102075	18X15	1	5	300	132.86



Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Surface Reducer (continued)

Soc

280-102077	20X2	1	0	300	176.00
280-102136	20X3	1	0	300	176.00
280-102137	20X4	1	5	300	176.00
280-102138	20X6	1	5	300	176.00
280-102139	20X8	1	5	300	176.00
280-102140	20X10	1	5	300	176.00
280-102141	20X12	1	5	300	176.00
280-102142	20X15	1	5	300	176.00
280-102143	20X18	1	5	300	176.00

Saddle

Soc



280-101788	4X2	1	40	300	18.63
280-101789	6X2	1	10	300	18.63
280-101790	8X2	1	10	300	18.63
280-101791	10X2	1	10	300	18.63
280-101792	12X2	1	10	300	18.63
280-101793	15X2	1	10	300	18.63
280-101794	18X2	1	20	300	18.63
280-101795	20X2	1	10	300	19.79
280-101796	4X3	1	5	300	19.79
280-101797	6X3	1	10	300	19.79
280-101798	8X3	1	10	300	19.79
280-101799	10X3	1	10	300	19.79
280-101800	12X3	1	10	300	19.79
280-101801	15X3	1	10	300	19.79
280-101802	18X3	1	20	300	19.79
280-101803	20X3	1	10	300	29.37
280-101804	6X4	1	10	300	22.15
280-101805	8X4	1	10	300	22.15
280-101806	10X4	1	10	300	22.15
280-101807	12X4	1	10	300	22.15
280-101808	15X4	1	10	300	22.15
280-101809	18X4	1	10	300	22.15
280-101810	20X4	1	8	300	22.15
280-101811	8X6	1	8	300	27.97
280-101812	10X6	1	8	300	27.97
280-101813	12X6	1	8	300	27.97
280-101814	15X6	1	8	300	27.97
280-101815	18X6	1	10	300	27.97
280-101816	20X6	1	7	300	31.49
280-101817	10X8	1	8	300	32.63
280-101818	12X8	1	8	300	32.63
280-101819	15X8	1	8	300	32.63
280-101820	18X8	1	8	300	36.11
280-101821	20X8	1	8	300	51.24
280-101822	12X10	1	10	300	39.64
280-101823	15X10	1	10	300	45.43
280-101824	18X10	1	10	300	46.60
280-101825	20X10	1	7	300	86.21
280-101826	15X12	1	5	300	60.60
280-101827	18X12	1	3	300	78.05
280-101828	20X12	1	0	300	94.37
280-101829	18X15	1	0	300	101.37
280-101830	20X15	1	0	300	129.35
280-101831	20X18	1	0	300	143.34

Stub Saddle

Soc



280-101883	4X2	1	10	300	23.23
280-101884	6X2	1	10	300	23.23
280-101885	8X2	1	10	300	23.23
280-101886	10X2	1	10	300	23.23

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Stub Saddle (continued)

Soc

280-101887	12X2	1	10	300	24.46
280-101888	15X2	1	10	300	26.81
280-101889	18X2	1	10	300	26.81
280-101890	20X2	1	10	300	30.29
280-101891	4X3	1	10	300	27.97
280-101892	6X3	1	5	300	27.97
280-101893	8X3	1	5	300	27.97
280-101894	10X3	1	5	300	27.97
280-101895	12X3	1	5	300	30.29
280-101896	15X3	1	5	300	30.29
280-101897	18X3	1	10	300	30.29
280-101898	20X3	1	5	300	32.63
280-101899	6X4	1	10	300	32.63
280-101900	8X4	1	10	300	32.63
280-101901	10X4	1	10	300	32.63
280-101902	12X4	1	10	300	32.63
280-101903	15X4	1	10	300	32.63
280-101904	18X4	1	10	300	34.29
280-101905	20X4	1	10	300	34.95
280-101906	8X6	1	6	300	38.44
280-101907	10X6	1	8	300	38.44
280-101908	12X6	1	6	300	38.44
280-101909	15X6	1	8	300	40.77
280-101910	18X6	1	10	300	40.77
280-101911	20X6	1	7	300	46.60
280-101912	10X8	1	4	300	51.24
280-101913	12X8	1	3	300	51.24
280-101914	15X8	1	5	300	54.73
280-101915	18X8	1	5	300	58.26
280-101916	20X8	1	0	300	73.41
280-101917	12X10	1	3	300	67.59
280-101918	15X10	1	5	300	71.10
280-101919	18X10	1	4	300	72.29
280-101920	20X10	1	0	300	111.84
280-101921	15X12	1	0	300	101.37
280-101922	18X12	1	0	300	117.71
280-101923	20X12	1	0	300	134.04
280-101924	18X15	1	0	300	158.51
280-101925	20X15	1	0	300	187.63
280-101926	20X18	1	0	300	228.43

Same Size Saddle

Soc



280-101937	6X6	1	10	300	32.02
280-101938	8X8	1	5	300	46.60
280-101939	10X10	1	5	300	64.06
280-101940	12X12	1	4	300	93.23
280-101941	15X15	1	0	300	139.82
280-101942	18X18	1	0	300	238.94
280-101943	20X20	1	0	300	326.35

Same Size Stub Saddle

Soc

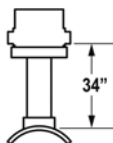


280-101949	6X6	1	5	300	55.91
280-101950	8X8	1	4	300	89.50
280-101951	10X10	1	0	300	109.52
280-101952	12X12	1	0	300	124.68
280-101953	15X15	1	0	300	186.50
280-101954	18X18	1	0	300	324.03
280-101955	20X20	1	0	300	378.78

Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories



Size	Disc Code	Part Number List Price Each
DISTRIBUTING GATE RISER (Saddle x Riser x Pot)		
GATES NOT INCLUDED IN PRICE (See CHART #1 on Next Page)		
6x4x8	301	2884-53234 97.93 ---
8x4x8	301	2884-58234 97.93 ---
8x6x10	301	2884-58534 125.86 ---
10x4x8	301	2884-62434 97.93 ---
10x6x10	301	2884-62634 125.86 ---
10x8x12	301	2884-62834 186.50 ---
12x4x8	301	2884-66434 97.93 ---
12x6x10	301	2884-66634 125.86 ---
12x8x12	301	2884-66834 186.50 ---
12x10x15	301	2884-67034 266.34 ---
15x4x8	301	2884-72334 97.93 ---
15x6x10	301	2884-72634 125.86 ---
15x8x12	301	2884-72834 186.50 ---
15x10x15	301	2884-73034 266.95 ---
15x12x18	301	2884-73234 484.88 ---
18x4x8	301	2884-78434 97.93 ---
18x6x10	301	2884-78634 125.86 ---
18x8x12	301	2884-78834 186.50 ---
18x10x15	301	2884-79034 266.34 ---
18x12x18	301	2884-79234 484.88 ---
20x4x8	301	2884-81434 97.93 ---
20x6x10	301	2884-81634 125.86 ---
20x8x12	301	2884-81834 186.52 ---
20x10x15	301	2884-82034 266.34 ---
20x12x18	301	2884-82234 484.88 ---



HOW TO ORDER A DISTRIBUTING GATE RISER

Choose the Distributing Gate Riser size required:

Example: 6 x 4 x 8

(6" Saddle x 4" Riser x 8" Pot)

Part Number 2884-53234 ---

Next, choose the Gate size required from CHART #1:

Example: 2-1/2" Gates

(Code Number "2")

Next, add this Code Number to the end of the Part Number:

Example: 2884-53234 2---

Next, choose the position required for the gates from CHART #2:

Example: Standard 2-Way Gates

(Code Number "05")

Next, add this Code Number to the very end of the Part Number:

Example: 2884-532342 05

The Part Number is now complete for a

6" Saddle x 4" Riser x 8" Pot

with 2-1/2" Standard 2-Way Gates -

2884-53234205

HOW TO CALCULATE A DISTRIBUTING GATE RISER TOTAL LIST PRICE EACH WITH GATES INSTALLED

Find the base unit List Price Each at left:

Example: \$97.93

Next, find the List Price Each for the size of Gate required from CHART #1:

Example: 2-1/2" Gate - \$15.12 each

Next, multiply the Gate price by the number of Gates required:

Example: \$15.12 x 2 = \$30.24

Next, add this amount to the base unit price, for the Total List Price Each:

Example: \$97.93 + \$30.24 = \$128.17

The Total List Price Each for a
6" Saddle x 4" Riser x 8" Pot with 2-1/2"
Standard 2-Way Gates installed is

\$128.17



Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories

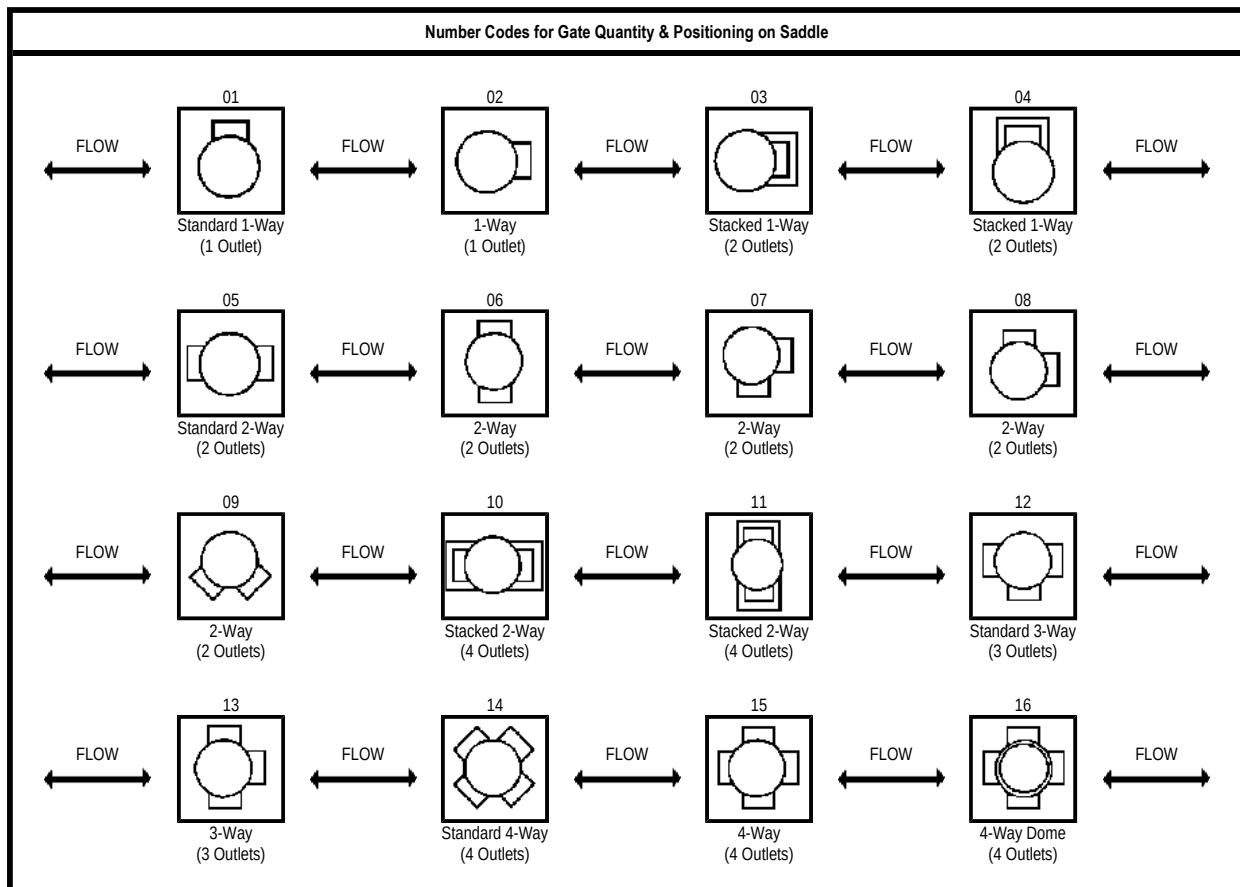
CHART #1

Gate/Hole Size	Distributing Gate Size Code	Disc Code	List Price Each Installed
2" Gate	1	301	12.82
2- 1/2" Gate	2	301	15.12
3" Gate	3	301	17.46
4" Gate	4	301	25.63
2" Hole*	5	301	—
2- 1/2" Hole*	6	301	—
3" Hole*	7	301	—
4" Hole*	8	301	—

* Hole Size Codes **MUST** be chosen **ONLY** when ordering with **NO GATES INSTALLED**.

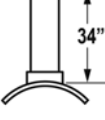
Number code for Gate Hole positioning must also be chosen from CHART #2 below.

CHART #2



Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories



Part Number Size		Disc Code	List Price Each			
RITE FLO RISER (Saddle x Riser)						
GATES NOT INCLUDED IN PRICE (See CHART #3 on Next Page)			1 Outlet	2 Outlets	3 Outlets	4 Outlets
	2885-58534 8x6 ---	301	118.39	122.10	124.59	126.74
	2885-62634 10x6 ---	301	118.39	122.10	124.59	126.74
	2885-66634 12x6 ---	301	118.39	122.10	124.59	126.74
	2885-72634 15x6 ---	301	118.39	122.10	124.59	126.74
	2885-78634 18x6 ---	301	118.39	122.10	124.59	126.74
	2885-81634 20x6 ---	301	118.39	122.10	124.59	126.74

HOW TO ORDER A RITE FLO RISER

Choose the Rite Flo Riser size required:

Example: 8 x 6 Riser
(8" Saddle x 6" Riser)
Part Number 2885-58534 _ _ _

Next, choose the Gate size required from CHART #3:

Example: 3" Gates
(Code Number "3")

Next, add this Code Number to the end of the Part Number:

Example: 2885-58534 3 _ _

Next, choose the position required for the gates from CHART #4:

Example: Standard 2-Way (2 Outlets)
(Code Number "05")

Next, add this Code Number to the very end of the Part Number:

Example: 2885-585343 05

The Part Number is now complete for an 8" Saddle x 6" Standard 2-Way Riser
with 3" Gates –

2885-58534305

HOW TO CALCULATE A RITE FLO RISER TOTAL LIST PRICE EACH WITH GATES INSTALLED

Find the base unit List Price Each at left:

Example: \$126.74

Next, find the List Price Each for the 3" Gate required from CHART #3:

Example: 3" Gate – \$44.84 each

Next, multiply the Gate price by the number of Gates required:

Example: \$44.84 x 4 = \$179.36

Next, add this amount to the base unit price, for the Total List Price Each:

Example: \$126.74 + \$179.36 = \$306.10

The Total List Price Each for a
8" Saddle x 6" 4-Way Dome Riser
with 3" Gates installed is

\$306.10



Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories

CHART #3

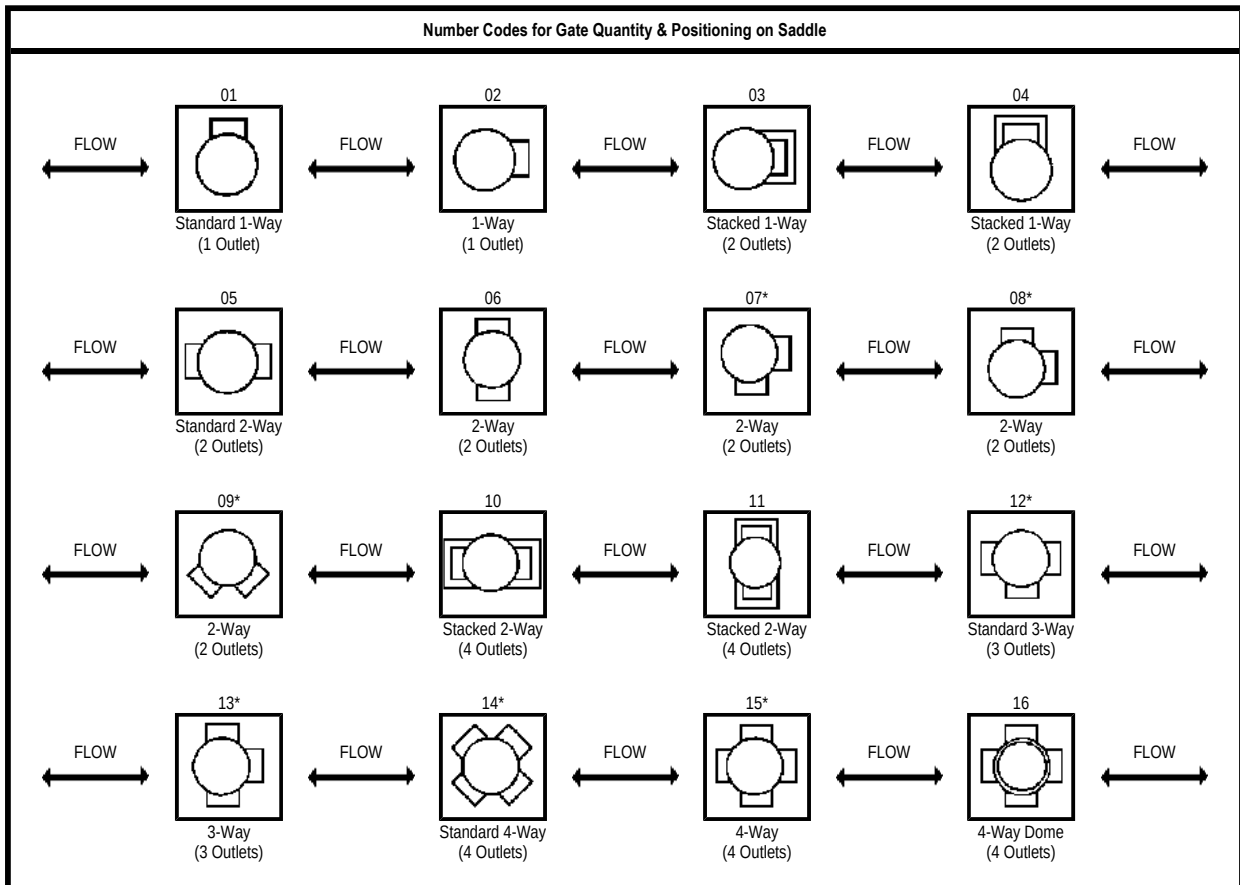
Gate/Hole Size	Gate Size Code	Disc Code	Rite Flo List Price Each Installed
3" Gate	3	301	44.84
2" Hole*	5	301	—
3" Hole*	7	301	—

* Hole Size Codes MUST be chosen ONLY when ordering with NO GATES INSTALLED.

Number code for Gate Hole positioning must also be chosen from CHART #4 below.

NOTE: 3" Rite Flo Gates can be installed on 6" Risers ONLY.

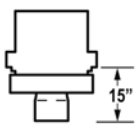
CHART #4



*Staggered gates are provided for Rite Flo Risers to allow adequate room for gates to operate properly.

Fabricated Fittings PVC Low Head PIP Fabricated Fittings, Risers & Accessories



Size	Disc Code	Part Number	List Price	Each
DISTRIBUTING GATE REPAIR UNIT (Riser x Pot)				
GATES NOT INCLUDED IN PRICE (See CHART #5 on Next Page)				
	4x8	28840-42715	81.60	---
	6x10	28840-53715	109.56	---
	8x12	28840-59115	157.33	---
	10x15	28840-63515	207.97	---
	12x18	28840-67815	392.83	---

HOW TO ORDER DISTRIBUTING GATE AND RITE FLO RISER REPAIR UNITS

Choose the Repair Unit size required:

Example: 4 x 8 Distributing Gate Repair Unit
(4" Riser x 8" Pot)
Part Number 28840-42715 ---

Next, choose the Gate size required from CHART #5:

Example: 2" Gate
(Code Number "1")

Next, add this Code Number to the end of the

Part Number:
Example: 28840-42715 1---

Next, choose the position required for the gates from CHART #6:

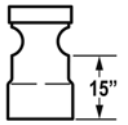
Example: 4-Way
(Code Number "14")

Next, add this Code Number to the very end of the Part Number:

Example: 28840-427151 14

The Part Number is now complete for a
4" Riser x 8" Pot Distributing Gate Riser Repair Unit with 2" 4-Way Gates -

28840-42715114

Part Number Size		Disc Code	List Price Each				
RITE FLO RISER REPAIR UNIT							
GATES NOT INCLUDED IN PRICE (See CHART #5 on Next Page)			1 Outlet	2 Outlets	3 Outlets	4 Outlets	
	28850-06015	---	301	59.80	64.77	69.72	74.74
	6"						

HOW TO CALCULATE DISTRIBUTING GATE AND RITE FLO RISER REPAIR UNITS TOTAL LIST PRICE EACH WITH GATES INSTALLED

Find the base unit List Price Each above:

Example: \$81.60

Next, find the List Price Each for the size of Gate required from CHART #5:

Example: 2" Gate - \$12.82 each

Next, multiply the Gate price by the number of Gates required:

Example: \$12.82 x 4 = \$51.28

Next, add this amount to the base unit price, for the Total List Price Each:

Example: \$81.60 + \$51.28 = \$132.88

The Total List Price Each for a
4" Riser x 8" Pot Distributing Gate Riser Repair Unit
with 2" 4-Way Gates installed is

\$132.88



**Fabricated Fittings
PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

CHART #5

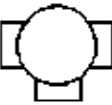
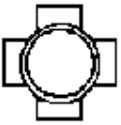
Gate/Hole Size	Gate Size Code	Disc Code	Distributing Gate List Price Each Installed	Rite Flo Gate List Price Each Installed
2" Gate	1	301	12.82	—
2- 1/2" Gate	2	301	15.12	—
3" Gate	3	301	17.46	44.84
4" Gate	4	301	25.63	—
2" Hole*	5	301	—	—
2- 1/2" Hole*	6	301	—	—
3" Hole*	7	301	—	—
4" Hole*	8	301	—	—

* Hole Size Codes **MUST** be chosen **ONLY** when ordering with **NO GATES INSTALLED**.

Number code for Gate Hole positioning must also be chosen from **CHART #6** below.

NOTE: 3" Rite Flo Gates can be installed on 6" Risers **ONLY**.

CHART #6

Repair Unit Number Codes for Gate Quantity & Positioning			
02  1-Way (1 Outlet)	04  Stacked 1-Way (2 Outlets)	06  2-Way (2 Outlets)	08*  2-Way (2 Outlets)
10  Stacked 2-Way (4 Outlets)	12*  3-Way (3 Outlets)	14*  4-Way (4 Outlets)	16  4-Way Dome (4 Outlets)

*Staggered gates are provided for Rite Flo Riser Repair Units to allow adequate room for gate to operate properly.

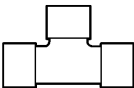
All Low Head PIP Fabricated Fittings showing size outlets of 4" and under are IPS size on that outlet

Fabricated Fittings **PVC 80, 100 & 125 PSI PIP Fabricated Fittings**



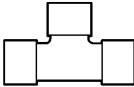
Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

Tee (Socket)

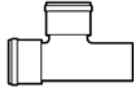
	6	290-102502 85.07	300-102502 101.79	3301-060P 102.34
	6X2	290-102499 59.45	300-102499 68.77	3301-528P 77.18
	6X3	290-102500 64.06	300-102500 73.41	3301-530P 83.05
	6X4	290-102501 66.43	300-102501 76.89	3301-532P 86.16
	8	290-102507 146.71	300-102507 150.33	3301-080P 205.17
	8X2	290-102503 73.41	300-102503 85.07	3301-578P 116.38
	8X3	290-102504 81.56	300-102504 92.03	3301-580P 126.83
	8X4	290-102505 92.03	300-102505 100.26	3301-582P 137.20
	8X6	290-102506 109.52	300-102506 123.54	3301-585P 169.99
	10	290-102513 212.11	300-102513 241.30	3301-100P 306.26
	10X2	290-102508 107.21	300-102508 117.71	3301-621P 161.80
	10X3	290-102509 117.71	300-102509 150.33	3301-623P 205.89
	10X4	290-102510 136.37	300-102510 153.83	3301-624P 212.12
	10X6	290-102511 150.33	300-102511 157.34	3301-626P 232.72
	10X8	290-102512 173.68	300-102512 209.81	3301-628P 288.62
	12	290-102520 300.71	300-102520 384.60	3301-120P 481.52
	12X2	290-102514 142.17	300-102514 170.11	3301-661P 253.61
	12X3	290-102515 167.86	300-102515 203.95	3301-663P 280.32
	12X4	290-102516 189.97	300-102516 226.11	3301-664P 309.54
	12X6	290-102517 200.44	300-102517 245.90	3301-666P 338.80
	12X8	290-102518 236.60	300-102518 290.21	3301-668P 401.07
	12X10	290-102519 272.73	300-102519 334.50	3301-670P 444.99
	15	290-102528 562.95	300-102528 662.05	3301-150P 860.21
	15X2	290-102521 262.26	300-102521 306.52	3301-721P 384.60
	15X3	290-102522 276.24	300-102522 322.86	3301-723P 409.16
	15X4	290-102523 284.39	300-102523 336.85	3301-724P 423.09
	15X6	290-102524 308.84	300-102524 370.63	3301-726P 479.05
	15X8	290-102525 356.64	300-102525 414.94	3301-728P 551.34
	15X10	290-102526 404.44	300-102526 490.72	3301-730P 623.57
	15X12	290-102527 462.69	300-102527 551.34	3301-732P 719.79
	18	290-102537 871.85	300-102537 1016.37	3301-180P 1447.70
	18X2	290-102529 455.55	300-102529 497.66	3301-781P 607.27
	18X3	290-102530 469.73	300-102530 510.49	3301-783P 679.51
	18X4	290-102531 519.83	300-102531 561.82	3301-784P 723.82
	18X6	290-102532 534.98	300-102532 581.61	3301-786P 741.31
	18X8	290-102533 557.15	300-102533 606.09	3301-788P 827.55
	18X10	290-102534 588.61	300-102534 651.56	3301-790P 904.48

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

Tee (Socket) (continued)

	18X12	290-102535 651.56	300-102535 773.96	3301-792P 1016.37
	18X15	290-102536 755.30	300-102536 935.96	3301-795P 1183.11
	21	290-102558 1608.52	300-102558 1892.93	3301-210P 2157.52
	21X2	290-102548 660.44	300-102548 829.88	3301-841P 944.12
	21X3	290-102549 676.54	300-102549 835.70	3301-843P 960.47
	21X4	290-102550 699.33	300-102550 845.04	3301-844P 1002.41
	21X6	290-102551 741.31	300-102551 1024.53	3301-846P 1149.29
	21X8	290-102552 791.41	300-102552 1054.84	3301-848P 1197.05
	21X10	290-102553 843.86	300-102553 1094.47	3301-850P 1253.02
	21X12	290-102554 924.32	300-102554 1104.98	3301-852P 1558.40
	21X15	290-102555 1018.72	300-102555 1266.98	3301-855P 1781.03
	21X18	290-102556 1188.87	300-102556 1447.70	3301-858P 2031.67
	24	290-102570 2196.02	300-102570 2532.84	3301-240P 2588.83
	24X2	290-102559 871.85	300-102559 1030.37	3301-901P 1113.11
	24X3	290-102560 927.78	300-102560 1086.33	3301-903P 1169.07
	24X4	290-102561 980.27	300-102561 1169.07	3301-904P 1253.02
	24X6	290-102562 1032.73	300-102562 1253.02	3301-906P 1335.78
	24X8	290-102563 1100.32	300-102563 1335.78	3301-908P 1447.70
	24X10	290-102564 1132.94	300-102564 1447.70	3301-910P 1558.40
	24X12	290-102565 1225.05	300-102565 1558.40	3301-912P 1670.29
	24X15	290-102566 1345.06	300-102566 1698.29	3301-915P 1837.01
	24X18	290-102567 1531.60	300-102567 1920.90	3301-918P 2087.60
	24X21	290-102569 1722.72	300-102569 2058.40	3301-921P 2476.90
	27	2901-270 3326.81	3001-270 3941.39	3301-270P 4876.79
	27X4	2901-934 1186.14	3001-934 1489.27	3301-934P 1860.13
	27X6	2901-936 1251.55	3001-936 1603.40	3301-936P 2004.07
	27X8	2901-938 1332.24	3001-938 1716.30	3301-938P 2146.71
	27X10	2901-940 1349.89	3001-940 1835.18	3301-940P 2295.26
	27X12	2901-942 1483.59	3001-942 1982.66	3301-942P 2478.27
	27X15	2901-945 1628.41	3001-945 2182.34	3301-945P 2729.00
	27X18	2901-948 1855.27	3001-948 2474.62	3301-948P 3092.68
	27X21	2901-951 2087.30	3001-951 2632.73	3301-951P 3290.14
	27X24	2901-954 2661.28	3001-954 3250.83	3301-954P 4062.60

Tee (Gasket x Spigot x Gasket)

	6	290-103062 174.82	300-103062 180.64	3301-060232P 192.74
	6X4	290-103061 151.50	300-103061 169.00	3301-532232P 182.11
	8	290-103067 221.47	300-103067 241.30	3301-080232P 289.83



Fabricated Fittings
PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Tee (Gasket x Spigot x Gasket) (continued)

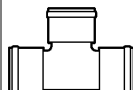
	8X4	290-103065 186.50	300-103065 205.11	3301-582232P 217.55
	8X6	290-103066 209.81	300-103066 216.80	3301-585232P 253.67
	10	290-103073 331.03	300-103073 367.17	3301-100232P 434.99
	10X4	290-103070 289.06	300-103070 300.71	3301-624232P 314.49
	10X6	290-103071 294.86	300-103071 313.52	3301-626232P 349.69
	10X8	290-103072 325.18	300-103072 336.85	3301-628232P 380.11
	12	290-103080 456.89	300-103080 498.87	3301-120232P 603.18
	12X4	290-103076 336.85	300-103076 378.78	3301-664232P 422.02
	12X6	290-103077 346.16	300-103077 391.60	3301-666232P 452.80
	12X8	290-103078 400.95	300-103078 403.29	3301-668232P 482.73
	12X10	290-103079 412.62	300-103079 445.23	3301-670232P 542.97
	15	290-103088 729.65	300-103088 902.17	3301-150232P 1081.63
	15X4	290-103083 540.83	300-103083 571.10	3301-724232P 751.79
	15X6	290-103084 547.56	300-103084 662.05	3301-726232P 799.56
	15X8	290-103085 576.94	300-103085 673.71	3301-728232P 829.88
	15X10	290-103086 621.22	300-103086 691.21	3301-730232P 871.85
	15X12	290-103087 662.05	300-103087 751.79	3301-732232P 927.46
	18	290-103097 1163.24	300-103097 1352.07	3301-180232P 1742.56
	18X4	290-103091 701.67	300-103091 782.10	3301-784232P 961.59
	18X6	290-103092 751.79	300-103092 841.53	3301-786232P 1052.52
	18X8	290-103093 768.12	300-103093 949.97	3301-788232P 1142.28
	18X10	290-103094 854.38	300-103094 991.91	3301-790232P 1232.03
	18X12	290-103095 926.63	300-103095 1052.52	3301-792232P 1292.67
	18X15	290-103096 968.59	300-103096 1111.96	3301-795232P 1382.38
	21	2901-210232 1831.15	3001-210232 2253.15	3301-210232P 2751.97
	21X4	290-103110 1088.68	300-103110 1322.97	3301-844232P 1592.21
	21X6	290-103111 1100.32	300-103111 1352.07	3301-846232P 1622.50
	21X8	290-103112 1158.59	300-103112 1424.36	3301-848232P 1700.59
	21X10	290-103113 1194.72	300-103113 1442.99	3301-850232P 1755.35
	21X12	290-103114 1311.32	300-103114 1532.76	3301-852232P 1923.24
	21X15	290-103115 1419.71	300-103115 1592.21	3301-855232P 2073.57
	21X18	290-103116 1606.19	300-103116 1923.24	3301-858232P 2344.03
	24	2901-240232 4106.82	3001-240232 4350.38	3301-240232P 5931.06
	24X6	2901-906232 2920.44	3001-906232 3309.15	3301-906232P 4136.48
	24X8	2901-908232 3073.54	3001-908232 3431.50	3301-908232P 4350.24
	24X10	2901-910232 3230.73	3001-910232 3493.43	3301-910232P 4635.49
	24X12	2901-912232 3405.06	3001-912232 3584.90	3301-912232P 4841.15

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Tee (Gasket x Spigot x Gasket) (continued)

	24X15	2901-915232 3583.52	3001-915232 3738.26	3301-915232P 5086.01
	24X18	2901-918232 3769.05	3001-918232 3921.24	3301-918232P 5330.95
	24X21	2901-921232 3968.76	3001-921232 4167.28	3301-921232P 5637.49
	27	2901-270232 6177.95	3001-270232 6892.78	3301-270232P 8731.54
	27X6	2901-936232 3650.16	3001-936232 4136.36	3301-936232P 5208.48
	27X8	2901-938232 3841.47	3001-938232 4350.32	3301-938232P 5453.27
	27X10	2901-940232 4038.95	3001-940232 4595.22	3301-940232P 5698.17
	27X12	2901-942232 4257.59	3001-942232 4841.19	3301-942232P 5973.87
	27X15	2901-945232 4480.97	3001-945232 5086.01	3301-945232P 6189.00
	27X18	2901-948232 4712.84	3001-948232 5361.72	3301-948232P 6678.74
	27X21	2901-951232 4961.28	3001-951232 5637.61	3301-951232P 7046.03
	27X24	2901-954232 5222.72	3001-954232 5882.48	3301-954232P 7444.30

Tee (Gasketed)

	6	290-103174 174.82	300-103174 180.64	3301-0602P 192.74
	6X4	290-103173 151.50	300-103173 169.00	3301-5322P 182.11
	8	290-103179 221.47	300-103179 241.30	3301-0802P 289.83
	8X4	290-103177 186.50	300-103177 205.11	3301-5822P 217.55
	8X6	290-103178 209.81	300-103178 216.80	3301-5852P 253.67
	10	290-103185 331.03	300-103185 367.17	3301-1002P 434.99
	10X4	290-103182 289.06	300-103182 300.71	3301-6242P 314.49
	10X6	290-103183 294.86	300-103183 313.52	3301-6262P 349.69
	10X8	290-103184 325.18	300-103184 336.85	3301-6282P 380.11
	12	290-103192 456.89	300-103192 498.87	3301-1202P 603.18
	12X4	290-103188 336.85	300-103188 378.78	3301-6642P 422.02
	12X6	290-103189 346.16	300-103189 391.60	3301-6662P 452.79
	12X8	290-103190 400.95	300-103190 403.29	3301-6682P 482.73
	12X10	290-103191 412.62	300-103191 445.23	3301-6702P 542.97
	15	290-103200 729.65	300-103200 902.17	3301-1502P 1081.63
	15X4	290-103195 540.83	300-103195 571.10	3301-7242P 751.79
	15X6	290-103196 547.56	300-103196 662.05	3301-7262P 799.56
	15X8	290-103197 576.94	300-103197 673.71	3301-7282P 829.88
	15X10	290-103198 621.22	300-103198 691.21	3301-7302P 871.85
	15X12	290-103199 662.05	300-103199 751.79	3301-7322P 931.31
	18	290-103209 1163.24	300-103209 1352.07	3301-1802P 1742.56
	18X4	290-103203 701.67	300-103203 782.10	3301-7842P 961.59
	18X6	290-103204 751.79	300-103204 841.53	3301-7862P 1052.52
	18X8	290-103205 768.12	300-103205 949.97	3301-7882P 1142.28

Fabricated Fittings
PVC 80, 100 & 125 PSI PIP Fabricated Fittings



	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Tee (Gasketed) (continued)

	18X10	290-103206 854.38	300-103206 991.91	3301-7902P 1232.03
		290-103207 926.63	300-103207 1052.52	3301-7922P 1292.67
	18X12	290-103208 968.59	300-103208 1111.96	3301-7952P 1382.38
		290-103230 1831.15	300-103230 2253.15	3301-2102P 2751.97
	21X4	290-103222 1088.68	300-103222 1322.97	3301-8442P 1592.21
		290-103223 1100.32	300-103223 1352.07	3301-8462P 1622.50
	21X6	290-103224 1158.59	300-103224 1424.36	3301-8482P 1700.59
		290-103225 1194.72	300-103225 1442.99	3301-8502P 1755.35
	21X10	290-103226 1311.32	300-103226 1532.76	3301-8522P 1923.24
		290-103227 1419.71	300-103227 1592.21	3301-8552P 2073.57
	21X15	290-103228 1606.19	300-103228 1923.24	3301-8582P 2344.03
		2901-2402 4106.82	3001-2402 4350.38	3301-2402P 5931.06
	24	2901-9062 2920.44	3001-9062 3309.15	3301-9062P 4136.48
		2901-9082 3073.54	3001-9082 3431.50	3301-9082P 4350.24
	24X6	2901-9102 3230.73	3001-9102 3493.43	3301-9102P 4635.49
		2901-9122 3405.06	3001-9122 3584.90	3301-9122P 4841.15
	24X8	2901-9152 3583.52	3001-9152 3738.26	3301-9152P 5086.01
		2901-9182 3769.05	3001-9182 3921.24	3301-9182P 5330.95
	24X10	2901-9182 3769.05	3001-9182 3921.24	3301-9182P 5330.95
		2901-9212 3968.76	3001-9212 4167.28	3301-9212P 5637.49
	27	2901-2702 6177.95	3001-2702 6892.78	3301-2702P 8731.54
		2901-9362 3650.16	3001-9362 4136.36	3301-9362P 5208.48
	27X6	2901-9382 3841.47	3001-9382 4350.32	3301-9382P 5453.27
		2901-9402 4038.95	3001-9402 4595.22	3301-9402P 5698.17
	27X8	2901-9422 4257.59	3001-9422 4841.19	3301-9422P 5973.87
		2901-9452 4480.97	3001-9452 5086.01	3301-9452P 6189.00
	27X10	2901-9482 4712.84	3001-9482 5361.72	3301-9482P 6678.74
		2901-9512 4961.28	3001-9512 5637.61	3301-9512P 7046.03
	27X12	2901-9542 5222.72	3001-9542 5882.48	3301-9542P 7444.30

Reinforced Tee (Soc x Soc x Fipt)

	6X2	---	300-202152 71.51	3302-528P 108.81
		---	300-202154 78.05	3302-530P 124.68
	6X3	---	300-202155 87.40	3302-532P 128.20
		---	300-202157 108.39	3302-578P 176.11
	6X4	---	300-202159 114.19	3302-580P 188.05
		---	300-202160 123.54	3302-582P 159.46
	8X2	---	300-202162 148.04	3302-621P 198.81
		---	300-202164 181.80	3302-623P 246.26
	8X3	---		
	8X4	---		

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Reinforced Tee (Soc x Soc x Fipt) (continued)

	10X4	---	300-202165 194.65	3302-624P 242.32
		---	300-202167 226.11	3302-661P 244.70
	12X2	---	300-202169 250.56	3302-663P 268.99
		---	300-202170 286.71	3302-664P 314.82
	12X3	---	300-202172 372.67	3302-721P 431.23
		---	300-202174 396.43	3302-723P 454.57
	12X4	---	300-202175 425.13	3302-724P 466.26

Reinforced Tee (Soc x Spig x Fipt)

	6X2	---	300-202222 59.45	---
		---	300-202224 69.93	---
	6X3	---	300-202225 81.56	---
		---	300-202227 95.56	---
	6X4	---	300-202229 104.89	---
		---	300-202230 114.19	---
	8X2	---	300-202232 142.13	---
		---	300-202234 173.68	---
	8X3	---	300-202235 184.15	---
		---	300-202237 212.11	---
	8X4	---	300-202239 242.41	---
		---	300-202240 276.24	---
	10X2	---	300-202242 370.63	3302-72113P 419.61
		---	300-202244 392.79	3302-72313P 448.76
	10X3	---	300-202245 418.41	3302-72413P 460.38

	10X4	---		
	12X2	---		

	12X3	---		

Reinforced Tee (Gasket x Spig x Fipt)

	6X2	---	300-202362 102.54	---
		---	300-202364 132.86	---
	6X3	---	300-202365 138.71	---
		---	300-202367 144.52	---
	6X4	---	300-202369 169.00	---
		---	300-202370 186.50	---
	8X2	---	300-202372 216.80	---
		---	300-202374 228.43	---
	8X3	---	300-202375 237.74	---
		---	300-202377 300.71	---
	8X4	---	300-202379 325.18	---
		---	300-202380 336.85	---
	10X2	---	300-202382 420.77	3302-72123P 512.57
		---	300-202384 445.23	3302-72323P 549.33
	10X3	---		

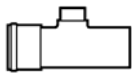
	10X4	---		



Fabricated Fittings PVC 80, 100 & 125 PSI PIP Fabricated Fittings

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Reinforced Tee (Gasket x Spig x Fipt) (continued)

	15X4	---	300-202385 481.37	3302-72423P 598.96
---	------	-----	----------------------	-----------------------

Reinforced Tee (Gasket x Fipt)

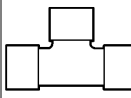
	6X2	---	300-202432 108.39	---
	6X3	---	300-202434 132.86	---
	6X4	---	300-202435 144.52	---
	8X2	---	300-202437 163.16	---
	8X3	---	300-202439 178.33	---
	8X4	---	300-202440 192.30	---
	10X2	---	300-202442 235.41	---
	10X3	---	300-202444 258.73	---
	10X4	---	300-202445 277.37	---
	12X2	---	300-202447 331.03	---
	12X3	---	300-202449 348.48	---
	12X4	---	300-202450 373.00	---
	15X2	---	300-202452 481.37	3302-7212P 588.15
	15X3	---	300-202454 498.87	3302-7232P 639.05
	15X4	---	300-202455 523.36	3302-7242P 672.05

PIP X IPS Tee (Socket)

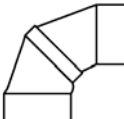
	6	2901-060PXi 79.97	3001-060PXi 101.79	3301-060PXi 102.34
	8	2901-080PXi 146.71	3001-080PXi 204.52	3301-080PXi 205.17
	8X6	2901-585PXi 102.95	3001-585PXi 123.54	3301-585PXi 159.79
	10	2901-100PXi 199.38	3001-100PXi 241.30	3301-100PXi 306.26
	10X6	2901-626PXi 141.31	300-102821 157.34	3301-626PXi 218.76
	10X8	2901-628PXi 163.26	3001-628PXi 322.99	3301-628PXi 271.30
	12	2901-120PXi 300.71	3001-120PXi 384.60	3301-120PXi 452.63
	12X6	2901-666PXi 238.96	300-102599 245.90	3301-666PXi 318.47
	12X8	2901-668PXi 222.40	300-102607 290.21	3301-668PXi 377.01
	12X10	2901-670PXi 272.73	3001-670PXi 334.50	3301-670PXi 418.29
	15X6	2901-726PXi 290.31	300-102708 370.63	3301-726PXi 450.31
	15X8	2901-728PXi 335.24	300-102709 467.53	3301-728PXi 518.26
	15X10	2901-730PXi 380.17	3001-730PXi 490.72	3301-730PXi 586.16
	15X12	2901-732PXi 434.93	300-102817 551.34	3301-732PXi 676.60
	18X6	2901-786PXi 502.88	3001-786PXi 581.61	3301-786PXi 696.83
	18X8	2901-788PXi 523.72	3001-788PXi 606.09	3301-788PXi 777.90
	18X10	2901-790PXi 588.61	3001-790PXi 651.56	3301-790PXi 850.21

	Size	80 PIP Disc Code: 310 Part Number Price Each	100 PIP Disc Code: 320 Part Number Price Each	125 PIP Disc Code: 330 Part Number Price Each
--	------	---	--	--

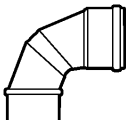
PIP X IPS Tee (Socket) (continued)

	18X12	2901-792PXi 651.56	3001-792PXi 773.96	3301-792PXi 955.39
	21X6	2901-846PXi 741.31	3001-846PXi 1024.18	3301-846PXi 1080.33
	21X8	2901-848PXi 743.93	3001-848PXi 1054.84	3301-848PXi 1125.23
	21X10	2901-850PXi 843.86	3001-850PXi 1094.47	3301-850PXi 1177.84
	21X12	2901-852PXi 868.86	3001-852PXi 1104.98	3301-852PXi 1464.90
	24X6	2901-906PXi 1032.73	3001-906PXi 1253.02	3301-906PXi 1255.63
	24X8	2901-908PXi 1100.32	3001-908PXi 1335.78	3301-908PXi 1360.84
	24X10	2901-910PXi 1132.94	3001-910PXi 1447.70	3301-910PXi 1464.90
	24X12	2901-912PXi 1151.55	3001-912PXi 1558.40	3301-912PXi 1570.07

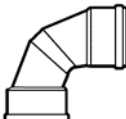
90° Elbow (Socket)

	6	290-100812 115.39	300-100812 135.21	3306-060P 167.63
	8	290-100813 156.18	300-100813 213.32	3306-080P 243.24
	10	290-100814 256.43	300-100814 300.71	3306-100P 335.67
	12	290-100815 329.81	300-100815 421.90	3306-120P 436.69
	15	290-100816 550.16	300-100816 653.90	3306-150P 748.30
	18	290-100817 827.55	300-100817 974.39	3306-180P 1280.97
	21	290-100819 1294.96	300-100819 1570.04	3306-210P 1929.07
	24	290-100820 2894.21	300-100820 3451.37	3306-240P 3635.49
	27	2906-270 3083.16	3006-270 3660.88	3306-270P 4047.28

90° Elbow (Gasket x Spigot)

	6	290-100878 139.82	300-100878 151.50	3306-06023P 222.98
	8	290-100879 221.47	300-100879 242.41	3306-08023P 289.70
	10	290-100880 329.81	300-100880 374.12	3306-10023P 447.49
	12	290-100881 448.76	300-100881 531.50	3306-12023P 643.82
	15	290-100882 860.21	300-100882 1086.33	3306-15023P 1225.05
	18	290-100883 1442.99	300-100883 1670.29	3306-18023P 1698.29
	21	290-100885 2091.09	300-100885 2507.23	3306-21023P 3028.27
	24	2906-24023 3337.52	3006-24023 3792.89	3306-24023P 4742.61
	27	2906-27023 4528.65	3006-27023 5245.46	3306-27023P 6235.45

90° Elbow (Gasketed)

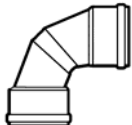
	6	290-100900 139.82	300-100900 151.50	3306-0602P 222.98
	8	290-100901 221.47	300-100901 242.41	3306-0802P 289.70
	10	290-100902 329.81	300-100902 374.12	3306-1002P 447.49
	12	290-100903 448.76	300-100903 531.50	3306-1202P 643.82
	15	290-100904 860.21	300-100904 1086.33	3306-1502P 1225.05
	18	290-100905 1442.99	300-100905 1670.29	3306-1802P 1698.29
	21	290-100907 2091.09	300-100907 2507.23	3306-2102P 3028.27
	24	2906-2402 3337.52	3006-2402 3792.89	3306-2402P 4742.61

Fabricated Fittings
PVC 80, 100 & 125 PSI PIP Fabricated Fittings

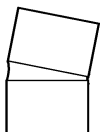


Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

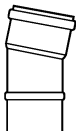
90° Elbow (Gasketed) (continued)

	27	2906-2702 4528.65	3006-2702 5245.46	3306-2702P 6235.45
---	-----------	-----------------------------	-----------------------------	------------------------------

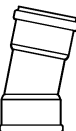
11-1/4° Elbow (Socket)

	6	290-100114 31.49	300-100114 37.27	3311-060P 46.14
	8	290-100115 51.24	300-100115 55.91	3311-080P 68.67
	10	290-100116 92.03	300-100116 106.05	3311-100P 133.02
	12	290-100117 130.50	300-100117 148.04	3311-120P 183.07
	15	290-100118 202.80	300-100118 248.23	3311-150P 322.86
	18	290-100119 348.48	300-100119 412.62	3311-180P 512.86
	21	290-100121 581.61	300-100121 663.19	3311-210P 863.71
	24	290-100122 782.10	300-100122 863.71	3311-240P 932.46
	27	2911-270 980.55	3011-270 1047.29	3311-270P 1362.20

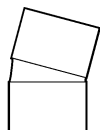
11-1/4° Elbow (Gasket x Spigot)

	6	290-100186 93.23	300-100186 114.19	3311-06023P 132.99
	8	290-100187 151.50	300-100187 169.00	3311-08023P 197.91
	10	290-100188 227.28	300-100188 250.56	3311-10023P 290.39
	12	290-100189 308.84	300-100189 361.32	3311-12023P 419.88
	15	290-100190 544.33	300-100190 596.76	3311-15023P 706.35
	18	290-100191 862.52	300-100191 988.41	3311-18023P 1174.93
	21	290-100193 1273.97	300-100193 1370.76	3311-21023P 1782.19
	24	2911-24023 2108.47	3011-24023 2386.01	3311-24023P 2995.09
	27	2911-27023 2727.97	3011-27023 3085.71	3311-27023P 3729.26

11-1/4° Elbow (Gasketed)

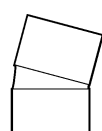
	6	290-100210 93.23	300-100210 114.19	3311-0602P 132.99
	8	290-100211 151.50	300-100211 169.00	3311-0802P 197.91
	10	290-100212 227.28	300-100212 250.56	3311-1002P 290.39
	12	290-100213 308.84	300-100213 361.32	3311-1202P 419.88
	15	290-100214 544.33	300-100214 596.76	3311-1502P 706.35
	18	290-100215 862.52	300-100215 988.41	3311-1802P 1174.93
	21	290-100217 1273.97	300-100217 1370.76	3311-2102P 1782.19
	24	2911-2402 2108.47	3011-2402 2386.01	3311-2402P 2995.09
	27	2911-2702 2727.97	3011-2702 3085.71	3311-2702P 3729.26

15° Elbow (Socket)

	6	290-100234 31.49	300-100234 37.27	3318-060P 46.14
	8	290-100235 51.24	300-100235 55.91	3318-080P 68.67
	10	290-100236 92.03	300-100236 106.05	3318-100P 133.02
	12	290-100237 130.50	300-100237 148.04	3318-120P 183.07

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

15° Elbow (Socket) (continued)

	15	290-100238 202.80	300-100238 248.23	3318-150P 322.86
	18	290-100239 348.48	300-100239 412.62	3318-180P 512.86
	21	290-100241 581.61	300-100241 663.19	3318-210P 863.71
	24	290-100242 782.10	300-100242 863.71	3318-240P 932.46
	27	2918-270 980.55	3018-270 1047.29	3318-270P 1362.20

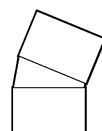
15° Elbow (Gasket x Spigot)

	6	290-100306 93.23	300-100306 114.19	3318-06023P 132.99
	8	290-100307 151.50	300-100307 169.00	3318-08023P 197.91
	10	290-100308 227.28	300-100308 250.56	3318-10023P 290.39
	12	290-100309 308.84	300-100309 361.32	3318-12023P 419.88
	15	290-100310 544.33	300-100310 596.76	3318-15023P 706.35
	18	290-100311 862.52	300-100311 988.41	3318-18023P 1174.93
	21	290-100313 1273.97	300-100313 1370.76	3318-21023P 1782.19
	24	2918-24023 2108.47	3018-24023 2386.01	3318-24023P 2995.09
	27	2918-27023 2727.97	3018-27023 3085.71	3318-27023P 3729.26

15° Elbow (Gasketed)

	6	290-100330 93.23	300-100330 114.19	3318-0602P 132.99
	8	290-100331 151.50	300-100331 169.00	3318-0802P 197.91
	10	290-100332 227.28	300-100332 250.56	3318-1002P 290.39
	12	290-100333 308.84	300-100333 361.32	3318-1202P 419.88
	15	290-100334 544.33	300-100334 596.76	3318-1502P 706.35
	18	290-100335 862.52	300-100335 988.41	3318-1802P 1174.93
	21	290-100336 1274.01	300-100336 1370.76	3318-2102P 1782.19
	24	2918-2402 2108.47	3018-2402 2386.01	3318-2402P 2995.09
	27	2918-2702 2727.97	3018-2702 3085.71	3318-2702P 3729.26

22-1/2° Elbow (Socket)

	6	290-100354 31.49	300-100354 37.27	3316-060P 45.45
	8	290-100355 51.24	300-100355 55.91	3316-080P 68.10
	10	290-100356 92.03	300-100356 106.05	3316-100P 133.02
	12	290-100357 130.50	300-100357 148.04	3316-120P 183.07
	15	290-100358 202.80	300-100358 248.23	3316-150P 322.86
	18	290-100359 348.48	300-100359 412.62	3316-180P 512.86
	21	290-100361 581.61	300-100361 663.19	3316-210P 863.71
	24	290-100362 782.10	300-100362 863.71	3316-240P 932.46
	27	2916-270 980.55	3016-270 1047.29	3316-270P 1362.20

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

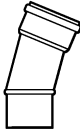
Page 623



Fabricated Fittings PVC 80, 100 & 125 PSI PIP Fabricated Fittings

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

22-1/2° Elbow (Gasket x Spigot)

	6	290-100426 93.23	300-100426 114.19	3316-06023P 132.99
	8	290-100427 151.50	300-100427 169.00	3316-08023P 197.91
	10	290-100428 227.28	300-100428 250.56	3316-10023P 290.39
	12	290-100429 308.84	300-100429 361.32	3316-12023P 419.88
	15	290-100430 544.33	300-100430 596.76	3316-15023P 706.35
	18	290-100431 862.52	300-100431 988.41	3316-18023P 1174.93
	21	290-100433 1273.97	300-100433 1370.76	3316-21023P 1782.19
	24	2916-24023 2108.47	3016-24023 2386.01	3316-24023P 2995.09
	27	2916-27023 2727.97	3016-27023 3085.71	3316-27023P 3729.26

22-1/2° Elbow (Gasketed)

	6	290-100450 93.23	300-100450 114.19	3316-0602P 132.99
	8	290-100451 151.50	300-100451 169.00	3316-0802P 197.91
	10	290-100452 227.28	300-100452 250.56	3316-1002P 290.39
	12	290-100453 308.84	300-100453 361.32	3316-1202P 419.88
	15	290-100454 544.33	300-100454 596.76	3316-1502P 706.35
	18	290-100455 862.52	300-100455 988.41	3316-1802P 1174.93
	21	290-100457 1273.97	300-100457 1370.76	3316-2102P 1782.19
	24	2916-2402 2108.47	3016-2402 2386.01	3316-2402P 2995.09
	27	2916-2702 2727.97	3016-2702 3085.71	3316-2702P 3729.26

30° Elbow (Socket)

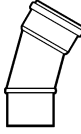
	6	290-100474 47.76	300-100474 50.12	3315-060P 64.11
	8	290-100475 72.29	300-100475 87.40	3315-080P 108.22
	10	290-100476 111.84	300-100476 131.69	3315-100P 163.80
	12	290-100477 160.81	300-100477 195.81	3315-120P 217.18
	15	290-100478 254.07	300-100478 304.21	3315-150P 376.46
	18	290-100479 414.94	300-100479 507.02	3315-180P 635.22
	21	290-100481 671.38	300-100481 818.27	3315-210P 1030.37
	24	290-100482 1915.10	300-100482 2226.30	3315-240P 2337.04
	27	2915-270 2110.82	3015-270 2374.79	3315-270P 2616.14

30° Elbow (Gasket x Spigot)

	6	290-100546 116.52	300-100546 134.04	3315-06023P 160.05
	8	290-100547 174.82	300-100547 189.97	3315-08023P 225.86
	10	290-100548 245.90	300-100548 272.73	3315-10023P 319.40
	12	290-100549 331.03	300-100549 388.14	3315-12023P 456.13
	15	290-100550 673.71	300-100550 785.61	3315-15023P 877.67
	18	290-100551 946.44	300-100551 1113.11	3315-18023P 1391.68
	21	290-100553 1410.36	300-100553 1204.94	3315-21023P 1981.52
	24	2915-24023 2262.72	3015-24023 3102.89	3315-24023P 3214.02

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

30° Elbow (Gasket x Spigot) (continued)

	27	2915-27023 3057.07	3015-27023 3567.53	3315-27023P 4177.83
---	----	-----------------------	-----------------------	------------------------

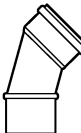
30° Elbow (Gasketed)

	6	290-100570 116.52	300-100570 134.04	3315-0602P 160.05
	8	290-100571 174.82	300-100571 189.97	3315-0802P 225.86
	10	290-100572 245.90	300-100572 272.73	3315-1002P 319.40
	12	290-100573 331.03	300-100573 388.14	3315-1202P 456.13
	15	290-100574 673.71	300-100574 785.61	3315-1502P 877.67
	18	290-100575 946.44	300-100575 1113.11	3315-1802P 1391.68
	21	290-100577 1410.36	300-100577 1204.94	3315-2102P 1981.52
	24	2915-2402 2262.97	3015-2402 3102.89	3315-2402P 3214.02
	27	2915-2702 3057.07	3015-2702 3567.53	3315-2702P 4177.83

45° Elbow (Socket)

	6	290-100592 47.76	300-100592 50.12	3317-060P 64.13
	8	290-100593 72.29	300-100593 87.40	3317-080P 108.22
	10	290-100594 111.84	300-100594 131.69	3317-100P 163.80
	12	290-100595 160.81	300-100595 195.81	3317-120P 217.18
	15	290-100596 254.07	300-100596 304.21	3317-150P 376.46
	18	290-100597 414.94	300-100597 507.02	3317-180P 635.22
	21	290-100599 671.38	300-100599 818.27	3317-210P 1030.37
	24	290-100600 1915.10	300-100600 2226.30	3317-240P 2337.04
	27	2917-270 2110.82	3017-270 2374.79	3317-270P 2616.14

45° Elbow (Gasket x Spigot)

	6	290-100658 116.52	300-100658 134.04	3317-06023P 160.05
	8	290-100659 174.82	300-100659 189.97	3317-08023P 225.86
	10	290-100660 245.90	300-100660 272.73	3317-10023P 319.40
	12	290-100661 331.03	300-100661 388.14	3317-12023P 456.13
	15	290-100662 673.71	300-100662 785.61	3317-15023P 877.67
	18	290-100663 946.44	300-100663 1113.11	3317-18023P 1391.68
	21	290-100665 1410.36	300-100665 1204.94	3317-21023P 1981.52
	24	2917-24023 2262.97	3017-24023 3102.89	3317-24023P 3214.02
	27	2917-27023 3057.07	3017-27023 3567.53	3317-27023P 4177.83

Fabricated Fittings **PVC 80, 100 & 125 PSI PIP Fabricated Fittings**



Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

45° Elbow (Gasketed) (continued)

	15	290-100684 673.71	300-100684 785.61	3317-1502P 877.67
	18	290-100685 946.44	300-100685 1113.11	3317-1802P 1391.68
	21	290-100687 1410.36	300-100687 1677.31	3317-2102P 1981.52
	24	2917-2402 2262.97	3017-2402 3102.89	3317-2402P 3214.02
	27	2917-2702 3057.07	3017-2702 3567.53	3317-2702P 4177.83

60° Elbow (Socket)

	6	290-100702 115.39	300-100702 135.21	3324-060P 167.63
	8	290-100703 156.18	300-100703 213.32	3324-080P 243.21
	10	290-100704 256.43	300-100704 300.71	3324-100P 335.67
	12	290-100705 329.81	300-100705 421.90	3324-120P 436.69
	15	290-100706 550.16	300-100706 653.90	3324-150P 748.30
	18	290-100707 827.55	300-100707 974.39	3324-180P 1280.97
	21	290-100709 1294.96	300-100709 1570.04	3324-210P 1929.07
	24	290-100710 2894.21	300-100710 3451.37	3324-240P 3635.49
	27	2924-270 3083.16	3024-270 3660.88	3324-270P 4047.28

60° Elbow (Gasket x Spigot)

	6	290-100768 139.82	300-100768 151.50	3324-06023P 222.98
	8	290-100769 221.47	300-100769 242.41	3324-08023P 289.70
	10	290-100770 329.81	300-100770 374.12	3324-10023P 447.49
	12	290-100771 448.76	300-100771 531.50	3324-12023P 643.82
	15	290-100772 860.21	300-100772 1086.33	3324-15023P 1225.05
	18	290-100773 1442.99	300-100773 1670.29	3324-18023P 1698.29
	21	290-100775 2091.09	300-100775 2507.23	3324-21023P 3028.27
	24	2924-24023 3337.52	3024-24023 3792.89	3324-24023P 4742.61
	27	2924-27023 4528.65	3024-27023 5245.46	3324-27023P 6235.45

60° Elbow (Gasketed)

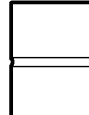
	6	290-100790 139.82	300-100790 151.50	3324-0602P 222.98
	8	290-100791 221.47	300-100791 242.41	3324-0802P 289.70
	10	290-100792 329.81	300-100792 374.12	3324-1002P 447.49
	12	290-100793 448.76	300-100793 531.50	3324-1202P 643.82
	15	290-100794 860.21	300-100794 1086.33	3324-1502P 1225.05
	18	290-100795 1442.99	300-100795 1670.29	3324-1802P 1698.29
	21	290-100797 2091.09	300-100797 2507.23	3324-2102P 3028.27
	24	2924-2402 3337.52	3024-2402 3792.89	3324-2402P 4742.61
	27	2924-2702 4528.65	3024-2702 5245.46	3324-2702P 6235.45

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Repair Coupling (Gasketed)

	6	2928-060 93.33	3028-060 106.05	3328-060P 121.20
	8	2928-080 130.74	3028-080 150.33	3328-080P 180.61
	10	2928-100 225.70	3028-100 241.30	3328-100P 284.61
	12	2928-120 314.82	3028-120 331.03	3328-120P 394.11
	15	2928-150 469.73	3028-150 493.07	3328-150P 596.76
	18	2928-180 782.63	3028-180 902.17	3328-180P 1242.34
	21	2928-210 1081.41	3028-210 1298.29	3328-210P 1745.67
	24	2928-240 1499.19	3028-240 1800.18	3328-240P 2441.62
	27	2928-270 1919.96	3028-270 2396.76	3328-270P 3051.06

Coupling (Socket)

	6	290-100002 27.97	300-100002 31.49	3329-060P 41.72
	8	290-100003 34.95	300-100003 43.09	3329-080P 53.06
	10	290-100004 58.26	300-100004 68.77	3329-100P 84.90
	12	290-100005 87.40	300-100005 106.05	3329-120P 137.84
	15	290-100006 132.86	300-100006 181.80	3329-150P 207.09
	18	290-100007 304.21	300-100007 382.32	3329-180P 466.16
	21	290-100009 404.44	300-100009 667.88	3329-210P 754.06
	24	290-100010 709.81	300-100010 890.49	3329-240P 906.89
	27	2929-270 860.47	3029-270 1072.06	3329-270P 1656.01

Coupling (Gasket x Spigot)

	6	290-100068 58.26	300-100068 61.76	3329-06023P 77.28
	8	290-100069 88.54	300-100069 95.56	3329-08023P 122.33
	10	290-100070 131.69	300-100070 139.82	3329-10023P 181.67
	12	290-100071 161.98	300-100071 189.97	3329-12023P 238.44
	15	290-100072 250.56	300-100072 378.78	3329-15023P 440.60
	18	290-100073 420.77	300-100073 512.86	3329-18023P 579.71
	21	290-100075 615.44	300-100075 796.09	3329-21023P 883.44
	24	2929-24023 751.79	3029-24023 1001.20	3329-24023P 1251.02
	27	2929-27023 976.24	3029-27023 1220.16	3329-27023P 1525.47

Coupling (Gasketed)

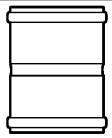
	6	290-100090 69.93	300-100090 78.05	3329-0602P 101.00
	8	290-100091 128.20	300-100091 144.67	3329-0802P 165.89
	10	290-100092 164.06	300-100092 184.15	3329-1002P 243.90
	12	290-100093 206.32	300-100093 269.50	3329-1202P 271.30
	15	290-100094 332.16	300-100094 495.35	3329-1502P 515.15
	18	290-100095 554.80	300-100095 585.14	3329-1802P 731.55
	21	290-100097 693.52	300-100097 946.44	3329-2102P 1076.74
	24	2929-2402 1164.46	3029-2402 1259.88	3329-2402P 1512.11



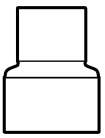
Fabricated Fittings PVC 80, 100 & 125 PSI PIP Fabricated Fittings

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Coupling (Gasketed) (continued)

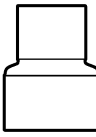
	27	2929-2702 1341.97	3029-2702 1574.85	3329-2702P 1969.46
---	----	----------------------	----------------------	-----------------------

Reducer Coupling (Socket)

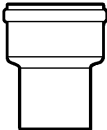
	6X4	2929-532 34.43	3029-532 38.46	3329-532P 41.01
	8X4	2929-582 97.90	300-100927 105.04	3329-582P 122.21
	8X6	2929-585 50.97	300-100928 59.45	3329-585P 68.91
	10X4	2929-624 134.67	3029-624 156.16	3329-624P 171.61
	10X6	2929-626 111.35	300-100930 122.33	3329-626P 120.19
	10X8	2929-628 70.01	300-100931 81.56	3329-628P 152.40
	12X4	2929-664 193.29	3029-664 201.60	3329-664P 293.97
	12X6	2929-666 177.23	300-100933 188.83	3329-666P 272.28
	12X8	2929-668 123.50	300-100934 130.90	3329-668P 238.33
	12X10	2929-670 101.99	300-100935 117.71	3329-670P 224.84
	15X4	2929-724 416.74	3029-724 445.93	3329-724P 528.50
	15X6	2929-726 393.99	3029-726 421.57	3329-726P 458.72
	15X8	2929-728 369.74	3029-728 399.33	3329-728P 430.37
	15X10	2929-730 255.10	3029-730 319.35	3329-730P 347.36
	15X12	2929-732 164.67	300-100940 189.97	3329-732P 327.71
	18X4	2929-784 810.98	3029-784 910.67	3329-784P 964.51
	18X6	2929-786 844.62	3029-786 891.07	3329-786P 944.44
	18X8	2929-788 778.60	3029-788 825.32	3329-788P 883.10
	18X10	2929-790 501.05	3029-790 540.24	3329-790P 610.51
	18X12	2929-792 491.19	3029-792 507.46	3329-792P 575.36
	18X15	2929-795 295.17	300-100946 346.16	3329-795P 420.77
	21X4	2929-844 1030.07	3029-844 1085.69	3329-844P 1172.56
	21X6	2929-846 986.80	3029-846 1046.00	3329-846P 1114.00
	21X8	2929-848 823.57	3029-848 865.10	3329-848P 887.83
	21X10	2929-850 762.90	3029-850 805.63	3329-850P 832.93
	21X12	2929-852 768.18	3029-852 737.81	3329-852P 782.09
	21X15	2929-855 676.36	3029-855 716.86	3329-855P 859.59
	21X18	2929-858 407.12	300-100960 476.70	3329-858P 597.97
24X6	2929-906 1633.93	3029-906 1742.51	3329-906P 1899.33	
24X8	2929-908 1550.21	3029-908 1625.68	3329-908P 1714.55	
24X10	2929-910 1475.67	3029-910 1555.35	3329-910P 1670.10	
24X12	2929-912 1291.64	3029-912 1368.78	3329-912P 1461.85	
24X15	2929-915 939.70	3029-915 1014.88	3329-915P 1027.45	

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Reducer Coupling (Socket) (continued)

	24X18	2929-918 891.66	3029-918 954.07	3329-918P 1018.56
	24X21	2929-921 603.54	300-100969 701.67	3329-921P 853.19
	27X6	2929-936 2124.46	3029-936 2267.99	3329-936P 2449.44
	27X8	2929-938 1976.05	3029-938 2144.91	3329-938P 2290.47
	27X10	2929-940 1852.65	3029-940 1973.84	3329-940P 2109.94
	27X12	2929-942 1740.57	3029-942 1845.01	3329-942P 1992.31
	27X15	2929-945 1371.10	3029-945 1465.06	3329-945P 1563.29
	27X18	2929-948 1286.20	3029-948 1375.65	3329-948P 1447.91
	27X21	2929-951 1066.72	3029-951 1277.61	3329-951P 1365.96
	27X24	2929-954 829.68	3029-954 1034.71	3329-954P 1290.29

Reducer Coupling (Gasket x Spigot)

	6X4	2929-53223 82.99	300-101310 85.07	3329-53223P 121.31
	8X4	2929-58223 188.49	300-100927 105.04	3329-58223P 235.03
	8X6	2929-58523 99.89	300-101312 121.20	3329-58523P 157.39
	10X4	2929-62423 275.51	3029-62423 300.31	3329-62423P 330.01
	10X6	2929-62623 214.14	300-100930 122.33	3329-62623P 268.52
	10X8	2929-62823 162.82	300-101315 174.82	3329-62823P 240.54
	12X4	2929-66423 371.70	3029-66423 387.69	3329-66423P 543.56
	12X6	2929-66623 340.82	300-100933 188.83	3329-66623P 523.60
	12X8	2929-66823 237.49	300-100934 130.90	3329-66823P 458.33
	12X10	2929-67023 228.05	300-101319 256.43	3329-67023P 313.18
	15X4	2929-72423 801.44	3029-72423 857.55	3329-72423P 1081.22
	15X6	2929-72623 757.67	3029-72623 810.71	3329-72623P 829.23
	15X8	2929-72823 711.05	3029-72823 767.95	3329-72823P 815.32
	15X10	2929-73023 490.56	3029-73023 614.14	3329-73023P 712.17
	15X12	2929-73223 391.95	300-101324 426.60	3329-73223P 550.60
	18X4	2929-78423 1659.12	3029-78423 1751.29	3329-78423P 1854.82
	18X6	2929-78623 1624.26	3029-78623 1713.60	3329-78623P 1816.21
	18X8	2929-78823 1497.19	3029-78823 1587.14	3329-78823P 1698.26
	18X10	2929-79023 963.55	3029-79023 1038.94	3329-79023P 1174.06
	18X12	2929-79223 944.61	3029-79223 975.88	3329-79223P 1106.46
	18X15	2929-79523 690.33	300-101330 811.27	3329-79523P 841.53
	21X6	2929-84623 1897.68	3029-84623 2011.61	3329-84623P 2142.31
	21X8	2929-84823 1647.15	3029-84823 1662.99	3329-84823P 1707.37
	21X10	2929-85023 1467.13	3029-85023 1549.28	3329-85023P 1601.78
	21X12	2929-85223 1364.41	3029-85223 1418.86	3329-85223P 1504.01
	21X15	2929-85523 1300.69	3029-85523 1378.59	3329-85523P 1464.49

Fabricated Fittings
PVC 80, 100 & 125 PSI PIP Fabricated Fittings



	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Reducer Coupling (Gasket x Spigot) (continued)

	21X15	2929-85523 1300.69	---	---
	21X18	2929-85823 1022.29	300-101344 1296.31	3329-85823P 1382.38
	24X6	2929-90623 3142.17	3029-90623 3350.97	3329-90623P 3652.01
	24X8	2929-90823 2981.18	3029-90823 3126.30	3329-90823P 3297.21
	24X10	2929-91023 2837.82	3029-91023 2990.39	3329-91023P 3211.72
	24X12	2929-91223 2483.91	3029-91223 2631.28	3329-91223P 2811.24
	24X15	2929-91523 1807.12	3029-91523 1951.70	3329-91523P 2554.67
	24X18	2929-91823 1714.72	3029-91823 1925.30	3329-91823P 2431.73
	24X21	2929-92123 1525.50	3029-92123 1892.93	3329-92123P 2318.56
	27X6	2929-93623 4085.49	3029-93623 4361.53	3329-93623P 4709.76
	27X8	2929-93823 3799.89	3029-93823 4124.30	3329-93823P 4402.87
	27X10	2929-94023 3562.79	3029-94023 3806.98	3329-94023P 4056.84
	27X12	2929-94223 3345.15	3029-94223 3547.55	3329-94223P 3830.49
	27X15	2929-94523 2635.64	3029-94523 2816.28	3329-94523P 3345.15
	27X18	2929-94823 2465.88	3029-94823 2644.34	3329-94823P 3235.63
	27X21	2929-95123 2180.76	3029-95123 2454.99	3329-95123P 3190.62
	27X24	2929-95423 2135.56	3029-95423 2685.26	3329-95423P 3157.11

Reducer Coupling (Spigot x Gasket)

	6X4	2929-53232 79.04	300-101383 81.94	3329-53232P 105.44
	8X4	2929-58232 180.96	3029-58232 193.94	3329-58232P 225.63
	8X6	2929-58532 95.90	300-101385 114.19	3329-58532P 121.86
	10X4	2929-62432 264.49	3029-62432 288.30	3329-62432P 316.82
	10X6	2929-62632 205.56	3029-62632 225.85	3329-62632P 257.79
	10X8	2929-62832 150.70	300-101388 170.37	3329-62832P 217.60
	12X4	2929-66432 356.84	3029-66432 372.18	3329-66432P 521.82
	12X6	2929-66632 327.18	3029-66632 348.62	3329-66632P 502.65
	12X8	2929-66832 228.00	3029-66832 263.40	3329-66832P 439.90
	12X10	2929-67032 218.02	300-101392 241.30	3329-67032P 307.76
	15X4	2929-72432 769.37	3029-72432 823.24	3329-72432P 1037.98
	15X6	2929-72632 727.36	3029-72632 778.30	3329-72632P 846.87
	15X8	2929-72832 682.62	3029-72832 737.23	3329-72832P 782.70
	15X10	2929-73032 470.84	3029-73032 589.56	3329-73032P 683.68
	15X12	2929-73232 320.15	300-101397 373.00	3329-73232P 529.15
	18X4	2929-78432 1592.76	3029-78432 1681.23	3329-78432P 1780.63
	18X6	2929-78632 1559.28	3029-78632 1645.04	3329-78632P 1743.57
	18X8	2929-78832 1437.30	3029-78832 1523.65	3329-78832P 1630.33
	18X10	2929-79032 924.78	3029-79032 997.37	3329-79032P 1127.10

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Reducer Coupling (Spigot x Gasket) (continued)

	18X12	2929-79232 906.81	3029-79232 936.85	3329-79232P 1062.20
	18X15	2929-79532 627.70	300-101403 721.49	3329-79532P 810.12
	21X6	2929-84632 1821.78	3029-84632 1931.15	3329-84632P 2056.61
	21X8	2929-84832 1581.26	3029-84832 1596.47	3329-84832P 1684.56
	21X10	2929-85032 1385.81	3029-85032 1487.30	3329-85032P 1537.71
	21X12	2929-85232 1309.85	3029-85232 1362.11	3329-85232P 1442.73
	21X15	2929-85532 1248.66	3029-85532 1323.31	3329-85532P 1405.88
	21X18	2929-85832 964.50	300-101417 1087.48	3329-85832P 1262.36
	24X6	2929-90632 3016.48	3029-90632 3216.93	3329-90632P 3506.02
	24X8	2929-90832 2861.93	3029-90832 3001.24	3329-90832P 3165.32
	24X10	2929-91032 2724.31	3029-91032 2870.78	3329-91032P 3083.38
	24X12	2929-91232 2384.79	3029-91232 2526.03	3329-91232P 2698.78
	24X15	2929-91532 1735.09	3029-91532 1875.17	3329-91532P 2452.49
	24X18	2929-91832 1646.13	3029-91832 1848.28	3329-91832P 2333.72
	24X21	2929-92132 1501.16	3029-92132 1807.84	3329-92132P 2010.61
	27X6	2929-93632 3922.06	3029-93632 4187.23	3329-93632P 4521.37
	27X8	2929-93832 3647.90	3029-93832 3959.07	3329-93832P 4222.95
	27X10	2929-94032 3420.19	3029-94032 3654.71	3329-94032P 3894.56
	27X12	2929-94232 3211.34	3029-94232 3405.66	3329-94232P 3677.28
	27X15	2929-94532 2530.38	3029-94532 2703.62	3329-94532P 3210.50
	27X18	2929-94832 2367.24	3029-94832 2538.57	3329-94832P 3106.20
	27X21	2929-95132 2093.52	3029-95132 2356.79	3329-95132P 2878.98
	27X24	2929-95432 2097.91	3029-95432 2512.72	3329-95432P 3030.15

Reducer Coupling (Gasketed)

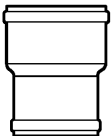
	6X4	2929-5322 96.12	300-101456 114.19	3329-5322P 145.18
	8X4	2929-5822 215.33	3029-5822 230.79	3329-5822P 268.49
	8X6	2929-5852 121.57	300-101458 150.33	3329-5852P 186.86
	10X4	2929-6242 314.73	3029-6242 343.07	3329-6242P 375.73
	10X6	2929-6262 245.01	3029-6262 268.77	3329-6262P 306.78
	10X8	2929-6282 213.30	300-101461 241.30	3329-6282P 301.60
	12X4	2929-6642 424.64	3029-6642 443.09	3329-6642P 620.97
	12X6	2929-6662 389.35	3029-6662 414.86	3329-6662P 598.16
	12X8	2929-6682 317.32	3029-6682 370.38	3329-6682P 523.48
	12X10	2929-6702 286.54	300-101465 331.03	3329-6702P 417.00
	15X4	2929-7242 916.69	3029-7242 979.78	3329-7242P 1235.26
	15X6	2929-7262 865.56	3029-7262 926.17	3329-7262P 1008.72
	15X8	2929-7282 812.31	3029-7282 877.31	3329-7282P 931.41



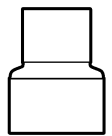
Fabricated Fittings PVC 80, 100 & 125 PSI PIP Fabricated Fittings

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Reducer Coupling (Gasketed) (continued)

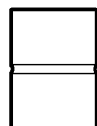
	15X12	2929-7322 422.71	300-101470 481.37	3329-7322P 601.43
	18X4	2929-7842 1894.89	3029-7842 2000.64	3329-7842P 2118.46
	18X6	2929-7862 1855.54	3029-7862 1957.61	3329-7862P 2074.85
	18X8	2929-7882 1710.39	3029-7882 1813.15	3329-7882P 1940.12
	18X10	2929-7902 1100.48	3029-7902 1186.87	3329-7902P 1341.24
	18X12	2929-7922 1079.06	3029-7922 1114.85	3329-7922P 1264.61
	18X15	2929-7952 755.21	300-101476 841.53	3329-7952P 961.59
	21X6	2929-8462 2167.88	3029-8462 2298.06	3329-8462P 2447.36
	21X8	2929-8482 1881.70	3029-8482 1898.94	3329-8482P 2003.98
	21X10	2929-8502 1649.12	3029-8502 1769.65	3329-8502P 1830.26
	21X12	2929-8522 1558.73	3029-8522 1620.91	3329-8522P 1717.13
	21X15	2929-8552 1485.48	3029-8552 1574.36	3329-8552P 1672.68
	21X18	2929-8582 1236.34	300-101489 1322.97	3329-8582P 1472.16
	24X6	2929-9062 3589.13	3029-9062 3828.85	3329-9062P 4170.93
	24X8	2929-9082 3405.97	3029-9082 3571.48	3329-9082P 3766.73
	24X10	2929-9102 3241.66	3029-9102 3415.39	3329-9102P 3668.59
	24X12	2929-9122 2837.63	3029-9122 3005.98	3329-9122P 3212.03
	24X15	2929-9152 2064.59	3029-9152 2231.45	3329-9152P 2918.44
	24X18	2929-9182 2015.91	3029-9182 2199.27	3329-9182P 2777.02
	24X21	2929-9212 1992.23	3029-9212 2175.01	3329-9212P 2757.57
	27X6	2929-9362 4667.88	3029-9362 4942.62	3329-9362P 5380.32
	27X8	2929-9382 4341.97	3029-9382 4710.98	3329-9382P 5024.78
	27X10	2929-9402 4069.91	3029-9402 4348.70	3329-9402P 4634.21
	27X12	2929-9422 3820.73	3029-9422 4052.41	3329-9422P 4375.64
	27X15	2929-9452 3011.36	3029-9452 3216.07	3329-9452P 3819.43
	27X18	2929-9482 2816.09	3029-9482 3020.79	3329-9482P 3695.52
	27X21	2929-9512 2604.68	3029-9512 2916.77	3329-9512P 3644.34
	27X24	2929-9542 2512.70	3029-9542 2788.60	3329-9542P 3553.91

PIP X IPS Reducer (Socket)

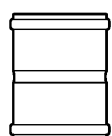
	6X4	2929-532 34.43	---	---
	8X6	---	300-101537 45.43	---
	10X6	---	3029-626PXI 140.00	---
	10X8	---	300-101538 103.31	---
	12X10	---	300-101539 124.68	---
	15X10	---	300-101541 314.70	---
	15X12	---	300-101540 214.46	---

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

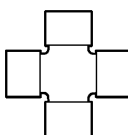
IPS X PIP Adapter (Socket)

	6	---	300-101649 37.27	---
	8	---	300-101650 53.57	---
	10	---	300-101651 89.76	---
	12	---	300-101652 139.82	---

IPS X PIP Adapter (Gasketed)

	6	---	300-101747 90.88	---
	8	---	300-101748 148.34	---
	10	---	300-101749 213.35	---
	12	---	300-101750 300.71	---

Cross (Socket)

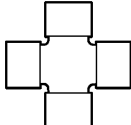
	6	290-103286 96.73	300-103286 134.04	3320-060P 166.80
	6X2	290-103283 73.41	300-103283 85.07	3320-528P 103.82
	6X3	290-103284 80.43	300-103284 95.56	3320-530P 112.12
	6X4	290-103285 87.40	300-103285 102.54	3320-532P 117.81
	8	290-103291 164.32	300-103291 195.81	3320-080P 241.43
	8X2	290-103287 90.88	300-103287 109.52	3320-578P 125.93
	8X3	290-103288 99.03	300-103288 120.03	3320-580P 141.15
	8X4	290-103289 106.05	300-103289 128.20	3320-582P 159.71
	8X6	290-103290 123.54	300-103290 148.04	3320-585P 183.07
	10	290-103297 278.55	300-103297 336.85	3320-100P 391.39
	10X2	290-103292 139.82	300-103292 145.69	3320-621P 163.29
	10X3	290-103293 150.33	300-103293 170.11	3320-623P 184.80
	10X4	290-103294 167.86	300-103294 181.80	3320-624P 224.59
	10X6	290-103295 189.97	300-103295 203.95	3320-626P 251.67
	10X8	290-103296 222.59	300-103296 248.23	3320-628P 307.57
	12	290-103304 432.40	300-103304 509.36	3320-120P 628.94
	12X2	290-103298 209.81	300-103298 214.46	3320-661P 271.68
	12X3	290-103299 231.93	300-103299 234.29	3320-663P 295.91
	12X4	290-103300 236.60	300-103300 256.43	3320-664P 316.99
	12X6	290-103301 254.07	300-103301 282.07	3320-666P 349.51
	12X8	290-103302 296.03	300-103302 328.69	3320-668P 359.94
	12X10	290-103303 348.48	300-103303 396.29	3320-670P 489.06
	15	290-103321 723.82	300-103321 877.67	3320-150P 1118.98
	15X2	290-103313 296.03	300-103313 334.50	3320-721P 390.46
	15X3	290-103314 300.71	300-103314 354.35	3320-723P 426.60
	15X4	290-103315 314.70	300-103315 362.51	3320-724P 442.89
	15X6	290-103316 346.16	300-103316 400.95	3320-726P 459.23
	15X8	290-103317 409.16	300-103317 459.23	3320-728P 627.09

Fabricated Fittings **PVC 80, 100 & 125 PSI PIP Fabricated Fittings**



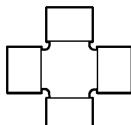
	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Cross (Socket) (continued)

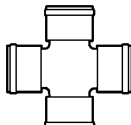
	15X10	290-103318 473.21	300-103318 571.10	3320-730P 759.95
		290-103319 557.15	300-103319 667.88	3320-732P 868.31
	18	290-103342 1253.02	300-103342 1419.71	3320-180P 1809.00
	18X2	290-103332 442.89	300-103332 518.67	3320-781P 676.00
	18X3	290-103333 454.57	300-103333 543.16	3320-783P 713.34
	18X4	290-103334 470.90	300-103334 554.80	3320-784P 757.59
	18X6	290-103335 504.67	300-103335 599.10	3320-786P 835.70
	18X8	290-103336 559.46	300-103336 655.06	3320-788P 946.44
	18X10	290-103337 617.74	300-103337 709.81	3320-790P 1086.33
	18X12	290-103338 721.49	300-103338 877.67	3320-792P 1230.87
	18X15	290-103340 874.19	300-103340 1141.14	3320-795P 1461.67
	21	290-103367 1849.83	300-103367 2338.17	3320-210P 2783.47
	21X2	290-103355 676.00	300-103355 862.52	3320-841P 885.84
	21X3	290-103356 705.17	300-103356 909.14	3320-843P 1002.41
	21X4	290-103357 745.96	300-103357 946.44	3320-844P 1118.98
	21X6	290-103358 793.72	300-103358 1002.41	3320-846P 1208.68
	21X8	290-103359 857.86	300-103359 1086.33	3320-848P 1335.78
	21X10	290-103360 927.78	300-103360 1197.05	3320-850P 1475.65
	21X12	290-103361 1038.54	300-103361 1335.78	3320-852P 1642.34
	21X15	290-103363 1191.23	300-103363 1558.40	3320-855P 1892.93
	21X18	290-103365 1427.84	300-103365 1864.96	3320-858P 2310.22
	24	290-103381 2644.73	300-103381 3116.81	3320-240P 4285.96
	24X2	290-103368 932.46	300-103368 1118.98	3320-901P 1165.59
	24X3	290-103369 979.06	300-103369 1165.59	3320-903P 1218.05
	24X4	290-103370 1038.54	300-103370 1225.05	3320-904P 1280.97
	24X6	290-103371 1127.11	300-103371 1305.45	3320-906P 1363.76
	24X8	290-103372 1197.05	300-103372 1419.71	3320-908P 1503.61
	24X10	290-103373 1280.97	300-103373 1531.60	3320-910P 1670.29
	24X12	290-103374 1391.68	300-103374 1698.29	3320-912P 1837.01
	24X15	290-103376 1670.29	300-103376 1920.90	3320-915P 2087.60
	24X18	290-103378 1892.93	300-103378 2226.30	3320-918P 2504.89
	24X21	290-103380 2254.27	300-103380 2644.73	3320-921P 3034.05
	27	2920-270 4004.27	3020-270 4718.72	3320-270P 6133.22
	27X4	2920-934 1184.29	3020-934 1483.40	3320-934P 1927.91
	27X6	2920-936 1366.87	3020-936 1583.36	3320-936P 2059.77
	27X8	2920-938 1451.22	3020-938 1721.11	3320-938P 2238.15
	27X10	2920-940 1551.16	3020-940 1855.56	3320-940P 2412.86

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Cross (Socket) (continued)

	27X12	2920-942 1685.45	3020-942 2057.49	3320-942P 2674.35
	27X15	2920-945 2022.89	3020-945 2327.28	3320-945P 3025.16
	27X18	2920-948 2291.73	3020-948 2697.05	3320-948P 3492.05
	27X21	2920-951 2731.43	3020-951 3203.37	3320-951P 4166.17
	27X24	2920-954 3203.33	3020-954 3775.05	3320-954P 4906.38

Cross (Gasketed)

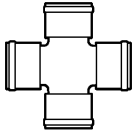
	6	290-104001 233.05	300-104001 240.06	3320-0602P 288.07
	6X4	290-104000 215.95	300-104000 221.47	3320-5322P 247.78
	8	290-104006 326.35	300-104006 346.16	3320-0802P 416.34
	8X4	290-104004 259.78	300-104004 268.04	3320-5822P 335.24
	8X6	290-104005 295.68	300-104005 303.04	3320-5852P 360.66
	10	290-104012 484.86	300-104012 487.20	3320-1002P 574.03
	10X4	290-104009 345.86	300-104009 349.67	3320-6242P 412.26
	10X6	290-104010 378.78	300-104010 390.46	3320-6262P 435.39
	10X8	290-104011 406.22	300-104011 437.10	3320-6282P 489.26
	12	290-104019 695.88	300-104019 723.82	3320-1202P 870.60
	12X4	290-104015 419.61	300-104015 448.76	3320-6642P 570.64
	12X6	290-104016 454.57	300-104016 489.51	3320-6662P 607.72
	12X8	290-104017 512.86	300-104017 559.46	3320-6682P 623.77
	12X10	290-104018 594.43	300-104018 629.45	3320-6702P 738.48
	15	290-104036 1086.33	300-104036 1253.02	3320-1502P 1573.54
	15X4	290-104030 629.45	300-104030 792.60	3320-7242P 842.13
	15X6	290-104031 676.00	300-104031 845.04	3320-7262P 877.02
	15X8	290-104032 757.59	300-104032 903.32	3320-7282P 932.46
	15X10	290-104033 874.19	300-104033 990.76	3320-7302P 1049.05
	15X12	290-104034 929.02	300-104034 1107.32	3320-7322P 1253.02
	18	290-104057 1670.29	300-104057 1892.93	3320-1802P 2389.50
	18X4	290-104049 932.46	300-104049 1049.05	3320-7842P 1072.32
	18X6	290-104050 1014.05	300-104050 1165.59	3320-7862P 1218.33
	18X8	290-104051 1142.28	300-104051 1282.15	3320-7882P 1300.54
	18X10	290-104052 1223.87	300-104052 1398.74	3320-7902P 1448.55
	18X12	290-104053 1340.46	300-104053 1515.26	3320-7922P 1585.26
	18X15	2920-7952 1533.51	3020-7952 1723.94	3320-7952P 2036.37
	21	290-104082 2764.84	300-104082 3681.66	3320-2102P 3895.95
	21X4	290-104072 1491.97	300-104072 2524.29	3320-8442P 2989.80
	21X6	290-104073 1596.84	300-104073 2622.35	3320-8462P 3052.09
	21X8	290-104074 1748.38	300-104074 2735.76	3320-8482P 3189.13



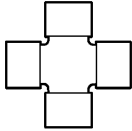
Fabricated Fittings PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
------	---	--	--

Cross (Gasketed) (continued)

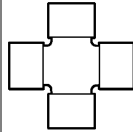
	21X10	290-104075 1923.24	300-104075 2893.40	3320-8502P 3263.85
	21X12	290-104076 2156.38	300-104076 3051.60	3320-8522P 3413.35
	21X15	290-104078 2389.50	300-104078 3191.38	3320-8552P 3434.35
	21X18	290-104080 2564.33	300-104080 3524.01	3320-8582P 3614.05
	24	2920-2402 5240.84	3020-2402 6265.36	3320-2402P 7811.28
	24X4	2920-9042 2733.85	3020-9042 3039.53	3320-9042P 3798.82
	24X6	2920-9062 2745.39	3020-9062 3068.87	3320-9062P 3813.53
	24X8	2920-9082 2964.55	3020-9082 3295.20	3320-9082P 4118.06
	24X10	2920-9102 3208.65	3020-9102 3564.38	3320-9102P 4454.43
	24X12	2920-9122 3452.88	3020-9122 3835.47	3320-9122P 4793.04
	24X15	2920-9152 4000.81	3020-9152 4444.88	3320-9152P 5556.29
	24X18	2920-9182 4419.96	3020-9182 4910.15	3320-9182P 6138.67
	24X21	2920-9212 5083.18	3020-9212 5648.41	3320-9212P 7059.55
	27	2920-2702 7290.19	3020-2702 10477.82	3320-2702P 13063.63
	27X4	2920-9342 3213.18	3020-9342 3800.85	3320-9342P 4748.65
	27X6	2920-9362 3449.04	3020-9362 3815.71	3320-9362P 4818.23
	27X8	2920-9382 3697.04	3020-9382 4119.97	3320-9382P 5150.30
	27X10	2920-9402 4010.43	3020-9402 4454.53	3320-9402P 5569.62
	27X12	2920-9422 4316.11	3020-9422 4796.73	3320-9422P 5994.62
	27X15	2920-9452 5000.52	3020-9452 5556.13	3320-9452P 6946.14
	27X18	2920-9482 5525.36	3020-9482 6138.67	3320-9482P 7672.06
	27X21	2920-9512 6353.97	3020-9512 7059.55	3320-9512P 8826.35
	27X24	2920-9542 6878.90	3020-9542 7811.43	3320-9542P 9764.55

PIP X IPS Cross (Socket)

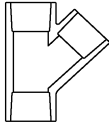
	6	2920-060PXI 96.73	3020-060PXI 134.04	3320-060PXI 166.80
	8	2920-080PXI 164.32	3020-080PXI 195.81	3320-080PXI 241.43
	8X6	2920-585PXI 116.13	3020-585PXI 148.04	3320-585PXI 183.07
	10	2920-100PXI 278.55	3020-100PXI 336.85	3320-100PXI 391.39
	10X6	2920-626PXI 178.57	300-103700 203.95	3320-626PXI 236.57
	10X8	2920-628PXI 209.23	3020-628PXI 277.24	3320-628PXI 289.12
	12	2920-120PXI 432.40	3020-120PXI 509.36	3320-120PXI 628.94
	12X6	2920-666PXI 254.07	3020-666PXI 282.07	3320-666PXI 328.54
	12X8	2920-668PXI 296.03	3020-668PXI 328.69	3320-668PXI 692.96
	12X10	2920-670PXI 327.57	3020-670PXI 396.29	3320-670PXI 459.72
	15X6	2920-726PXI 325.39	3020-726PXI 400.95	3320-726PXI 431.68
	15X8	2920-728PXI 384.61	3020-728PXI 459.23	3320-728PXI 589.46
	15X10	2920-730PXI 444.82	3020-730PXI 571.10	3320-730PXI 714.35

Size	80 PIP Disc Code: 310 Part Number Price Each	100 PIP Disc Code: 320 Part Number Price Each	125 PIP Disc Code: 330 Part Number Price Each
------	---	--	--

PIP X IPS Cross (Socket) (continued)

	15X12	2920-732PXI 523.72	3020-732PXI 667.88	3320-732PXI 816.21
	18X6	2920-786PXI 504.67	3020-786PXI 599.10	3320-786PXI 835.70
	18X8	2920-788PXI 525.89	3020-788PXI 655.06	3320-788PXI 889.65
	18X10	2920-790PXI 617.74	3020-790PXI 709.81	3320-790PXI 1021.15
	18X12	2920-792PXI 721.49	3020-792PXI 877.67	3320-792PXI 1157.02
	21X6	2920-846PXI 831.45	3020-846PXI 1002.41	3320-846PXI 1136.16
	21X8	2920-848PXI 857.86	3020-848PXI 1086.33	3320-848PXI 1255.63
	21X10	2920-850PXI 927.78	3020-850PXI 1197.05	3320-850PXI 1387.11
	21X12	2920-852PXI 976.23	3020-852PXI 1335.78	3320-852PXI 1543.80
	24X6	2920-906PXI 1127.11	3020-906PXI 1305.45	3320-906PXI 1281.93
	24X8	2920-908PXI 1197.05	3020-908PXI 1419.71	3320-908PXI 1413.39
	24X10	2920-910PXI 1280.97	3020-910PXI 1531.60	3320-910PXI 1570.07
	24X12	2920-912PXI 1391.68	3020-912PXI 1698.29	3320-912PXI 1726.79

Wyes (Socket)

	6	2975-060 184.03	---	---
	6X4	2975-532 103.52	---	---
	8	2975-080 195.36	---	---
	8X4	2975-582 169.56	---	---
	8X6	2975-585 276.30	---	---
	10	2975-100 307.63	---	---
	10X4	2975-624 188.44	---	---
	10X6	2975-626 198.20	---	---
	10X8	2975-628 253.44	---	---
	12	2975-120 440.37	---	---
	12X4	2975-664 223.53	---	---
	12X6	2975-666 244.45	---	---
	12X8	2975-668 276.22	---	---
	12X10	2975-670 294.78	---	---
	15	2975-150 882.22	---	---
	15X4	2975-724 354.55	---	---
	15X6	2975-726 379.45	---	---
	15X8	2975-728 459.03	---	---
	15X10	2975-730 493.07	---	---
	15X12	2975-732 681.62	---	---
	18	2975-187 1288.59	---	---
	18X4	2975-784 556.68	---	---
	18X6	2975-786 590.21	---	---

Fabricated Fittings
PVC 80, 100 & 125 PSI PIP Fabricated Fittings



	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Wyes (Socket) (continued)

	18X8	2975-788 651.72	---	---
	18X10	2975-790 679.77	---	---
	18X12	2975-792 891.70	---	---
	18X15	2975-795 1117.79	---	---

Surface Reducer (Socket)

	6X2	---	300-102013 46.60	---
	6X3	---	300-102015 46.60	---
	8X2	---	300-102018 87.40	---
	8X3	---	300-102020 87.40	---
	8X4	---	300-102021 87.40	---
	10X2	---	300-102024 110.76	---
	10X3	---	300-102026 110.76	---
	10X4	---	300-102027 110.76	---
	10X6	---	300-102028 110.76	---
	12X2	---	300-102031 163.16	---
	12X3	---	300-102033 163.16	---
	12X4	---	300-102034 163.16	---
	12X6	---	300-102035 163.16	---
	12X8	---	300-102036 163.16	---
	15X2	---	300-102048 297.11	---
	15X3	---	300-102050 297.11	---
	15X4	---	300-102051 297.11	---
	15X6	---	300-102052 297.11	---
	15X8	---	300-102053 297.11	---
	15X10	---	300-102054 297.11	---
	18X2	---	300-102067 448.76	---
	18X3	---	300-102069 448.76	---
	18X4	---	300-102070 448.76	---
	18X6	---	300-102071 448.76	---
	18X8	---	300-102072 448.76	---
	18X10	---	300-102073 448.76	---
	18X12	---	300-102074 448.76	---
	21X2	---	300-102088 740.17	---
	21X3	---	300-102089 740.17	---
	21X4	---	300-102090 740.17	---
	21X6	---	300-102091 740.17	---
	21X8	---	300-102092 740.17	---

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Surface Reducer (Socket) (continued)

	21X10	---	300-102093 740.17	---
	21X12	---	300-102094 740.17	---
	21X15	---	300-102095 740.17	---

Stub Surface Reducer (Socket)

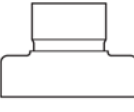
	6X4	---	30040-532 114.81	---
	8X4	---	30040-582 131.71	---
	8X6	---	30040-585 140.62	---
	10X4	---	30040-624 149.63	---
	10X6	---	30040-626 158.04	---
	10X8	---	30040-628 166.19	---
	12X4	---	30040-664 168.44	---
	12X6	---	30040-666 171.85	---
	12X8	---	30040-668 198.07	---
	12X10	---	30040-670 228.15	---
	15X4	---	30040-724 276.30	---
	15X6	---	30040-726 289.05	---
	15X8	---	30040-728 303.26	---
	15X10	---	30040-730 334.67	---
	15X12	---	30040-732 345.11	---
	18X4	---	30040-784 660.44	---
	18X6	---	30040-786 679.52	---
	18X8	---	30040-788 694.07	---
	18X10	---	30040-790 719.56	---
	18X12	---	30040-792 739.41	---
	18X15	---	30040-795 847.05	---
	21X4	---	30040-844 916.59	---
	21X6	---	30040-846 925.82	---
	21X8	---	30040-848 951.07	---
	21X10	---	30040-850 982.48	---
	21X12	---	30040-852 995.56	---
	21X15	---	30040-855 1103.56	---
	21X18	---	30040-858 1218.67	---
	24X4	---	30040-904 1034.85	---
	24X6	---	30040-906 1041.93	---
	24X8	---	30040-908 1068.30	---
	24X10	---	30040-910 1099.70	---



Fabricated Fittings PVC 80, 100 & 125 PSI PIP Fabricated Fittings

	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Stub Surface Reducer (Socket) (continued)

	24X15	---	30040-915 1221.73	---
	24X18	---	30040-918 1336.89	---
	24X21	---	30040-921 1585.78	---

Cap (Socket)

	6	---	300-107540 46.60	---
	8	---	300-107541 59.45	---
	10	---	300-107542 95.56	---
	12	---	300-107543 125.86	---
	15	---	300-107545 205.11	---
	18	---	300-107547 400.72	---
	21	---	300-107549 613.07	---
	24	---	300-107550 838.34	---
	27	---	3047-270 1052.01	---

Saddle (Socket)

	6X2	---	300-101789 58.26	---
	6X3	---	300-101797 69.93	---
	6X4	---	300-101804 81.56	---
	8X2	---	300-101790 58.26	---
	8X3	---	300-101798 69.93	---
	8X4	---	300-101805 81.56	---
	8X6	---	300-101811 93.23	---
	10X2	---	300-101791 58.26	---
	10X3	---	300-101799 69.93	---
	10X4	---	300-101806 81.56	---
	10X6	---	300-101812 93.23	---
	10X8	---	300-101817 104.89	---
	12X2	---	300-101792 58.26	---
	12X3	---	300-101800 69.93	---
	12X4	---	300-101807 81.56	---
	12X6	---	300-101813 93.23	---
	12X8	---	300-101818 104.89	---
	12X10	---	300-101822 116.52	---
	15X2	---	300-101793 58.26	---
	15X3	---	300-101801 84.18	---
	15X4	---	300-101808 81.56	---
	15X6	---	300-101814 93.23	---
	15X8	---	300-101819 104.89	---

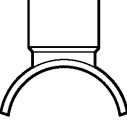
	Size	80 PSI Disc Code: 310 Part Number Price Each	100 PSI Disc Code: 320 Part Number Price Each	125 PSI Disc Code: 330 Part Number Price Each
--	------	---	--	--

Saddle (Socket) (continued)

	15X10	---	300-101823 116.52	---
	15X12	---	300-101826 162.09	---
	18X2	---	300-101794 58.26	---
	18X3	---	300-101802 125.03	---
	18X4	---	300-101809 159.43	---
	18X6	---	300-101815 192.51	---
	18X8	---	300-101820 205.67	---
	18X10	---	300-101824 236.76	---
	18X12	---	300-101827 249.63	---
	18X15	---	300-101829 381.91	---

NOTE: When assembling Spears® Saddles to PVC pipe, Spears® Manufacturing Company recommends Industrial Polychemical Service (IPS) #719 Solvent Cement and #P-68 Primer, or equivalent. Although good connections may be accomplished without Saddle Straps, Spears® Manufacturing Company recommends the use of clamp or strap device during the assembly step to insure good compression between the pipe and fitting surfaces as the solvent cures. PVC Fabricated Saddle connections are designed for use in low pressure open ended systems and are not intended for use in high pressure applications. For further details, contact Spears® Technical Services Department.

Stub Saddle (Socket)

	6X2	---	300-101884 81.56	---
	6X3	---	300-101892 89.76	---
	6X4	---	300-101899 103.70	---
	8X2	---	300-101885 81.56	---
	8X3	---	300-101893 89.76	---
	8X4	---	300-101900 103.70	---
	8X6	---	300-101906 128.20	---
	10X2	---	300-101886 81.56	---
	10X3	---	300-101894 89.76	---
	10X4	---	300-101901 103.70	---
	10X6	---	300-101907 128.20	---
	10X8	---	300-101912 167.86	---
	12X2	---	300-101887 81.56	---
	12X3	---	300-101895 89.76	---
	12X4	---	300-101902 103.70	---
	12X6	---	300-101908 128.20	---
	12X8	---	300-101913 167.86	---
	12X10	---	300-101917 181.80	---
	15X2	---	300-101888 117.71	---
	15X3	---	300-101896 130.50	---
	15X4	---	300-101903 136.37	---
	15X6	---	300-101909 141.01	---

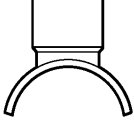
Fabricated Fittings
PVC 80, 100 & 125 PSI PIP Fabricated Fittings & Pipe Flanges



Glue-on Saddles

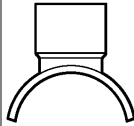
Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Stub Saddle (Socket) (continued)

	15X8	---	300-101914 167.86	---
	15X10	---	300-101918 193.46	---
	15X12	---	300-101921 255.24	---
	18X2	---	300-101889 192.30	---
	18X3	---	300-101897 196.97	---
	18X4	---	300-101904 237.74	---
	18X6	---	300-101910 303.04	---
	18X8	---	300-101915 324.03	---
	18X10	---	300-101919 373.00	---

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Stub Saddle (Socket) (continued)

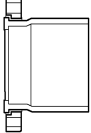
	18X12	---	300-101922 430.13	---
	18X15	---	300-101924 601.43	---

NOTE: When assembling Spears® Saddles to PVC pipe, Spears® Manufacturing Company recommends Industrial Polychemical Service (IPS) #719 Solvent Cement and #P-68 Primer, or equivalent. Although good connections may be accomplished without Saddle Straps, Spears® Manufacturing Company recommends the use of clamp or strap device during the assembly step to insure good compression between the pipe and fitting surfaces as the solvent cures. PVC Fabricated Saddle connections are designed for use in low pressure open ended systems and are not intended for use in high pressure applications. For further details, contact Spears® Technical Services Department.

Pipe Flanges

Size	80 PSI	100 PSI	125 PSI
	Disc Code: 310 Part Number Price Each	Disc Code: 320 Part Number Price Each	Disc Code: 330 Part Number Price Each

Flange x PIP (Socket)

	6X6.140	---	---	354-060F 126.99
	8X8.160	---	---	354-080F 192.30
	10X10.200	---	---	354-100F 270.38
	12X12.240	---	---	354-120F 391.60
	14X15.300	---	---	354-150F 1043.82
	16X15.300	---	---	354-151F 1190.79
	18X18.360	---	354-182F 1809.00	---
	18X18.701	---	354-181F 1809.00	---
	20X22.047	---	354-201F 2755.48	---
	24X24.803	---	354-241F 4035.33	---

PIP =Plastic Irrigation Pipe (PIP dimensions are NOT the same as IPS dimensions.)
 Sizes 6" through 16" are furnished with Plastic Ring.
 Sizes 18" Through 24" are furnished with Steel Ring.



Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

Size	CLASS 63	CLASS 100	CLASS 125	CLASS 160	CLASS 200
	Disc Code: 340 Part Number Price Each	Disc Code: 350 Part Number Price Each	Disc Code: 360 Part Number Price Each	Disc Code: 370 Part Number Price Each	Disc Code: 380 Part Number Price Each

Tee (Gasket x Spigot x Fipt)

	4X1-1/2	---	---	---	340-102356 180.02	350-102356 209.83
	4X2	---	---	---	340-102357 180.02	350-102357 209.83
	4X2-1/2	---	---	---	340-102358 192.20	350-102358 223.09
	4X3	---	---	---	340-102359 192.20	---
	6X1-1/2	---	---	---	340-102361 261.80	350-102361 272.83
	6X2	---	---	---	340-102362 261.80	350-102362 272.83
	6X2-1/2	---	---	---	340-102363 278.38	350-102363 284.97
	6X3	---	---	---	340-102364 278.38	350-102364 284.97
	6X4	---	---	---	340-102365 289.37	350-102365 300.43
	8X1-1/2	---	---	---	340-102366 319.21	350-102366 388.80
	8X2	---	---	---	340-102367 319.21	350-102367 388.80
	8X2-1/2	---	---	---	340-102368 335.78	350-102368 405.36
	8X3	---	---	---	340-102369 335.78	350-102369 405.36
	8X4	---	---	---	340-102370 363.39	350-102370 421.91
	10X2	---	---	---	340-102372 542.33	350-102372 592.04
	10X2-1/2	---	---	---	340-102373 575.48	---
	10X3	---	---	---	340-102374 575.48	350-102374 620.76
	10X4	---	---	---	340-102375 605.27	350-102375 652.81
	12X2	---	---	---	340-102377 722.38	350-102377 777.59
	12X2-1/2	---	---	---	340-102378 753.30	---
	12X3	---	---	---	340-102379 753.30	350-102379 819.56
	12X4	---	---	---	340-102380 788.67	350-102380 861.56

Tee (Gasket x Gasket x Fipt)

	4X1-1/2	---	---	---	340-102426 198.82	350-102426 217.61
	4X2	---	---	---	340-102427 198.82	350-102427 217.61
	4X2-1/2	---	---	---	340-102428 216.47	350-102428 234.16
	4X3	---	---	---	340-102429 216.47	350-102429 234.16
	6X1-1/2	---	---	---	340-102431 286.06	350-102431 300.43
	6X2	---	---	---	340-102432 286.06	350-102432 300.43
	6X2-1/2	---	---	---	340-102433 297.12	350-102433 314.82
	6X3	---	---	---	340-102434 297.12	350-102434 314.82
	6X4	---	---	---	340-102435 305.96	350-102435 328.06
	8X1-1/2	---	---	---	340-102436 350.16	350-102436 419.73
	8X2	---	---	---	340-102437 350.16	350-102437 419.73
	8X2-1/2	---	---	---	340-102438 371.13	350-102438 441.81
	8X3	---	---	---	340-102439 371.13	350-102439 441.81
	8X4	---	---	---	340-102440 394.32	350-102440 609.14

Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



Size	CLASS 63	CLASS 100	CLASS 125	CLASS 160	CLASS 200
	Disc Code: 340 Part Number Price Each	Disc Code: 350 Part Number Price Each	Disc Code: 360 Part Number Price Each	Disc Code: 370 Part Number Price Each	Disc Code: 380 Part Number Price Each

Tee (Gasket x Gasket x Fipt) (continued)

	10X2	---	---	---	340-102442 593.13	350-102442 652.81
	10X2-1/2	---	---	---	340-102443 620.76	350-102443 689.27
	10X3	---	---	---	340-102444 620.76	350-102444 689.27
	10X4	---	---	---	340-102445 654.97	350-102445 716.83
	12X2	---	---	---	340-102447 765.13	350-102447 832.84
	12X2-1/2	---	---	---	340-102448 803.01	---
	12X3	---	---	---	340-102449 803.01	350-102449 874.81
	12X4	---	---	---	340-102450 843.86	350-102450 916.79

Tee (Soc x Soc x Soc)

	6	310-102502 68.66	320-102502 138.41	330-102502 153.87	340-102502 271.31	350-102502 287.11
	6X2	310-102499 54.23	320-102499 71.96	330-102499 86.35	340-102499 215.36	350-102499 223.68
	6X3	310-102500 57.57	320-102500 80.81	330-102500 91.87	340-102500 229.14	350-102500 234.80
	6X4	310-102501 63.12	320-102501 88.59	330-102501 102.96	340-102501 237.44	350-102501 251.38
	8	310-102507 115.19	320-102507 174.94	330-102507 207.09	340-102507 425.28	350-102507 505.90
	8X2	310-102503 75.29	320-102503 95.22	330-102503 102.96	340-102503 273.93	350-102503 302.65
	8X3	310-102504 80.81	320-102504 106.27	330-102504 115.19	340-102504 307.07	350-102504 328.06
	8X4	310-102505 86.35	320-102505 120.65	330-102505 131.72	340-102505 324.74	350-102505 344.62
	8X6	310-102506 102.96	320-102506 155.02	330-102506 163.86	340-102506 376.66	350-102506 408.67
	10	310-102513 171.61	320-102513 243.56	330-102513 336.60	340-102513 660.51	350-102513 803.01
	10X2	310-102508 102.96	320-102508 126.19	330-102508 161.64	340-102508 387.71	350-102508 461.68
	10X3	310-102509 120.65	320-102509 146.14	330-102509 190.45	340-102509 416.44	350-102509 491.50
	10X4	310-102510 137.31	320-102510 163.86	330-102510 214.79	340-102510 450.67	350-102510 527.96
	10X6	310-102511 149.48	320-102511 180.48	330-102511 238.02	340-102511 495.94	350-102511 580.97
	10X8	310-102512 159.44	320-102512 209.27	330-102512 283.44	340-102512 558.91	350-102512 652.81
	12	310-102520 235.83	320-102520 384.22	330-102520 504.90	340-102520 940.00	350-102520 1241.50
	12X2	310-102514 177.19	320-102514 190.45	330-102514 249.16	340-102514 512.49	350-102514 608.62
	12X3	310-102515 182.68	320-102515 201.52	330-102515 270.16	340-102515 546.77	350-102515 656.10
	12X4	310-102516 189.35	320-102516 224.77	330-102516 298.97	340-102516 584.32	350-102516 700.24
	12X6	310-102517 194.86	320-102517 256.88	330-102517 336.60	340-102517 649.50	350-102517 794.16
	12X8	310-102518 205.96	320-102518 283.44	330-102518 378.72	340-102518 723.47	350-102518 847.19
	12X10	310-102519 211.45	320-102519 338.83	330-102519 449.53	340-102519 808.54	350-102519 991.89
	15X2	310-102521** 210.39	---	---	---	---
	15X3	310-102522** 221.44	---	---	---	---
	15X4	310-102523** 245.81	---	---	---	---
	15X6	310-102524** 251.35	---	---	---	---
	15X8	310-102525** 270.16	---	---	---	---
	15X10	310-102526** 283.44	---	---	---	---



Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Tee (Soc x Soc x Soc) (continued)

	15X12	310-102527** 319.99	---	---	---	---
	15X15	310-102528* 407.47	---	---	---	---

* 15" PIP O.D.

** 15" PIP O.D. x IPS

Tee (Gasket x Spigot x Gasket)

	4	---	320-103058 110.71	330-103058 115.19	340-103058 210.39	350-103058 236.05
	6	---	320-103062 160.56	330-103062 171.61	340-103062 325.83	350-103062 375.53
	6X4	---	320-103061 137.31	330-103061 166.07	340-103061 289.37	350-103061 311.47
	8	---	320-103067 221.94	330-103067 285.67	340-103067 483.80	350-103067 608.62
	8X4	---	320-103065 173.23	330-103065 189.35	340-103065 361.17	350-103065 439.61
	8X6	---	320-103066 201.52	330-103066 239.18	340-103066 399.85	350-103066 500.36
	10	---	320-103073 376.48	330-103073 457.31	340-103073 791.98	350-103073 999.36
	10X4	---	320-103070 259.09	330-103070 331.05	340-103070 531.31	350-103070 667.15
	10X6	---	320-103071 285.67	330-103071 359.88	340-103071 580.97	350-103071 727.89
	10X8	---	320-103072 317.79	330-103072 399.72	340-103072 652.81	350-103072 821.79
	12	---	320-103080 527.06	330-103080 628.93	---	---
	12X4	---	320-103076 349.90	330-103076 428.56	340-103076 694.74	350-103076 872.57
	12X6	---	320-103077 373.15	330-103077 434.05	340-103077 764.35	350-103077 960.97
	12X8	---	320-103078 413.00	330-103078 457.31	340-103078 847.19	350-103078 1054.84
	12X10	---	320-103079 470.60	330-103079 513.79	340-103079 958.76	350-103079 1194.01
	12X12	---	---	---	340-103080 1124.39	---

Tee (Gasket x Gasket x Gasket)

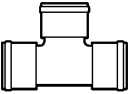
	4	---	320-103170 132.86	330-103170 181.53	340-103170 208.77	350-103170 258.47
	6	---	320-103174 155.02	330-103174 205.96	340-103174 347.93	350-103174 377.73
	6X4	---	320-103173 137.31	330-103173 194.86	340-103173 300.43	350-103173 322.52
	8	---	320-103179 274.59	330-103179 297.12	340-103179 542.33	350-103179 639.53
	8X4	---	320-103177 205.96	330-103177 229.20	340-103177 425.28	350-103177 472.72
	8X6	---	320-103178 211.45	330-103178 259.09	340-103178 472.72	350-103178 522.48
	10	---	320-103185 399.72	330-103185 502.68	340-103185 889.16	350-103185 1043.82
	10X4	---	320-103182 306.72	330-103182 380.90	340-103182 667.15	350-103182 680.39
	10X6	---	320-103183 328.87	330-103183 397.50	340-103183 708.02	350-103183 738.98
	10X8	---	320-103184 357.65	330-103184 462.86	340-103184 791.98	350-103184 832.84
	12	---	320-103192 555.87	330-103192 727.48	340-103192 1236.01	350-103192 1443.67
	12X4	---	320-103188 391.95	330-103188 462.86	340-103188 847.19	350-103188 885.85
	12X6	---	320-103189 401.96	330-103189 476.11	340-103189 925.60	350-103189 979.74
	12X8	---	320-103190 423.00	330-103190 571.38	340-103190 1014.18	350-103190 1071.40
	12X10	---	320-103191 502.68	330-103191 609.03	340-103191 1138.83	350-103191 1212.79

Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

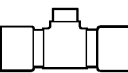


	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

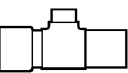
Tee (Gasket x Gasket x Gasket) (continued)

	12X10	---	320-103191 502.68	330-103191 609.03	340-103191 1138.83	350-103191 1212.79
---	--------------	-----	-----------------------------	-----------------------------	------------------------------	------------------------------

Reinforced Tee (Soc x Soc x Fipt)

	6X2	---	---	330-202152 77.51	---	---
	6X3	---	---	330-202154 88.59	---	---
	6X4	---	---	330-202155 100.73	---	---
	8X2	---	---	330-202157 111.82	---	---
	8X3	---	---	330-202159 130.64	---	---
	8X4	---	---	330-202160 142.79	---	---
	10X2	---	---	330-202162 172.70	---	---
	10X3	---	---	330-202164 201.52	---	---
	10X4	---	---	330-202165 220.32	---	---
	12X2	---	---	330-202167 249.16	---	---
	12X3	---	---	330-202169 277.94	---	---
	12X4	---	---	330-202170 306.72	---	---

Reinforced Tee (Soc x Spigot x Fipt)

	6X2	---	---	330-202222 77.51	---	---
	6X3	---	---	330-202224 88.59	---	---
	6X4	---	---	330-202225 100.73	---	---
	8X2	---	---	330-202227 110.71	---	---
	8X3	---	---	330-202229 123.96	---	---
	8X4	---	---	330-202230 136.15	---	---
	10X2	---	---	330-202232 163.86	---	---
	10X3	---	---	330-202234 191.53	---	---
	10X4	---	---	330-202235 211.45	---	---
	12X2	---	---	330-202237 236.94	---	---
	12X3	---	---	330-202239 264.64	---	---
	12X4	---	---	330-202240 294.55	---	---

Reinforced Tee (Gasket x Spigot x Fipt)

	6X2	---	---	330-202362 132.86	---	---
	6X3	---	---	330-202364 151.66	---	---
	6X4	---	---	330-202365 160.56	---	---
	8X2	---	---	330-202367 166.07	---	---
	8X3	---	---	330-202369 177.19	---	---
	8X4	---	---	330-202370 189.35	---	---
	10X2	---	---	330-202372 251.35	---	---



Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Reinforced Tee (Gasket x Spigot x Fipt) (continued)

	10X2	---	---	330-202372 251.35	---	---
	10X3	---	---	330-202374 271.27	---	---
	10X4	---	---	330-202375 297.85	---	---
	12X2	---	---	330-202377 343.24	---	---
	12X3	---	---	330-202379 372.03	---	---
	12X4	---	---	330-202380 399.72	---	---

Reinforced Tee (Gasket x Gasket x Fipt)

	6X2	---	---	330-202432 160.56	---	---
	6X3	---	---	330-202434 171.61	---	---
	6X4	---	---	330-202435 182.68	---	---
	8X2	---	---	330-202437 200.41	---	---
	8X3	---	---	330-202439 211.45	---	---
	8X4	---	---	330-202440 229.20	---	---
	10X2	---	---	330-202442 312.26	---	---
	10X3	---	---	330-202444 328.87	---	---
	10X4	---	---	330-202445 363.18	---	---
	12X2	---	---	330-202447 423.00	---	---
	12X3	---	---	330-202449 462.86	---	---
	12X4	---	---	330-202450 483.93	---	---

90° Elbow (Soc x Soc)

	6	310-100812 75.29	320-100812 97.40	330-100812 108.49	340-100812 279.44	350-100812 302.65
	8	310-100813 102.96	320-100813 149.48	330-100813 178.24	340-100813 387.71	350-100813 439.61
	10	310-100814 160.56	320-100814 233.63	330-100814 282.35	340-100814 589.84	350-100814 724.57
	12	310-100815 229.20	320-100815 325.51	330-100815 431.85	340-100815 854.91	350-100815 972.02
	15	310-100816* 428.56	---	---	---	---

* 15" PIP O.D.

90° Elbow (Gasket x Spigot)

	4	---	---	330-100877 168.15	---	---
	6	---	320-100878 197.11	330-100878 226.99	340-100878 370.00	350-100878 388.80
	8	---	320-100879 298.97	330-100879 366.53	340-100879 527.96	350-100879 566.65
	10	---	320-100880 435.17	330-100880 576.87	340-100880 764.35	350-100880 933.33
	12	---	320-100881 583.55	330-100881 687.64	340-100881 1027.27	350-100881 1180.76

90° Elbow (Gasket x Gasket)

	4	---	---	330-100899 168.15	340-100899 250.72	350-100899 278.38
	6	---	320-100900 197.11	330-100900 226.99	340-100900 370.00	350-100900 388.80
	8	---	320-100901 298.97	330-100901 366.53	340-100901 527.96	350-100901 566.65
	10	---	320-100902 435.17	330-100902 576.87	340-100902 764.35	350-100902 933.33
	12	---	320-100903 583.55	330-100903 687.64	3406-1202 855.60	350-100903 1180.76

Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

11-1/4" Elbow (Soc x Soc)

	4	---	---	330-100113 32.07	340-100113 35.51	350-100113 42.60
	6	310-100114 28.74	320-100114 37.66	330-100114 45.37	340-100114 49.69	350-100114 53.00
	8	310-100115 45.37	320-100115 57.57	330-100115 89.65	340-100115 86.15	350-100115 97.19
	10	310-100116 64.19	320-100116 91.87	330-100116 127.34	340-100116 149.13	350-100116 199.88
	12	310-100117 104.03	320-100117 143.95	330-100117 207.09	340-100117 234.16	350-100117 333.59
	15	310-100118 174.94	---	---	---	---

11-1/4" Elbow (Gasket x Spigot)

	4	---	---	330-100185 115.19	340-100185 127.82	350-100185 157.29
	6	---	320-100186 128.43	330-100186 160.56	340-100186 177.53	350-100186 194.40
	8	---	320-100187 157.23	330-100187 240.28	340-100187 260.36	350-100187 313.69
	10	---	320-100188 269.09	330-100188 319.99	340-100188 370.00	350-100188 544.51
	12	---	320-100189 359.88	330-100189 434.05	340-100189 539.03	350-100189 750.01

11-1/4" Elbow (Gasket x Gasket)

	4	---	---	330-100209 115.19	340-100209 127.82	350-100209 157.29
	6	---	320-100210 128.43	330-100210 160.56	340-100210 177.53	350-100210 194.40
	8	---	320-100211 157.23	330-100211 240.28	340-100211 260.36	350-100211 313.69
	10	---	320-100212 269.09	330-100212 319.99	340-100212 370.00	350-100212 544.51
	12	---	320-100213 359.88	330-100213 434.05	340-100213 539.03	350-100213 750.01

15" Elbow (Soc x Soc)

	4	---	---	330-100233 32.07	340-100233 35.51	350-100233 42.60
	6	310-100234 28.74	320-100234 37.66	330-100234 45.37	340-100234 49.69	350-100234 53.00
	8	310-100235 45.37	320-100235 57.57	330-100235 69.72	340-100235 86.15	350-100235 99.10
	10	310-100236 64.19	320-100236 91.87	330-100236 127.34	340-100236 149.13	350-100236 199.88
	12	310-100237 104.03	320-100237 143.95	330-100237 207.09	340-100237 234.16	350-100237 333.59
	15	310-100238* 174.94	---	---	---	---

* 15" PIP O.D.

15" Elbow (Gasket x Spigot)

	4	---	---	330-100305 115.19	340-100305 127.82	350-100305 157.29
	6	---	320-100306 128.43	330-100306 160.56	340-100306 177.53	350-100306 194.40
	8	---	320-100307 157.23	330-100307 240.28	340-100307 260.36	350-100307 313.69
	10	---	320-100308 269.09	330-100308 319.99	340-100308 370.00	350-100308 544.51
	12	---	320-100309 359.88	330-100309 434.05	340-100309 539.03	350-100309 750.01

15" Elbow (Gasket x Gasket)

	4	---	---	330-100329 115.19	340-100329 127.82	350-100329 157.29
	6	---	320-100330 128.43	330-100330 160.56	340-100330 177.53	350-100330 194.40
	8	---	320-100331 169.00	330-100331 240.28	340-100331 260.36	350-100331 313.69
	10	---	320-100332 250.56	330-100332 319.99	340-100332 370.00	350-100332 544.51
	12	---	320-100333 361.30	330-100333 434.05	340-100333 539.03	350-100333 750.01



Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

22-1/2° Elbow (Soc x Soc)

	4	---	---	330-100353 32.07	340-100353 35.51	350-100353 42.60
	6	310-100354 28.74	320-100354 37.66	330-100354 45.37	340-100354 49.69	350-100354 53.00
	8	310-100355 45.37	320-100355 57.57	330-100355 69.72	340-100355 86.15	350-100355 99.10
	10	310-100356 64.19	320-100356 91.87	330-100356 127.34	340-100356 149.13	350-100356 199.88
	12	310-100357 104.03	320-100357 143.95	330-100357 207.09	340-100357 234.16	350-100357 333.59
	15	310-100358* 174.94	---	---	---	---

* 15" PIP O.D.

22-1/2° Elbow (Gasket x Spigot)

	4	---	---	330-100425 115.19	340-100425 127.82	350-100425 157.29
	6	---	320-100426 128.43	330-100426 160.56	340-100426 177.53	350-100426 194.40
	8	---	320-100427 157.23	330-100427 240.28	340-100427 260.36	350-100427 313.69
	10	---	320-100428 269.09	330-100428 319.99	340-100428 370.00	350-100428 544.51
	12	---	320-100429 359.88	330-100429 434.05	340-100429 539.03	350-100429 750.01

22-1/2° Elbow (Gasket x Gasket)

	4	---	---	330-100449 115.19	340-100449 127.82	350-100449 157.29
	6	---	320-100450 128.43	330-100450 160.56	340-100450 177.53	350-100450 194.40
	8	---	320-100451 157.23	330-100451 240.28	340-100451 260.36	350-100451 313.69
	10	---	320-100452 269.09	330-100452 319.99	340-100452 370.00	350-100452 544.51
	12	---	320-100453 359.88	330-100453 434.05	340-100453 539.03	350-100453 750.01

30° Elbow (Soc x Soc)

	4	---	---	330-100473 39.84	340-100473 83.89	350-100473 139.47
	6	310-100474 39.84	320-100474 49.84	330-100474 56.45	340-100474 205.45	350-100474 248.29
	8	310-100475 58.65	320-100475 83.04	330-100475 87.45	340-100475 279.44	350-100475 333.59
	10	310-100476 85.26	320-100476 127.34	330-100476 180.48	340-100476 432.99	350-100476 522.48
	12	310-100477 138.41	320-100477 186.01	330-100477 264.64	340-100477 627.38	350-100477 730.11
	15	310-100478 207.09	---	---	---	---

30° Elbow (Gasket x Spigot)

	4	---	---	330-100545 132.17	340-100545 159.05	350-100545 166.78
	6	---	320-100546 171.61	330-100546 182.68	340-100546 236.38	350-100546 289.37
	8	---	320-100547 211.45	330-100547 256.88	340-100547 347.93	350-100547 430.76
	10	---	320-100548 297.85	330-100548 377.55	340-100548 577.67	350-100548 719.10
	12	---	320-100549 411.93	330-100549 548.10	340-100549 764.35	350-100549 902.43

30° Elbow (Gasket x Gasket)

	4	---	---	330-100569 132.17	340-100569 159.05	350-100569 166.78
	6	---	320-100570 171.61	330-100570 182.68	340-100570 236.38	350-100570 289.37
	8	---	320-100571 211.45	330-100571 256.88	340-100571 347.93	350-100571 430.76
	10	---	320-100572 297.85	330-100572 377.55	340-100572 577.67	350-100572 719.10
	12	---	320-100573 411.93	330-100573 548.10	340-100573 764.35	350-100573 902.43

Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

45° Elbow (Soc x Soc)

	6	310-100592 39.84	320-100592 49.84	330-100592 56.45	340-100592 205.45	350-100592 214.26
	8	310-100593 58.65	320-100593 83.04	330-100593 87.45	340-100593 279.44	350-100593 333.59
	10	310-100594 85.26	320-100594 127.34	330-100594 180.48	340-100594 432.99	350-100594 522.48
	12	310-100595 138.41	320-100595 186.01	330-100595 264.64	340-100595 627.38	350-100595 730.11
	15	310-100596* 207.09	---	---	---	---

* 15" PIP O.D.

45° Elbow (Gasket x Spigot)

	4	---	---	330-100657 132.17	340-100657 159.05	350-100657 166.78
	6	---	320-100658 134.04	330-100658 182.68	340-100658 236.38	350-100658 289.37
	8	---	320-100659 189.97	330-100659 256.88	340-100659 347.93	350-100659 430.76
	10	---	320-100660 272.71	330-100660 377.55	340-100660 577.67	350-100660 717.37
	12	---	320-100661 388.11	330-100661 548.10	340-100661 764.35	350-100661 902.43

45° Elbow (Gasket x Gasket)

	4	---	---	330-100679 132.17	340-100679 159.05	350-100679 166.78
	6	---	320-100680 134.04	330-100680 182.68	340-100680 236.38	350-100680 289.37
	8	---	320-100681 189.97	330-100681 256.88	340-100681 347.93	350-100681 430.76
	10	---	320-100682 272.71	330-100682 377.55	340-100682 577.67	350-100682 719.10
	12	---	320-100683 411.90	330-100683 548.10	340-100683 764.35	350-100683 902.43

60° Elbow (Soc x Soc)

	4	---	---	330-100701 71.26	---	---
	6	310-100702 75.29	320-100702 97.40	330-100702 108.49	340-100702 279.44	350-100702 302.65
	8	310-100703 102.96	320-100703 149.48	330-100703 178.24	340-100703 387.71	350-100703 439.61
	10	310-100704 160.56	320-100704 233.63	330-100704 282.35	340-100704 589.84	350-100704 724.57
	12	310-100705 229.20	320-100705 325.51	330-100705 431.85	340-100705 854.91	350-100705 972.02
	15	310-100706* 428.56	---	---	---	---

* 15" PIP O.D.

60° Elbow (Gasket x Spigot)

	4	---	---	330-100767 168.15	340-100767 250.72	350-100767 278.38
	6	---	320-100768 197.11	330-100768 226.99	340-100768 370.00	350-100768 388.80
	8	---	320-100769 298.97	330-100769 366.53	340-100769 527.96	350-100769 566.65
	10	---	320-100770 435.17	330-100770 576.87	340-100770 764.35	350-100770 933.33
	12	---	320-100771 583.55	330-100771 687.64	340-100771 1027.27	350-100771 1180.76

60° Elbow (Gasket x Gasket)

	4	---	---	330-100789 168.15	340-100789 250.72	350-100789 278.38
	6	---	320-100790 197.11	330-100790 226.99	340-100790 370.00	350-100790 388.80
	8	---	320-100791 298.97	330-100791 366.53	340-100791 527.96	350-100791 566.65
	10	---	320-100792 435.17	330-100792 576.87	340-100792 764.35	350-100792 933.33
	12	---	320-100793 583.55	330-100793 687.64	340-100793 1027.27	350-100793 1180.76



Fabricated Fittings

PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code 340	CLASS 100 Disc Code 350	CLASS 125 Disc Code 360	CLASS 160 Disc Code 370	CLASS 200 Disc Code 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Coupling (Soc x Soc)

	6	310-100002 21.04	320-100002 25.43	330-100002 28.74	340-100002 34.22	350-100002 41.99
	8	310-100003 36.52	320-100003 44.27	330-100003 47.62	340-100003 62.99	350-100003 80.62
	10	310-100004 43.19	320-100004 73.07	330-100004 87.45	340-100004 100.02	350-100004 175.63
	12	310-100005 66.43	320-100005 114.03	330-100005 140.64	340-100005 160.17	350-100005 263.99
	15	310-100006* 99.66	---	---	---	---

* 15" PIP O.D.

Coupling (Gasket x Spigot)

	4	---	320-100067 38.73	330-100067 49.84	340-100067 55.61	350-100067 67.34
	6	---	320-100068 60.86	330-100068 66.43	340-100068 89.48	350-100068 94.99
	8	---	320-100069 98.53	330-100069 119.55	340-100069 142.50	350-100069 159.05
	10	---	320-100070 130.64	330-100070 159.44	340-100070 208.77	350-100070 263.99
	12	---	320-100071 180.48	330-100071 217.02	340-100071 313.69	350-100071 377.73

Coupling (Gasket x Gasket)

	4	---	320-100089 60.86	330-100089 71.96	340-100089 78.88	350-100089 86.76
	6	---	320-100090 91.87	330-100090 102.96	340-100090 108.20	350-100090 136.95
	8	---	320-100091 137.31	330-100091 149.48	340-100091 162.03	350-100091 181.15
	10	---	320-100092 194.86	330-100092 217.02	340-100092 261.80	350-100092 313.69
	12	---	320-100093 256.88	330-100093 297.85	340-100093 344.62	350-100093 467.20

Reducer Coupling (Soc x Soc)

	6X4	310-100926 28.74	320-100926 32.07	330-100926 36.52	340-100926 38.62	350-100926 48.59
	8X6	310-100928 37.66	320-100928 50.90	330-100928 56.45	340-100928 61.84	350-100928 67.34
	10X8	310-100931 53.13	320-100931 101.12	330-100931 90.78	340-100931 114.86	350-100931 136.95
	12X10	310-100935 93.03	320-100935 138.41	330-100935 172.70	340-100935 210.96	350-100935 225.33
	15X12	310-100940** 174.94	---	---	---	---

** 15" PIP O.D. x IPS

Reducer Coupling (Gasket x Spigot)

	6X4	---	320-101310 91.68	330-101310 108.49	340-101310 126.99	350-101310 140.27
	8X6	---	320-101312 131.72	330-101312 160.56	340-101312 197.69	350-101312 219.81
	10X8	---	320-101315 182.68	330-101315 217.02	340-101315 271.73	350-101315 309.26
	12X10	---	320-101319 259.09	330-101319 312.26	340-101319 439.61	350-101319 495.94

Reducer Coupling (Spigot x Gasket)

	6X4	---	320-101383 86.35	330-101383 97.40	340-101383 106.05	350-101383 121.48
	8X6	---	320-101385 115.19	330-101385 137.31	340-101385 175.63	350-101385 199.88
	10X8	---	320-101388 171.61	330-101388 211.45	340-101388 255.17	350-101388 300.43
	12X10	---	320-101392 256.88	330-101392 294.55	340-101392 414.20	350-101392 485.99

Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Reducer Coupling (Gasket x Gasket)

	6X4	---	320-101456 115.19	330-101456 126.19	340-101456 149.13	350-101456 163.46
	8X6	---	320-101458 166.07	330-101458 182.68	340-101458 239.67	350-101458 261.80
	10X8	---	320-101461 229.20	330-101461 285.67	340-101461 342.37	350-101461 500.36
	12X10	---	320-101465 317.79	330-101465 359.88	340-101465 454.60	350-101465 744.48

Repair Coupling (Gasket x Gasket)

	4	---	3228-040 67.24	3328-040 71.96	3428-040 95.04	3528-040 115.29
	6	---	3228-060 94.20	3328-060 97.40	3428-060 121.55	3528-060 140.79
	8	---	3228-080 143.74	3328-080 149.48	3428-080 174.01	3528-080 189.66
	10	---	3228-100 205.22	3328-100 222.56	3428-100 274.04	3528-100 304.22
	12	---	3228-120 274.94	3328-120 297.85	3428-120 356.80	3528-120 424.88
	14	---	3228-140 394.85	3328-140 415.45	3428-140 450.95	---
	16	---	3228-160 520.64	3328-160 591.43	3428-160 641.51	---

Cross (Soc x Soc x Soc x Soc)

	4X2	---	320-103280 55.34	330-103280 83.04	---	---
	4X3	---	320-103281 60.86	330-103281 85.81	---	---
	6	310-103286 91.87	320-103286 159.44	330-103286 180.48	340-103286 372.21	350-103286 408.67
	6X2	310-103283 63.12	320-103283 68.66	330-103283 91.87	340-103283 272.83	350-103283 275.04
	6X3	310-103284 71.96	320-103284 86.35	330-103284 115.19	340-103284 283.86	350-103284 289.37
	6X4	310-103285 77.51	320-103285 97.40	330-103285 131.72	340-103285 305.96	350-103285 328.06
	8	310-103291 119.55	320-103291 207.09	330-103291 251.35	340-103291 561.10	350-103291 599.78
	8X2	310-103287 80.81	320-103287 102.96	330-103287 115.19	340-103287 350.16	350-103287 355.51
	8X3	310-103288 86.35	320-103288 115.19	330-103288 126.19	340-103288 361.17	350-103288 399.85
	8X4	310-103289 98.53	320-103289 131.72	330-103289 151.66	340-103289 386.57	350-103289 421.91
	8X6	310-103290 108.49	320-103290 160.56	330-103290 190.45	340-103290 450.67	350-103290 483.80
	10	310-103297 193.77	320-103297 308.91	330-103297 434.05	340-103297 927.83	350-103297 989.36
	10X2	310-103292 98.53	320-103292 142.79	330-103292 169.40	340-103292 542.33	350-103292 588.76
	10X3	310-103293 108.49	320-103293 161.64	330-103293 203.71	340-103293 550.06	350-103293 603.06
	10X4	310-103294 119.55	320-103294 180.48	330-103294 230.31	340-103294 597.54	350-103294 632.91
	10X6	310-103295 132.86	320-103295 200.41	330-103295 267.96	340-103295 667.15	350-103295 705.82
	10X8	310-103296 151.66	320-103296 245.81	330-103296 333.30	340-103296 750.01	350-103296 803.01
	12	310-103304 302.28	320-103304 476.11	330-103304 700.91	340-103304 1374.07	350-103304 1588.34
	12X2	310-103298 140.64	320-103298 188.23	330-103298 274.59	340-103298 689.27	350-103298 694.74
	12X3	310-103299 153.87	320-103299 217.02	330-103299 285.67	340-103299 725.83	350-103299 763.39
	12X4	310-103300 163.86	320-103300 259.50	330-103300 319.99	340-103300 819.56	350-103300 832.84
	12X6	310-103301 172.70	320-103301 270.16	330-103301 367.61	340-103301 900.20	350-103301 916.79
	12X8	310-103302 199.30	320-103302 315.56	330-103302 431.85	340-103302 1005.12	350-103302 1027.27
	12X10	310-103303 238.02	320-103303 391.95	330-103303 548.10	340-103303 1152.02	350-103303 1194.01

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

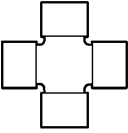
Page 643



Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

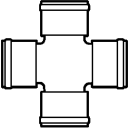
Cross (Soc x Soc x Soc x Soc) (continued)

	15	310-103321* 513.79	---	---	---	---
	15X2	310-103313** 221.44	---	---	---	---
	15X3	310-103314** 249.16	---	---	---	---
	15X4	310-103315** 274.59	---	---	---	---
	15X6	310-103316** 314.48	---	---	---	---
	15X8	310-103317** 343.24	---	---	---	---
	15X10	310-103318** 372.03	---	---	---	---
	15X12	310-103319** 411.93	---	---	---	---

* 15" PIP O.D.

** 15" PIP O.D. x IPS

Cross (Gasket x Gasket x Gasket x Gasket)

	4	---	320-103997 193.77	330-103997 210.39	340-103997 263.00	350-103997 284.04
	6	---	320-104001 225.86	330-104001 283.44	340-104001 472.72	350-104001 599.78
	6X4	---	320-104000 204.85	330-104000 260.20	340-104000 372.21	350-104000 467.20
	8	---	320-104006 369.84	330-104006 423.00	340-104006 733.44	350-104006 911.28
	8X4	---	320-104004 276.81	330-104004 321.09	340-104004 508.04	350-104004 610.81
	8X6	---	320-104005 332.16	330-104005 365.37	340-104005 609.71	350-104005 711.32
	10	---	320-104012 555.87	330-104012 735.28	340-104012 1221.63	350-104012 1360.80
	10X4	---	320-104009 387.54	330-104009 470.60	340-104009 660.51	350-104009 788.67
	10X6	---	320-104010 442.89	330-104010 487.21	340-104010 808.54	350-104010 900.20
	10X8	---	320-104011 498.29	330-104011 636.71	340-104011 994.11	350-104011 1027.27
	12	---	320-104019 754.06	330-104019 1032.04	340-104019 1702.11	350-104019 1916.39
	12X4	---	320-104015 553.65	330-104015 609.03	340-104015 968.66	350-104015 1111.17
	12X6	---	320-104016 609.03	330-104016 642.23	340-104016 1110.70	350-104016 1185.18
	12X8	---	320-104017 664.37	330-104017 752.97	340-104017 1253.63	350-104017 1281.28
	12X10	---	320-104018 708.69	330-104018 907.99	340-104018 1469.07	350-104018 1499.99

Surface Reducer (Soc)

	6X2	310-102013 30.99	---	330-102013 44.27	---	---
	6X3	310-102015 30.99	---	330-102015 44.27	---	---
	6X4	310-102016 30.99	---	---	---	---
	8X2	310-102018 42.02	---	330-102018 88.59	---	---
	8X3	310-102020 42.02	---	330-102020 88.59	---	---
	8X4	310-102021 42.02	---	330-102021 88.59	---	---
	8X6	310-102022 42.02	---	3340-585 88.59	---	---
	10X2	310-102024 67.52	---	330-102024 138.41	---	---
	10X3	310-102026 67.52	---	330-102026 138.41	---	---
	10X4	310-102027 67.52	---	330-102027 138.41	---	---
	10X6	310-102028 67.52	---	330-102028 138.41	---	---

Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Surface Reducer (Soc) (continued)

	10X8	310-102029 67.52	---	330-102029 138.41	---	---
	12X2	310-102031 83.04	---	330-102031 249.16	---	---
	12X3	310-102033 83.04	---	330-102033 249.16	---	---
	12X4	310-102034 83.04	---	330-102034 249.16	---	---
	12X6	310-102035 83.04	---	330-102035 249.16	---	---
	12X8	310-102036 83.04	---	330-102036 249.16	---	---
	12X10	310-102037 83.04	---	330-102037 249.16	---	---

Cap (Soc)

	6	310-107540 21.04	---	330-107540 40.95	---	---
	8	310-107541 38.73	---	330-107541 53.13	---	---
	10	310-107542 66.43	---	330-107542 85.26	---	---
	12	310-107543 81.31	---	330-107543 163.86	---	---

Cap (Gasket)

	4	---	---	330-107565 74.71	---	---
	6	---	---	330-107566 106.27	---	---
	8	---	---	330-107567 180.48	---	---
	10	---	---	330-107568 291.18	---	---
	12	---	---	330-107569 439.59	---	---

Saddle (Soc)

	6	310-101937 29.90	---	---	---	---
	6X2	310-101789 23.22	---	330-101789 66.43	---	---
	6X3	310-101797 25.43	---	330-101797 77.51	---	---
	6X4	310-101804 28.74	---	330-101804 88.59	---	---
	8	310-101938 44.27	---	---	---	---
	8X2	310-101790 23.22	---	330-101790 66.43	---	---
	8X3	310-101798 25.43	---	330-101798 77.51	---	---
	8X4	310-101805 28.74	---	330-101805 88.59	---	---
	8X6	310-101811 29.90	---	330-101811 99.66	---	---
	10	310-101939 68.66	---	---	---	---
	10X2	310-101791 23.22	---	330-101791 66.43	---	---
	10X3	310-101799 25.43	---	330-101799 77.51	---	---
	10X4	310-101806 28.74	---	330-101806 88.59	---	---
	10X6	310-101812 29.90	---	330-101812 99.66	---	---
	10X8	310-101817 44.27	---	330-101817 110.71	---	---
	12	310-101940 102.71	---	---	---	---
	12X2	310-101792 31.14	---	330-101792 66.43	---	---



Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125

	Size	CLASS 63 Disc Code: 340	CLASS 100 Disc Code: 350	CLASS 125 Disc Code: 360	CLASS 160 Disc Code: 370	CLASS 200 Disc Code: 380
		Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each

Saddle (Soc) (continued)

	12X3	310-101800 25.43	---	330-101800 77.51	---	---
	12X4	310-101807 28.74	---	330-101807 88.59	---	---
	12X6	310-101813 29.90	---	330-101813 99.66	---	---
	12X8	310-101818 44.27	---	330-101818 110.71	---	---
	12X10	310-101822 68.66	---	330-101822 121.79	---	---

Stub Saddle (Soc)

	6	310-101949 48.69	---	---	---	---
	6X2	310-101884 32.07	---	330-101884 58.65	---	---
	6X3	310-101892 37.66	---	330-101892 64.19	---	---
	6X4	310-101899 43.19	---	330-101899 71.96	---	---
	8	310-101950 66.43	---	---	---	---
	8X2	310-101885 32.07	---	330-101885 58.65	---	---
	8X3	310-101893 37.66	---	330-101893 64.19	---	---
	8X4	310-101900 43.19	---	330-101900 71.96	---	---
	8X6	310-101906 48.69	---	330-101906 87.45	---	---
	10	310-101951 91.87	---	---	---	---
	10X2	310-101886 32.07	---	330-101886 58.65	---	---
	10X3	310-101894 37.66	---	330-101894 64.19	---	---
	10X4	310-101901 43.19	---	330-101901 71.96	---	---
	10X6	310-101907 48.69	---	330-101907 87.45	---	---
	10X8	310-101912 66.43	---	330-101912 100.73	---	---
	12	310-101952 115.19	---	---	---	---
	12X2	310-101887 32.07	---	330-101887 58.65	---	---
	12X3	310-101895 37.66	---	330-101895 64.19	---	---
	12X4	310-101902 43.19	---	330-101902 83.07	---	---
	12X6	310-101908 48.69	---	330-101908 87.45	---	---
	12X8	310-101913 66.43	---	330-101913 100.73	---	---
	12X10	310-101917 91.87	---	330-101917 106.27	---	---

Fabricated Fittings
PVC Class 63, 100, 125, 160 & 200 IPS Fabricated Fittings & Molded Class 125



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Tee, Class 125 Molded



12501-100	10	1	0	361	359.77
12501-120	12	1	0	361	539.62

90° Elbow, Class 125 Molded



12506-100	10	1	0	361	301.77
12506-120	12	1	0	361	461.55

45° Elbow, Class 125 Molded



12517-100	10	1	0	361	192.89
12517-120	12	1	0	361	282.84

Coupling, Class 125 Molded



12529-100	10	1	0	361	93.47
12529-120	12	1	0	361	150.33

Reducer Coupling, Class 125 Molded



12529-626	10X6	2	0	361	155.84
12529-628	10X8	4	0	361	97.05
12529-668	12X8	2	0	361	231.88
12529-670	12X10	2	0	361	184.60

Reducer Bushing, Class 125 Molded



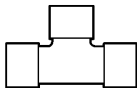
12537-626	10X6	1	2	361	147.94
12537-628	10X8	4	0	361	147.94
12537-668	12X8	1	2	361	266.31
12537-670	12X10	1	2	361	264.70



Fabricated Fittings
PVC Schedule 40 & 80 DWV Fabricated Fittings

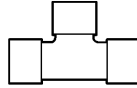
Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

TEE (Soc x Soc x Soc)

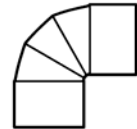
	6	3701-060 110.71	3901-060 192.55
	6X2	3701-528' 95.67	3901-528 143.46
	6X3	3701-530' 100.49	3901-530 150.21
	6X4	3701-532 105.11	3901-532 155.95
	8	3701-080 180.35	3901-080 305.62
	8X2	3701-578' 112.49	3901-578 200.93
	8X3	3701-580' 117.96	3901-580 226.39
	8X4	3701-582 121.17	3901-582 231.44
	8X6	3701-585 131.48	3901-585 240.28
	10	3701-100 350.77	3901-100 476.69
	10X2	3701-621' 183.12	3901-621 283.51
	10X3	3701-623' 186.51	3901-623 308.79
	10X4	3701-624 191.07	3901-624 349.32
	10X6	3701-626 233.56	3901-626 426.85
	10X8	3701-628 313.11	3901-628 447.31
	12	3701-120 466.17	3901-120 656.79
	12X2	3701-661' 244.48	3901-661 351.10
	12X3	3701-663' 248.09	3901-663 409.17
	12X4	3701-664 254.33	3901-664 464.87
	12X6	3701-666 295.40	3901-666 540.86
	12X8	3701-668 352.84	3901-668 595.50
	12X10	3701-670 402.07	3901-670 603.30
	14	3701-140' 916.36	3901-140 1179.59
	14X2	3701-691' 387.72	3901-691 621.73
	14X3	3701-693' 429.13	3901-693 695.59
	14X4	3701-694' 478.43	3901-694 765.55
	14X6	3701-696' 561.48	3901-696 898.39
	14X8	3701-698' 669.44	3901-698 1076.36
	14X10	3701-700' 760.96	3901-700 1132.32
	14X12	3701-702' 900.20	3901-702 1143.32
	16	3701-160 1297.13	3901-160 1858.31
	16X2	3701-751 552.88	3901-751 797.09
	16X3	3701-753 558.94	3901-753 881.66
	16X4	3701-754 593.33	3901-754 949.27
	16X6	3701-756 641.80	3901-756 1026.80
	16X8	3701-758 751.34	3901-758 1202.80
	16X10	3701-760 944.45	3901-760 1346.67

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

TEE (Soc x Soc x Soc) (continued)

	16X12	3701-762 1072.44	3901-762 1707.23
	16X14	3701-764 1272.74	3901-764 1765.37
	18	3701-180 1612.00	3901-180 2006.31
	18X4	3701-784 947.53	3901-784 1101.71
	18X6	3701-786 962.53	3901-786 1246.67
	18X8	3701-788 1002.03	3901-788 1293.34
	18X10	3701-790 1129.40	3901-790 1306.93
	18X12	3701-792 1203.17	3901-792 1606.62
	18X14	3701-794 1290.49	3901-794 1847.55
	18X16	3701-796 1385.13	3901-796 1887.88
	20	3701-200 2146.70	3901-200 2887.18
	20X4	3701-814 1145.17	3901-814 1529.59
	20X6	3701-816 1211.77	3901-816 1724.96
	20X8	3701-818 1280.45	3901-818 2118.45
	20X10	3701-820 1374.15	3901-820 2188.67
	20X12	3701-822 1455.04	3901-822 2311.86
	20X14	3701-824 1570.19	3901-824 2514.57
	20X16	3701-826 1672.01	3901-826 2560.44
	20X18	3701-828 1844.28	3901-828 2768.27
	24	3701-240 2674.43	3901-240 3463.00
	24X4	3701-904 1576.88	3901-904 1896.26
	24X6	3701-906 1657.51	3901-906 2138.54
	24X8	3701-908 1758.49	3901-908 2313.36
	24X10	3701-910 1857.78	3901-910 2517.20
	24X12	3701-912 1957.64	3901-912 2648.74
	24X14	3701-914 2091.70	3901-914 2936.91
	24X16	3701-916 2212.46	3901-916 3030.54
	24X18	3701-918 2403.67	3901-918 3178.38
	24X20	3701-920 2580.67	3901-920 3324.62

90° ELBOW (Soc x Soc)

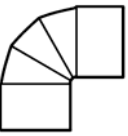
	6	3706-060 109.30	3906-060 141.49
	8	3706-080 151.84	3906-080 237.64
	10	3706-100 240.02	3906-100 469.12
	12	3706-120 369.21	3906-120 684.10
	14	3706-140' 494.47	3906-140 1006.52
	16	3706-160 733.28	3906-160 1251.81
	18	3706-180 1090.59	3906-180 1611.51

Fabricated Fittings
PVC Schedule 40 & 80 DWV Fabricated Fittings

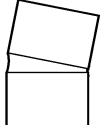


Size	SCH 40 LOW PR	SCH 80 LOW PR
	Disc Code: 390 Part Number Price Each	Disc Code: 400 Part Number Price Each

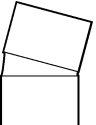
90° ELBOW (Soc x Soc) (continued)

	20	3706-200 1226.65	3906-200 1900.03
	24	3706-240 1533.97	3906-240 2842.99

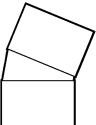
11-1/4° ELBOW (Soc x Soc)

	4	3711-040 39.07	3911-040 53.13
	6	3711-060 62.77	3911-060 99.33
	8	3711-080 106.11	3911-080 162.59
	10	3711-100 160.11	3911-100 288.16
	12	3711-120 253.29	3911-120 421.16
	14	3711-140 398.21	3911-140 644.76
	16	3711-160 542.83	3911-160 861.86
	18	3711-180 607.52	3911-180 1112.61
	20	3711-200 805.84	3911-200 1426.34
	24	3711-240 1440.68	3911-240 1632.63

15° ELBOW (Soc x Soc)

	4	3718-040 39.07	3918-040 53.13
	6	3718-060 62.77	3918-060 99.33
	8	3718-080 106.11	3918-080 162.59
	10	3718-100 160.11	3918-100 288.16
	12	3718-120 253.29	3918-120 421.16
	14	3718-140 398.21	3918-140 644.76
	16	3718-160 542.83	3918-160 861.86
	18	3718-180 607.52	3918-180 1112.61
	20	3718-200 805.84	3918-200 1426.34
	24	3718-240 1440.68	3918-240 1632.63

22-1/2° ELBOW (Soc x Soc)

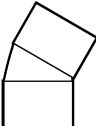
	4	3716-040 39.07	3916-040 53.13
	6	3716-060 62.77	3916-060 99.33
	8	3716-080 106.11	3916-080 162.59
	10	3716-100 160.11	3916-100 288.16
	12	3716-120 253.29	3916-120 421.16
	14	3716-140 398.21	3916-140 644.76
	16	3716-160 542.83	3916-160 861.86
	18	3716-180 651.90	3916-180 1112.61
	20	3716-200 805.84	3916-200 1426.34
	24	3716-240 1440.68	3916-240 1632.63

Size	SCH 40 DWV	SCH 80 DWV
	Disc Code: 390 Part Number Price Each	Disc Code: 400 Part Number Price Each

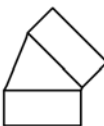
22-1/2° STREET ELL (Spig x Soc)

	6	3742-060 69.04	3942-060 109.23
	8	3742-080 116.71	3942-080 178.84
	10	3742-100 176.11	3942-100 316.99
	12	3742-120 278.61	3942-120 463.29
	14	3742-140 438.02	3942-140 709.24
	16	3742-160 431.09	3942-160 948.04
	18	3742-180 717.09	3942-180 1222.30
	20	3742-200 1092.49	3942-200 1679.19
	24	3742-240 1694.91	3942-240 1921.16

30° ELBOW (Soc x Soc)

	4	3715-040 39.07	3915-040 53.13
	6	3715-060 62.77	3915-060 99.33
	8	3715-080 106.11	3915-080 162.59
	10	3715-100 160.11	3915-100 288.16
	12	3715-120 253.29	3915-120 421.16
	14	3715-140 398.21	3915-140 644.76
	16	3715-160 542.83	3915-160 861.86
	18	3715-180 651.90	3915-180 1112.61
	20	3715-200 805.84	3915-200 1426.34
	24	3715-240 1440.68	3915-240 1632.63

45° ELBOW (Soc x Soc)

	4	3717-040 95.45	3917-040 116.79
	6	3717-060 101.45	3917-060 166.47
	8	3717-080 121.48	3917-080 178.88
	10	3717-100 199.80	3917-100 327.68
	12	3717-120 280.61	3917-120 468.44
	14	3717-140 486.55	3917-140 673.20
	16	3717-160 600.76	3917-160 871.77
	18	3717-180 693.29	3917-180 1179.26
	20	3717-200 946.62	3917-200 1481.21
	24	3717-240 1257.83	3917-240 1743.77

45° STREET ELL (Spig x Soc)

	4	3727-040 95.45	3927-040 116.79
	6	3727-060 101.45	3927-060 166.47
	8	3727-080 121.48	3927-080 178.88
	10	3727-100 199.80	3927-100 327.68
	12	3727-120 280.61	3927-120 468.44
	14	3727-140 486.55	3927-140 673.20



Fabricated Fittings PVC Schedule 40 & 80 DWV Fabricated Fittings

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

45° STREET ELL (Spig x Soc) (continued)

	16	3727-160 600.76	3927-160 871.77
	18	3727-180 693.29	3927-180 1179.26
	20	3727-200 946.62	3927-200 1481.21
	24	3727-240 1257.83	3927-240 1743.77

60° ELBOW (Soc x Soc)

	6	3724-060° 121.24	3924-060 176.85
	8	3724-080° 172.98	3924-080 297.10
	10	3724-100° 289.87	3924-100 556.88
	12	3724-120° 379.79	3924-120 819.63
	14	3724-140° 696.16	3924-140 1191.02
	16	3724-160 846.39	3924-160 1447.14
	18	3724-180 1087.36	3924-180 1611.51
	20	3724-200 1159.96	3924-200 1900.03
	24	3724-240 1494.50	3924-240 2029.83

90° STREET ELL (Spig x Soc)

	4	---	3909-040 133.13
	6	3709-060° 116.02	3909-060 157.77
	8	3709-080° 159.60	3909-080 259.82
	10	3709-100° 266.68	3909-100 514.97
	12	3709-120° 388.65	3909-120 756.59
	14	3709-140° 537.45	3909-140 1105.64
	16	3709-160 835.91	3909-160 1373.12
	18	3709-180 1208.94	3909-180 1768.33
	20	3709-200 1362.76	3909-200 2086.43
	24	3709-240 1704.09	3909-240 2229.04

COUPLING (Soc x Soc)

	8	3729-080 69.27	3929-080 153.35
	10	3729-100 85.18	3929-100 167.01
	12	3729-120 125.39	3929-120 192.51
	14	3729-140 203.61	3929-140 384.95
	16	3729-160 227.10	3929-160 457.66
	18	3729-180 387.28	3929-180 902.11
	20	3729-200 675.61	3929-200 1112.26
	24	3729-240 938.29	3929-240 1918.73

REPAIR COUPLING (Gasket x Gasket)

	4	3728-040 67.14	3928-040 78.44
	6	3728-060 93.39	3928-060 110.54
	8	3728-080 147.01	3928-080 187.00

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

REPAIR COUPLING (Gasket x Gasket) (continued)

	10	3728-100 193.96	3928-100 261.66
	12	3728-120 243.33	3928-120 332.52
	14	3728-140 422.24	3928-140 736.29
	16	3728-160 622.10	3928-160 1104.65
	18	3728-180 813.27	3928-180 1435.96
	20	3728-200 1262.90	3928-200 1723.17
	24	3728-240 1712.80	3928-240 2324.28

REDUCER COUPLING (Soc x Soc)

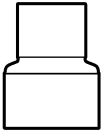
	6X2	3729-528° 100.74	3929-528 174.67
	6X3	3729-530° 99.16	3929-530 129.03
	6X4	3729-532° 35.98	3929-532 84.89
	8X2	3729-578° 169.45	3929-578 235.97
	8X3	3729-580° 156.87	3929-580 206.24
	8X4	3729-582° 89.18	3929-582 162.98
	8X6	3729-585° 76.65	3929-585 149.99
	10X4	3729-624° 201.24	3929-624 382.88
	10X6	3729-626° 187.54	3929-626 305.50
	10X8	3729-628° 131.26	3929-628 163.29
	12X4	3729-664° 378.38	3929-664 550.13
	12X6	3729-666° 286.90	3929-666 453.59
	12X8	3729-668° 252.50	3929-668 393.61
	12X10	3729-670° 191.07	3929-670 241.77
	14X4	3729-694° 608.91	3929-694 744.37
	14X6	3729-696° 589.49	3929-696 664.89
	14X8	3729-698° 426.71	3929-698 654.00
	14X10	3729-700° 360.39	3929-700 552.13
	14X12	3729-702° 320.05	3929-702 352.96
	16X4	3729-754° 651.72	3929-754 1093.81
	16X6	3729-756° 600.30	3929-756 1025.46
	16X8	3729-758° 546.24	3929-758 968.50
	16X10	3729-760° 487.84	3929-760 673.34
	16X12	3729-762° 442.89	3929-762 618.99
	16X14	3729-764° 384.10	3929-764 521.83
	18X6	3729-786° 1084.87	3929-786 1580.91
	18X8	3729-788° 920.14	3929-788 1462.96
	18X10	3729-790° 858.57	3929-790 1344.46
	18X12	3729-792° 803.86	3929-792 1123.63

Fabricated Fittings
PVC Schedule 40 & 80 DWV Fabricated Fittings

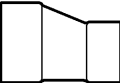


Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

REDUCER COUPLING (Soc x Soc) (continued)

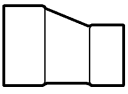
	18X14	3729-794 741.35	3929-794 1088.06
	18X16	3729-796 553.79	3929-796 930.04
	20X6	3729-816 1358.83	3929-816 2223.06
	20X8	3729-818 1315.98	3929-818 2197.33
	20X10	3729-820 1153.72	3929-820 2181.00
	20X12	3729-822 1137.91	3929-822 2045.36
	20X14	3729-824 1123.86	3929-824 2029.10
	20X16	3729-826 1060.22	3929-826 1625.01
	20X18	3729-828 936.64	3929-828 1120.57
	24X6	3729-906 2732.86	3929-906 3758.81
	24X8	3729-908 2654.56	3929-908 3727.45
	24X10	3729-910 2194.81	3929-910 3714.71
	24X12	3729-912 2122.45	3929-912 3654.69
	24X14	3729-914 2012.56	3929-914 3642.45
	24X16	3729-916 1847.93	3929-916 3502.51
	24X18	3729-918 1636.31	3929-918 2670.40
	24X20	3729-920 1230.10	3929-920 2394.88

ECCENTRIC REDUCER COUPLING (Soc x Soc)

	3X2	3729-338E 31.95	3929-338E 44.51
	4X2	3729-420E ² 43.39	3929-420E ² 113.55
	4X3	3729-422E 40.10	3929-422E 52.54
	6X2	3729-528E ^{3*} 97.94	3929-528E ³ 147.83
	6X3	3729-530E ^{2*} 90.21	3929-530E ² 143.62
	6X4	3729-532E ² 45.11	3929-532E 109.54
	8X3	3729-580E ^{3*} 186.07	3929-580E ³ 208.73
	8X4	3729-582E ^{2*} 92.91	3929-582E ² 189.46
	8X6	3729-585E ⁺ 75.11	3929-585E 145.69
	10X4	3729-624E ^{2*} 212.45	3929-624E ³ 320.61
	10X6	3729-626E ⁺ 195.34	3929-626E ² 272.11
	10X8	3729-628E ⁺ 184.17	3929-628E 251.44
	12X4	3729-664E ^{3*} 396.38	3929-664E ⁴ 490.28
	12X6	3729-666E ^{2*} 325.70	3929-666E ³ 403.49
	12X8	3729-668E ^{2*} 215.98	3929-668E ² 348.59
	12X10	3729-670E ⁺ 187.26	3929-670E 222.82
	14X6	3729-696E ³ 661.64	3929-696E ⁴ 798.65
	14X8	3729-698E ³ 541.99	3929-698E ³ 714.44
	14X10	3729-700E ² 492.01	3929-700E ² 517.24

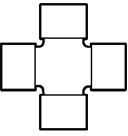
Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

ECCENTRIC REDUCER COUPLING (Soc x Soc) (continued)

	14X12	3729-702E 300.79	3929-702E 475.68
	16X6	3729-756E ³ 691.36	3929-756E ⁵ 1475.54
	16X8	3729-758E ³ 681.67	3929-758E ³ 1351.18
	16X10	3729-760E ² 504.07	3929-760E ³ 982.94
	16X12	3729-762E 479.65	3929-762E ² 872.69
	16X14	3729-764E 426.20	3929-764E 675.95
	18X6	3729-786E ⁴ 982.67	3929-786E ⁶ 2036.86
	18X8	3729-788E ⁴ 968.12	3929-788E ⁵ 1949.82
	18X10	3729-790E ³ 898.80	3929-790E ⁴ 1822.05
	18X12	3729-792E ² 811.16	3929-792E ³ 1626.32
	18X14	3729-794E ² 717.18	3929-794E ² 1340.80
	18X16	3729-796E 578.53	3929-796E 1308.31

2=Two-Step Design, 3=Three-Step Design, 4=Four-Step Design, 5=Five-Step Design, 6=Six-Step Design

CROSS (Soc x Soc x Soc x Soc)

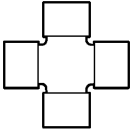
	4X2	---	3920-420 122.31
	4X3	---	3920-422 134.60
	6	3720-060 142.23	3920-060 331.73
	6X2	3720-528 106.77	3920-528 171.87
	6X3	3720-530 126.44	3920-530 193.72
	6X4	3720-532 139.40	3920-532 239.18
	8	3720-080 287.27	3920-080 399.53
	8X2	3720-578 184.43	3920-578 216.87
	8X3	3720-580 199.54	3920-580 230.39
	8X4	3720-582 219.21	3920-582 247.16
	8X6	3720-585 275.82	3920-585 320.32
	10	3720-100 467.62	3920-100 854.76
	10X2	3720-621 195.87	3920-621 392.53
	10X3	3720-623 225.60	3920-623 454.21
	10X4	3720-624 258.80	3920-624 465.72
	10X6	3720-626 296.78	3920-626 569.07
	10X8	3720-628 416.66	3920-628 750.95
	12	3720-120 616.47	3920-120 1204.49
	12X2	3720-661 258.86	3920-661 531.41
	12X3	3720-663 290.53	3920-663 594.01
	12X4	3720-664 307.14	3920-664 619.84
	12X6	3720-666 375.43	3920-666 719.73
	12X8	3720-668 456.23	3920-668 859.77



Fabricated Fittings
PVC Schedule 40 & 80 DWV Fabricated Fittings

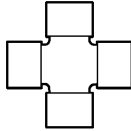
Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

CROSS (Soc x Soc x Soc x Soc) (continued)

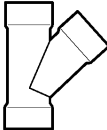
	12X8	3720-668 456.23	3920-668 859.77
	12X10	3720-670 529.54	3920-670 979.74
	14	3720-140 1024.09	3920-140 2141.68
	14X2	3720-691 505.26	3920-691 806.70
	14X3	3720-693 562.57	3920-693 888.72
	14X4	3720-694 624.59	3920-694 993.59
	14X6	3720-696 702.56	3920-696 1115.13
	14X8	3720-698 809.40	3920-698 1282.62
	14X10	3720-700 919.67	3920-700 1535.84
	14X12	3720-702 972.97	3920-702 1799.45
	16	3720-160 1495.97	3920-160 2715.13
	16X2	3720-751 693.32	3920-751 1094.13
	16X3	3720-753 761.99	3920-753 1195.31
	16X4	3720-754 791.10	3920-754 1265.71
	16X6	3720-756 855.64	3920-756 1369.05
	16X8	3720-758 1002.33	3920-758 1603.69
	16X10	3720-760 1193.97	3920-760 1846.79
	16X12	3720-762 1372.15	3920-762 2193.87
	16X14	3720-764 1440.78	3920-764 2587.26
	18	3720-180 2119.43	3920-180 3351.85
	18X4	3720-784 857.77	3920-784 1597.41
	18X6	3720-786 1209.37	3920-786 1825.82
	18X8	3720-788 1370.18	3920-788 2178.14
	18X10	3720-790 1481.93	3920-790 2468.51
	18X12	3720-792 1575.61	3920-792 2738.52
	18X14	3720-794 1660.33	3920-794 2926.80
	18X16	3720-796 1926.99	3920-796 3179.19
	20	3720-200 3605.70	3920-200 5658.71
	20X4	3720-814 1514.46	3920-814 2099.24
	20X6	3720-816 1572.72	3920-816 2270.85
	20X8	3720-818 1953.79	3920-818 2471.18
	20X10	3720-820 2231.96	3920-820 2901.09
	20X12	3720-822 2329.02	3920-822 3211.00
	20X14	3720-824 2533.39	3920-824 3468.95
	20X16	3720-826 2849.05	3920-826 3857.61
	20X18	3720-828 3082.57	3920-828 4600.87
	24	3720-240 4748.84	3920-240 6859.59

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

CROSS (Soc x Soc x Soc x Soc) (continued)

	24X4	3720-904 1935.80	3920-904 2317.49
	24X6	3720-906 2298.34	3920-906 2642.74
	24X8	3720-908 2446.67	3920-908 3449.11
	24X10	3720-910 2615.56	3920-910 3743.77
	24X12	3720-912 2880.52	3920-912 4294.79
	24X14	3720-914 2962.72	3920-914 5041.30
	24X16	3720-916 3283.61	3920-916 5345.20
	24X18	3720-918 3667.24	3920-918 5614.22
	24X20	3720-920 4440.39	3920-920 5978.71

WYE (Soc x Soc x Soc)

	8	3775-080 199.27	3975-080 333.20
	8X2	3775-578 130.01	3975-578 235.67
	8X3	3775-580 [*] 135.12	3975-580 260.68
	8X4	3775-582 140.70	3975-582 267.20
	8X6	3775-585 184.67	3975-585 269.94
	10	3775-100 398.11	3975-100 594.70
	10X2	3775-621 [*] 232.78	3975-621 343.11
	10X3	3775-623 [*] 243.81	3975-623 357.62
	10X4	3775-624 250.55	3975-624 367.77
	10X6	3775-626 [*] 302.10	3975-626 464.73
	10X8	3775-628 370.27	3975-628 506.10
	12	3775-120 525.17	3975-120 899.77
	12X2	3775-661 [*] 276.96	3975-661 577.10
	12X3	3775-663 [*] 287.62	3975-663 584.00
	12X4	3775-664 [*] 297.46	3975-664 593.83
	12X6	3775-666 [*] 354.46	3975-666 647.85
	12X8	3775-668 [*] 393.84	3975-668 719.86
	12X10	3775-670 462.81	3975-670 845.77
	14	3775-140 [*] 1130.21	3975-140 1366.53
	14X2	3775-691 [*] 562.29	3975-691 923.76
	14X3	3775-693 [*] 589.71	3975-693 937.83
	14X4	3775-694 [*] 599.59	3975-694 945.37
	14X6	3775-696 [*] 647.17	3975-696 1035.46
	14X8	3775-698 [*] 740.59	3975-698 1147.21
	14X10	3775-700 [*] 791.64	3975-700 1197.83
	14X12	3775-702 [*] 1012.16	3975-702 1269.55
	16	3775-160 1438.00	3975-160 2103.57

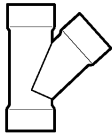
Fabricated Fittings
PVC Schedule 40 & 80 DWV Fabricated Fittings



Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

WYE (Soc x Soc x Soc) (continued)

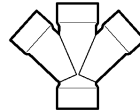
16X2	3775-751 638.90	3975-751 1071.52
16X3	3775-753 675.94	3975-753 1085.03
16X4	3775-754 706.59	3975-754 1130.50
16X6	3775-756 760.46	3975-756 1216.69
16X8	3775-758 867.12	3975-758 1282.15
16X10	3775-760 1041.68	3975-760 1403.62
16X12	3775-762 1134.44	3975-762 1880.86
16X14	3775-764 1374.74	3975-764 2002.34
18	3775-180 1653.53	3975-180 2825.89
18X4	3775-784 1132.95	3975-784 1461.15
18X6	3775-786 1151.20	3975-786 1485.65
18X8	3775-788 1188.73	3975-788 1601.38
18X10	3775-790 1264.64	3975-790 1647.85
18X12	3775-792 1385.01	3975-792 1813.98
18X14	3775-794 1514.19	3975-794 2203.30
18X16	3775-796 1605.33	3975-796 2656.38
20	3775-200 2436.88	3975-200 4819.19
20X4	3775-814 1312.88	3975-814 1704.26
20X6	3775-816 1317.66	3975-816 1843.63
20X8	3775-818 1414.55	3975-818 2291.73
20X10	3775-820 1463.89	3975-820 2385.28
20X12	3775-822 1652.51	3975-822 2625.83
20X14	3775-824 1922.04	3975-824 3042.99
20X16	3775-826 2110.95	3975-826 3125.32
20X18	3775-828 2281.38	3975-828 3266.83
24	3775-240 3032.27	3975-240 5426.44
24X4	3775-904 1636.89	3975-904 2427.05
24X6	3775-906 1805.89	3975-906 2665.86
24X8	3775-908 1913.76	3975-908 3086.24
24X10	3775-910 2057.41	3975-910 3128.82
24X12	3775-912 2123.11	3975-912 3431.62
24X14	3775-914 2224.83	3975-914 3618.83
24X16	3775-916 2351.14	3975-916 4150.55
24X18	3775-918 2515.52	3975-918 4873.51
24X20	3775-920 2839.07	3975-920 5032.28



Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

DOUBLE WYE (Soc x Soc x Soc x Soc)

6	3776-060 147.60	3976-060 188.94
6X4	3776-532 115.48	3976-532 175.49
8	3776-080 284.68	3976-080 364.40
8X2	3776-578 155.00	3976-578 208.39
8X3	3776-580 165.60	3976-580 215.72
8X4	3776-582 172.62	3976-582 245.57
8X6	3776-585 217.97	3976-585 313.81
10	3776-100 417.54	3976-100 668.09
10X2	3776-621 220.64	3976-621 370.04
10X3	3776-623 230.53	3976-623 379.40
10X4	3776-624 242.07	3976-624 387.30
10X6	3776-626 299.47	3976-626 479.13
10X8	3776-628 362.61	3976-628 578.85
12	3776-120 681.69	3976-120 1093.21
12X2	3776-661 298.66	3976-661 610.22
12X3	3776-663 308.48	3976-663 615.60
12X4	3776-664 315.39	3976-664 620.88
12X6	3776-666 375.43	3976-666 730.51
12X8	3776-668 479.21	3976-668 887.43
12X10	3776-670 613.50	3976-670 1002.13
14	3776-140 1209.11	3976-140 1518.46
14X2	3776-691 576.19	3976-691 1080.50
14X3	3776-693 603.09	3976-693 1112.36
14X4	3776-694 628.44	3976-694 1121.93
14X6	3776-696 699.63	3976-696 1147.21
14X8	3776-698 810.77	3976-698 1214.70
14X10	3776-700 856.82	3976-700 1282.15
14X12	3776-702 1109.67	3976-702 1444.14
16	3776-160 1586.94	3976-160 2360.01
16X2	3776-751 745.14	3976-751 1267.72
16X3	3776-753 789.69	3976-753 1278.36
16X4	3776-754 801.37	3976-754 1282.15
16X6	3776-756 847.78	3976-756 1356.39
16X8	3776-758 927.88	3976-758 1484.60
16X10	3776-760 1136.48	3976-760 1693.80
16X12	3776-762 1224.81	3976-762 1822.04
16X14	3776-764 1466.78	3976-764 2166.91

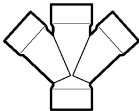




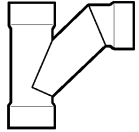
Fabricated Fittings
PVC Schedule 40 & 80 DWV Fabricated Fittings

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

DOUBLE WYE (Soc x Soc x Soc x Soc) (continued)

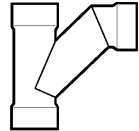
	18	3776-180 2216.87	3976-180 3116.60
	18X4	3776-784 1223.50	3976-784 1641.34
	18X6	3776-786 1243.22	3976-786 1903.15
	18X8	3776-788 1333.34	3976-788 1952.63
	18X10	3776-790 1623.38	3976-790 1969.81
	18X12	3776-792 1653.65	3976-792 2116.45
	18X14	3776-794 1775.63	3976-794 2407.61
	18X16	3776-796 1822.33	3976-796 2814.18
	20	3776-200 2882.50	3976-200 5033.10
	20X4	3776-814 1387.73	3976-814 2020.07
	20X6	3776-816 1459.83	3976-816 2148.30
	20X8	3776-818 1484.00	3976-818 2323.64
	20X10	3776-820 1954.28	3976-820 2665.50
	20X12	3776-822 2139.30	3976-822 2957.85
	20X14	3776-824 2336.37	3976-824 3105.48
	20X16	3776-826 2549.48	3976-826 3949.33
	20X18	3776-828 2788.33	3976-828 4199.65
	24	3776-240 3589.00	3976-240 6495.97
	24X4	3776-904 1788.04	3976-904 2625.83
	24X6	3776-906 1976.95	3976-906 2880.98
	24X8	3776-908 2028.51	3976-908 3153.82
	24X10	3776-910 2134.21	3976-910 3314.78
	24X12	3776-912 2259.38	3976-912 3399.70
	24X14	3776-914 2400.86	3976-914 4576.74
	24X16	3776-916 2611.95	3976-916 5717.37
	24X18	3776-918 2637.93	3976-918 5797.52
	24X20	3776-920 3390.20	3976-920 6112.67

COMBO WYE (Soc x Soc x Soc)

	6	3777-060 187.79	3977-060 300.55
	6X4	3777-532 146.30	3977-532 264.02
	8	3777-080 299.47	3977-080 495.18
	8X2	3777-578 164.21	3977-578 325.86
	8X3	3777-580 204.62	3977-580 333.84
	8X4	3777-582 208.44	3977-582 341.12
	8X6	3777-585 236.20	3977-585 377.88
	10	3777-100 534.88	3977-100 944.76
	10X2	3777-621 244.27	3977-621 395.93

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

COMBO WYE (Soc x Soc x Soc) (continued)

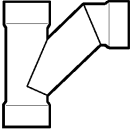
	10X3	3777-623 255.84	3977-623 410.94
	10X4	3777-624 261.50	3977-624 418.41
	10X6	3777-626 328.98	3977-626 526.38
	10X8	3777-628 409.35	3977-628 688.32
	12	3777-120 776.48	3977-120 1185.97
	12X2	3777-661 395.85	3977-661 646.53
	12X3	3777-663 404.21	3977-663 657.21
	12X4	3777-664 413.31	3977-664 661.35
	12X6	3777-666 459.26	3977-666 738.98
	12X8	3777-668 515.24	3977-668 877.31
	12X10	3777-670 641.06	3977-670 1025.77
	14	3777-140 1344.96	3977-140 1813.63
	14X2	3777-691 595.62	3977-691 996.35
	14X3	3777-693 609.07	3977-693 1007.84
	14X4	3777-694 644.16	3977-694 1030.56
	14X6	3777-696 732.94	3977-696 1172.74
	14X8	3777-698 806.37	3977-698 1227.33
	14X10	3777-700 954.32	3977-700 1396.07
	14X12	3777-702 1126.11	3977-702 1695.52
	16	3777-160 1579.31	3977-160 2526.93
	16X2	3777-751 774.17	3977-751 1259.09
	16X3	3777-753 788.51	3977-753 1278.29
	16X4	3777-754 807.30	3977-754 1291.61
	16X6	3777-756 853.85	3977-756 1366.18
	16X8	3777-758 939.38	3977-758 1552.13
	16X10	3777-760 1062.83	3977-760 1700.56
	16X12	3777-762 1140.93	3977-762 1825.38
	16X14	3777-764 1400.64	3977-764 2197.69
	18	3777-180 1988.81	3977-180 3450.38
	18X4	3777-784 1212.53	3977-784 1530.71
	18X6	3777-786 1250.30	3977-786 1623.80
	18X8	3777-788 1284.03	3977-788 1789.34
	18X10	3777-790 1366.82	3977-790 1924.50
	18X12	3777-792 1420.70	3977-792 2539.43
	18X14	3777-794 1613.11	3977-794 2905.38
	18X16	3777-796 1834.80	3977-796 3123.94
	20	3777-200 2577.07	3977-200 6357.30

Fabricated Fittings
PVC Schedule 40 & 80 DWV Fabricated Fittings

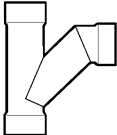


Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

COMBO WYE (Soc x Soc x Soc) (continued)

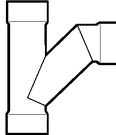
	20X4	3777-814 1340.65	3977-814 1693.55
	20X6	3777-816 1451.87	3977-816 1875.47
	20X8	3777-818 1479.39	3977-818 2336.16
	20X10	3777-820 1550.89	3977-820 2611.43
	20X12	3777-822 1949.30	3977-822 3084.67
	20X14	3777-824 2052.07	3977-824 3399.81
	20X16	3777-826 2296.05	3977-826 4329.68
	20X18	3777-828 2346.32	3977-828 5920.18
	24	3777-240 3481.14	3977-240 6770.11
	24X4	3777-904 1787.27	3977-904 2741.50
	24X6	3777-906 1951.64	3977-906 2916.97
	24X8	3777-908 2177.10	3977-908 3041.44
	24X10	3777-910 2330.82	3977-910 3594.87
	24X12	3777-912 2427.78	3977-912 3869.44
	24X14	3777-914 2472.52	3977-914 4616.05
	24X16	3777-916 2859.12	3977-916 5389.12
	24X18	3777-918 3054.33	3977-918 6109.12
	24X20	3777-920 3103.01	3977-920 6484.16

SANITARY TEE (Soc x Soc x Soc)

	6	3790-060 161.47	3990-060 271.57
	6X4	3790-532' 120.97	3990-532 214.65
	8	3790-080' 295.87	3990-080 491.69
	8X2	3790-578' 151.35	3990-578 268.95
	8X3	3790-580' 200.00	3990-580 306.34
	8X4	3790-582' 189.79	3990-582 326.61
	8X6	3790-585' 227.35	3990-585 363.69
	10	3790-100' 528.97	3990-100 933.90
	10X2	3790-621' 232.27	3990-621 362.04
	10X3	3790-623' 236.20	3990-623 372.33
	10X4	3790-624' 253.07	3990-624 404.91
	10X6	3790-626' 325.70	3990-626 512.88
	10X8	3790-628' 398.79	3990-628 660.61
	12	3790-120' 757.46	3990-120 1152.94
	12X2	3790-661' 389.76	3990-661 612.03
	12X3	3790-663' 394.20	3990-663 622.06
	12X4	3790-664' 405.73	3990-664 647.85
	12X6	3790-666' 442.38	3990-666 725.46

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

SANITARY TEE (Soc x Soc x Soc) (continued)

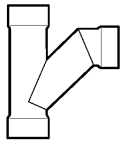
	12X8	3790-668' 492.54	3990-668 861.70
	12X10	3790-670' 620.43	3990-670 998.29
	14	3790-140' 1334.01	3990-140 1767.45
	14X2	3790-691' 528.55	3990-691 965.19
	14X3	3790-693' 573.52	3990-693 979.76
	14X4	3790-694' 579.13	3990-694 999.44
	14X6	3790-696' 690.67	3990-696 1139.61
	14X8	3790-698' 787.78	3990-698 1198.78
	14X10	3790-700' 946.27	3990-700 1362.83
	14X12	3790-702' 1115.56	3990-702 1638.22
	16	3790-160 1716.24	3990-160 2109.06
	16X2	3790-751 769.14	3990-751 1191.82
	16X3	3790-753 776.67	3990-753 1239.86
	16X4	3790-754 794.14	3990-754 1278.78
	16X6	3790-756 844.16	3990-756 1353.05
	16X8	3790-758 930.97	3990-758 1515.18
	16X10	3790-760 1052.01	3990-760 1674.40
	16X12	3790-762 1129.48	3990-762 1800.05
	16X14	3790-764 1353.74	3990-764 1963.99
	18	3790-180 1757.62	3990-180 3409.32
	18X4	3790-784 936.64	3990-784 1481.91
	18X6	3790-786 1004.55	3990-786 1571.85
	18X8	3790-788 1260.20	3990-788 1752.79
	18X10	3790-790 1433.95	3990-790 1891.72
	18X12	3790-792 1473.04	3990-792 2463.65
	18X14	3790-794 1679.27	3990-794 2533.94
	18X16	3790-796 1812.86	3990-796 3105.41
	20	3790-200 2374.31	3990-200 6259.17
	20X4	3790-814 991.54	3990-814 1661.52
	20X6	3790-816 1134.57	3990-816 1805.31
	20X8	3790-818 1223.84	3990-818 2293.45
	20X10	3790-820 1380.76	3990-820 2549.82
	20X12	3790-822 1546.03	3990-822 3014.69
	20X14	3790-824 1838.59	3990-824 3270.49
	20X16	3790-826 2119.91	3990-826 4252.63
	20X18	3790-828 2284.34	3990-828 5887.26
	24	3790-240 3106.51	3990-240 6716.97



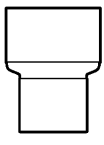
Fabricated Fittings PVC Schedule 40 & 80 DWV Fabricated Fittings

Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

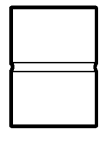
SANITARY TEE (Soc x Soc x Soc) (continued)

	24X4	3790-904 1451.91	3990-904 2677.53
	24X6	3790-906 1611.95	3990-906 2807.27
	24X8	3790-908 2139.36	3990-908 2936.98
	24X10	3790-910 2313.13	3990-910 3517.87
	24X12	3790-912 2417.05	3990-912 3788.61
	24X14	3790-914 2465.83	3990-914 4567.22
	24X16	3790-916 2827.90	3990-916 5242.84
	24X18	3790-918 2964.44	3990-918 6029.35
	24X20	3790-920 3071.50	3990-920 6368.34

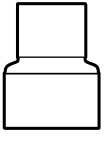
IPS X SEWER ADAPTER (Soc x Spig)

	4	3729-04013IXS 16.63	---
	6	3729-06013IXS 35.10	---
	8	3729-08013IXS 67.95	---
	10	3729-10013IXS 184.01	---
	12	3729-12013IXS 200.19	---

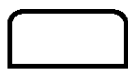
IPS X SEWER ADAPTER (Soc x Soc)

	4	3729-040IXS 28.60	---
	6	3729-060IXS 52.26	---
	8	3729-080IXS 83.97	---
	10	3729-100IXS 135.78	---
	12	3729-120IXS 200.96	---

IPS X SEWER ADAPTER (Spig x Soc)

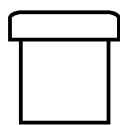
	4	3729-04031IXS 21.83	---
	6	3729-06031IXS 50.55	---
	8	3729-08031IXS 82.79	---
	10	3729-10031IXS 128.89	---
	12	3729-12031IXS 191.43	---

CAP (Soc)

	10	3747-100* 111.14	3947-100 217.02
	12	3747-120* 140.35	3947-120 375.72
	14	3747-140* 238.65	3947-140 426.11
	16	3747-160 305.50	3947-160 562.40
	18	3747-180 338.04	3947-180 738.89
	20	3747-200 595.44	3947-200 853.85
	24	3747-240 880.17	3947-240 990.76

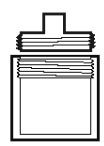
Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

SPIGOT PLUG (Spigot)

	6	3749-060 42.96	3949-060 129.93
	8	3749-080 109.73	3949-080 219.30
	10	3749-100 125.14	3949-100 277.26
	12	3749-120 179.37	3949-120 441.46
	14	3749-140 304.32	---
	16	3749-160 370.82	3949-160 642.16

CLEANOUT ADAPTER WITH PLUG (Spig x Cleanout)

SOLD AS SET ONLY (Non-Pressure Rated)

	2	---	3978-020* 91.80
	3	---	3978-030* 117.61
	4	---	3978-040* 147.80
	5	---	3978-050* 157.11
	6	---	3978-060* 166.44
	8	---	3978-080* 264.76
	10	---	3978-100* 442.16
	12	---	3978-120* 617.33
	14	---	3978-140* 765.54
	16	---	3978-160* 1505.70
	18	---	3978-180* 1802.96
	24	---	3978-240* 2215.60

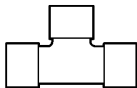
* HDPE Plug

Fabricated Fittings **PVC Schedule 40 & 80 Low Pressure Fabricated Fittings**



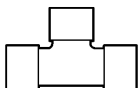
Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

TEE (Soc x Soc x Soc)

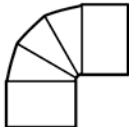
	6	3701-060 110.71	3901-060 192.55
	6X2	3701-528' 95.67	3901-528 143.46
	6X3	3701-530' 100.49	3901-530 150.21
	6X4	3701-532 105.11	3901-532 155.95
	8	3701-080 180.35	3901-080 305.62
	8X2	3701-578' 112.49	3901-578 200.93
	8X3	3701-580' 117.96	3901-580 226.39
	8X4	3701-582 121.17	3901-582 231.44
	8X6	3701-585 131.48	3901-585 240.28
	10	3701-100 350.77	3901-100 476.69
	10X2	3701-621' 183.12	3901-621 283.51
	10X3	3701-623' 186.51	3901-623 308.79
	10X4	3701-624 191.07	3901-624 349.32
	10X6	3701-626 233.56	3901-626 426.85
	10X8	3701-628 313.11	3901-628 447.31
	12	3701-120 466.17	3901-120 656.79
	12X2	3701-661' 244.48	3901-661 351.10
	12X3	3701-663' 248.09	3901-663 409.17
	12X4	3701-664 254.33	3901-664 464.87
	12X6	3701-666 295.40	3901-666 540.86
	12X8	3701-668 352.84	3901-668 595.50
	12X10	3701-670 402.07	3901-670 603.30
	14	3701-140' 916.36	3901-140 1179.59
	14X2	3701-691' 387.72	3901-691 621.73
	14X3	3701-693' 429.13	3901-693 695.59
	14X4	3701-694' 478.43	3901-694 765.55
	14X6	3701-696' 561.48	3901-696 898.39
	14X8	3701-698' 669.44	3901-698 1076.36
	14X10	3701-700' 760.96	3901-700 1132.32
	14X12	3701-702' 900.20	3901-702 1143.32
	16	3701-160 1297.13	3901-160 1858.31
	16X2	3701-751 552.88	3901-751 797.09
	16X3	3701-753 558.94	3901-753 881.66
	16X4	3701-754 593.33	3901-754 949.27
	16X6	3701-756 641.80	3901-756 1026.80
	16X8	3701-758 751.34	3901-758 1202.80
	16X10	3701-760 944.45	3901-760 1346.67

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

TEE (Soc x Soc x Soc) (continued)

	16X12	3701-762 1072.44	3901-762 1707.23
	16X14	3701-764 1272.74	3901-764 1765.37
	18	3701-180 1612.00	3901-180 2006.31
	18X4	3701-784 947.53	3901-784 1101.71
	18X6	3701-786 962.53	3901-786 1246.67
	18X8	3701-788 1002.03	3901-788 1293.34
	18X10	3701-790 1129.40	3901-790 1306.93
	18X12	3701-792 1203.17	3901-792 1606.62
	18X14	3701-794 1290.49	3901-794 1847.55
	18X16	3701-796 1385.13	3901-796 1887.88
	20	3701-200 2146.70	3901-200 2887.18
	20X4	3701-814 1145.17	3901-814 1529.59
	20X6	3701-816 1211.77	3901-816 1724.96
	20X8	3701-818 1280.45	3901-818 2118.45
	20X10	3701-820 1374.15	3901-820 2188.67
	20X12	3701-822 1455.04	3901-822 2311.86
	20X14	3701-824 1570.19	3901-824 2514.57
	20X16	3701-826 1672.01	3901-826 2560.44
	20X18	3701-828 1844.28	3901-828 2768.27
	24	3701-240 2674.43	3901-240 3463.00
	24X4	3701-904 1576.88	3901-904 1896.26
	24X6	3701-906 1657.51	3901-906 2138.54
	24X8	3701-908 1758.49	3901-908 2313.36
	24X10	3701-910 1857.78	3901-910 2517.20
	24X12	3701-912 1957.64	3901-912 2648.74
	24X14	3701-914 2091.70	3901-914 2936.91
	24X16	3701-916 2212.46	3901-916 3030.54
	24X18	3701-918 2403.67	3901-918 3178.38
	24X20	3701-920 2580.67	3901-920 3324.62

90° ELBOW (Soc x Soc)

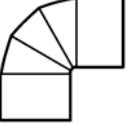
	6	3706-060 109.30	3906-060 141.49
	8	3706-080 151.84	3906-080 237.64
	10	3706-100 240.02	3906-100 469.12
	12	3706-120 369.21	3906-120 684.10
	14	3706-140' 494.47	3906-140 1006.52
	16	3706-160 733.28	3906-160 1251.81
	18	3706-180 1090.59	3906-180 1611.51



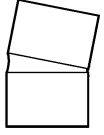
Fabricated Fittings PVC Schedule 40 & 80 Low Pressure Fabricated Fittings

Size	SCH 40 LOW PR	SCH 80 LOW PR
	Disc Code: 390 Part Number Price Each	Disc Code: 400 Part Number Price Each

90° ELBOW (Soc x Soc) (continued)

	20	3706-200 1226.65	3906-200 1900.03
	24	3706-240 1533.97	3906-240 2842.99

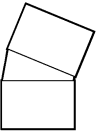
11-1/4° ELBOW (Soc x Soc)

	4	3711-040 39.07	3911-040 53.13
	6	3711-060 62.77	3911-060 99.33
	8	3711-080 106.11	3911-080 162.59
	10	3711-100 160.11	3911-100 288.16
	12	3711-120 253.29	3911-120 421.16
	14	3711-140 398.21	3911-140 644.76
	16	3711-160 542.83	3911-160 861.86
	18	3711-180 607.52	3911-180 1112.61
	20	3711-200 805.84	3911-200 1426.34
	24	3711-240 1440.68	3911-240 1632.63

15° ELBOW (Soc x Soc)

	4	3718-040 39.07	3918-040 53.13
	6	3718-060 62.77	3918-060 99.33
	8	3718-080 106.11	3918-080 162.59
	10	3718-100 160.11	3918-100 288.16
	12	3718-120 253.29	3918-120 421.16
	14	3718-140 398.21	3918-140 644.76
	16	3718-160 542.83	3918-160 861.86
	18	3718-180 607.52	3918-180 1112.61
	20	3718-200 805.84	3918-200 1426.34
	24	3718-240 1440.68	3918-240 1632.63

22-1/2° ELBOW (Soc x Soc)

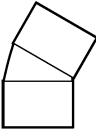
	4	3716-040 39.07	3916-040 53.13
	6	3716-060 62.77	3916-060 99.33
	8	3716-080 106.11	3916-080 162.59
	10	3716-100 160.11	3916-100 288.16
	12	3716-120 253.29	3916-120 421.16
	14	3716-140 398.21	3916-140 644.76
	16	3716-160 542.83	3916-160 861.86
	18	3716-180 651.90	3916-180 1112.61
	20	3716-200 805.84	3916-200 1426.34
	24	3716-240 1440.68	3916-240 1632.63

Size	SCH 40 DWV	SCH 80 DWV
	Disc Code: 390 Part Number Price Each	Disc Code: 400 Part Number Price Each

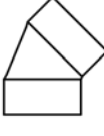
22-1/2° STREET ELL (Spig x Soc)

	6	3742-060 69.04	3942-060 109.23
	8	3742-080 116.71	3942-080 178.84
	10	3742-100 176.11	3942-100 316.99
	12	3742-120 278.61	3942-120 463.29
	14	3742-140 438.02	3942-140 709.24
	16	3742-160 431.09	3942-160 948.04
	18	3742-180 717.09	3942-180 1222.30
	20	3742-200 1092.49	3942-200 1679.19
	24	3742-240 1694.91	3942-240 1921.16

30° ELBOW (Soc x Soc)

	4	3715-040 39.07	3915-040 53.13
	6	3715-060 62.77	3915-060 99.33
	8	3715-080 106.11	3915-080 162.59
	10	3715-100 160.11	3915-100 288.16
	12	3715-120 253.29	3915-120 421.16
	14	3715-140 398.21	3915-140 644.76
	16	3715-160 542.83	3915-160 861.86
	18	3715-180 651.90	3915-180 1112.61
	20	3715-200 805.84	3915-200 1426.34
	24	3715-240 1440.68	3915-240 1632.63

45° ELBOW (Soc x Soc)

	6	3717-060 101.45	3917-060 166.47
	8	3717-080 121.48	3917-080 178.88
	10	3717-100 199.80	3917-100 327.68
	12	3717-120 280.61	3917-120 468.44
	14	3717-140 486.55	3917-140 673.20
	16	3717-160 600.76	3917-160 871.77
	18	3717-180 693.29	3917-180 1179.26
	20	3717-200 946.62	3917-200 1481.21
	24	3717-240 1257.83	3917-240 1743.77

60° ELBOW (Soc x Soc)

	6	3724-060 121.24	3924-060 176.85
	8	3724-080 172.98	3924-080 297.10
	10	3724-100 289.87	3924-100 556.88
	12	3724-120 379.79	3924-120 819.63
	14	3724-140 696.16	3924-140 1191.02
	16	3724-160 846.39	3924-160 1447.14
	18	3724-180 1087.36	3924-180 1611.51

Fabricated Fittings **PVC Schedule 40 & 80 Low Pressure Fabricated Fittings**

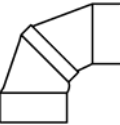


Size	SCH 40 DWV Disc Code: 390	SCH 80 DWV Disc Code: 400
	Part Number Price Each	Part Number Price Each

60° ELBOW (Soc x Soc) (continued)

	20	3724-200 1159.96	3924-200 1900.03
	24	3724-240 1494.50	3924-240 2029.83

90° STREET ELL (Spig x Soc)

	4	---	3909-040 133.13
	6	3709-060' 116.02	3909-060 157.77
	8	3709-080' 159.60	3909-080 259.82
	10	3709-100' 266.68	3909-100 514.97
	12	3709-120' 388.65	3909-120 756.59
	14	3709-140' 537.45	3909-140 1105.64
	16	3709-160 835.91	3909-160 1373.12
	18	3709-180 1208.94	3909-180 1768.33
	20	3709-200 1362.76	3909-200 2086.43
	24	3709-240 1704.09	3909-240 2229.04

45° STREET ELL (Spig x Soc)

	4	3727-040 95.45	3927-040 116.79
	6	3727-060 101.45	3927-060 166.47
	8	3727-080 121.48	3927-080 178.88
	10	3727-100' 199.80	3927-100 327.68
	12	3727-120' 280.61	3927-120 468.44
	14	3727-140' 486.55	3927-140 673.20
	16	3727-160 600.76	3927-160 871.77
	18	3727-180 693.29	3927-180 1179.26
	20	3727-200 946.62	3927-200 1481.21
	24	3727-240 1257.83	3927-240 1743.77

COUPLING (Soc x Soc)

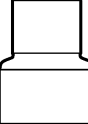
	8	3729-080 69.27	3929-080 153.35
	10	3729-100 85.18	3929-100 167.01
	12	3729-120 125.39	3929-120 192.51
	14	3729-140 203.61	3929-140 384.95
	16	3729-160 227.10	3929-160 457.66
	18	3729-180 387.28	3929-180 902.11
	20	3729-200 675.61	3929-200 1112.26
	24	3729-240 938.29	3929-240 1918.73

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

REPAIR COUPLING (Gasket x Gasket)

	4	3728-040 67.14	3928-040 78.44
	6	3728-060 93.39	3928-060 110.54
	8	3728-080 147.01	3928-080 187.00
	10	3728-100 193.96	3928-100 261.66
	12	3728-120 243.33	3928-120 332.52
	14	3728-140 422.24	3928-140 736.29
	16	3728-160 622.10	3928-160 1104.65
	18	3728-180 813.27	3928-180 1435.96
	20	3728-200 1262.90	3928-200 1723.17
	24	3728-240 1712.80	3928-240 2324.28

REDUCER COUPLING (Soc x Soc)

	6X2	3729-528' 100.74	3929-528 174.67
	6X3	3729-530' 99.16	3929-530 129.03
	6X4	3729-532 35.98	3929-532 84.89
	8X2	3729-578 169.45	3929-578 235.97
	8X3	3729-580 156.87	3929-580 206.24
	8X4	3729-582' 89.18	3929-582 162.98
	8X6	3729-585' 76.65	3929-585 149.99
	10X4	3729-624' 201.24	3929-624 382.88
	10X6	3729-626' 187.54	3929-626 305.50
	10X8	3729-628' 131.26	3929-628 163.29
	12X4	3729-664' 378.38	3929-664 550.13
	12X6	3729-666' 286.90	3929-666 453.59
	12X8	3729-668' 252.50	3929-668 393.61
	12X10	3729-670' 191.07	3929-670 241.77
	14X4	3729-694' 608.91	3929-694 744.37
	14X6	3729-696' 589.49	3929-696 664.89
	14X8	3729-698' 426.71	3929-698 654.00
	14X10	3729-700' 360.39	3929-700 552.13
	14X12	3729-702' 320.05	3929-702 352.96
	16X4	3729-754 651.72	3929-754 1093.81
	16X6	3729-756 600.30	3929-756 1025.46
	16X8	3729-758 546.24	3929-758 968.50
	16X10	3729-760 487.84	3929-760 673.34
	16X12	3729-762 442.89	3929-762 618.99
	16X14	3729-764 384.10	3929-764 521.83
	18X6	3729-786 1084.87	3929-786 1580.91

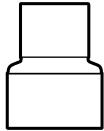


Fabricated Fittings

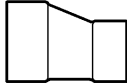
PVC Schedule 40 & 80 Low Pressure Fabricated Fittings

	Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
		Part Number Price Each	Part Number Price Each

REDUCER COUPLING (Soc x Soc) (continued)

	18X8	3729-788 920.14	3929-788 1462.96
	18X10	3729-790 858.57	3929-790 1344.46
	18X12	3729-792 803.86	3929-792 1123.63
	18X14	3729-794 741.35	3929-794 1088.06
	18X16	3729-796 553.79	3929-796 930.04
	20X6	3729-816 1358.83	3929-816 2223.06
	20X8	3729-818 1315.98	3929-818 2197.33
	20X10	3729-820 1153.72	3929-820 2181.00
	20X12	3729-822 1137.91	3929-822 2045.36
	20X14	3729-824 1123.86	3929-824 2029.10
	20X16	3729-826 1060.22	3929-826 1625.01
	20X18	3729-828 936.64	3929-828 1120.57
	24X6	3729-906 2732.86	3929-906 3758.81
	24X8	3729-908 2654.56	3929-908 3727.45
	24X10	3729-910 2194.81	3929-910 3714.71
	24X12	3729-912 2122.45	3929-912 3654.69
	24X14	3729-914 2012.56	3929-914 3642.45
	24X16	3729-916 1847.93	3929-916 3502.51
	24X18	3729-918 1636.31	3929-918 2670.40
	24X20	3729-920 1230.10	3929-920 2394.88

ECCENTRIC REDUCER COUPLING (Soc x Soc)

	3X2	3729-338E 31.95	3929-338E 44.51
	4X2	3729-420E ² 43.39	3929-420E ² 113.55
	4X3	3729-422E 40.10	3929-422E 52.54
	6X2	3729-528E ^{3*} 97.94	3929-528E ³ 147.83
	6X3	3729-530E ^{2*} 90.21	3929-530E ² 143.62
	6X4	3729-532E ² 45.11	3929-532E 109.54
	8X3	3729-580E ^{3*} 186.07	3929-580E ³ 208.73
	8X4	3729-582E ^{2*} 92.91	3929-582E ² 189.46
	8X6	3729-585E ⁺ 75.11	3929-585E 145.69
	10X4	3729-624E ^{2*} 212.45	3929-624E ³ 320.61
	10X6	3729-626E ⁺ 195.34	3929-626E ² 272.11
	10X8	3729-628E ⁺ 184.17	3929-628E 251.44
	12X4	3729-664E ^{3*} 396.38	3929-664E ⁴ 490.28
	12X6	3729-666E ^{2*} 325.70	3929-666E ³ 403.49
	12X8	3729-668E ^{2*} 215.98	3929-668E ² 348.59
	12X10	3729-670E ⁺ 187.26	3929-670E 222.82

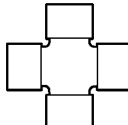
	Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
		Part Number Price Each	Part Number Price Each

ECCENTRIC REDUCER COUPLING (Soc x Soc) (continued)

	14X6	3729-696E ³ 661.64	3929-696E ⁴ 798.65
	14X8	3729-698E ³ 541.99	3929-698E ³ 714.44
	14X10	3729-700E ² 492.01	3929-700E ² 517.24
	14X12	3729-702E 300.79	3929-702E 475.68
	16X6	3729-756E ³ 691.36	3929-756E ⁵ 1475.54
	16X8	3729-758E ³ 681.67	3929-758E ³ 1351.18
	16X10	3729-760E ² 504.07	3929-760E ³ 982.94
	16X12	3729-762E 479.65	3929-762E ² 872.69
	16X14	3729-764E 426.20	3929-764E 675.95
	18X6	3729-786E ⁴ 982.67	3929-786E ⁶ 2036.86
	18X8	3729-788E ⁴ 968.12	3929-788E ⁵ 1949.82
	18X10	3729-790E ³ 898.80	3929-790E ⁴ 1822.05
	18X12	3729-792E ² 811.16	3929-792E ³ 1626.32
	18X14	3729-794E ² 717.18	3929-794E ² 1340.80
	18X16	3729-796E 578.53	3929-796E 1308.31

2=Two-Step Design, 3=Three-Step Design, 4=Four-Step Design, 5=Five-Step Design, 6=Six-Step Design

CROSS (Soc x Soc x Soc x Soc)

	4X2	---	3920-420 122.31
	4X3	---	3920-422 134.60
	6	3720-060 142.23	3920-060 331.73
	6X2	3720-528 106.77	3920-528 171.87
	6X3	3720-530 126.44	3920-530 193.72
	6X4	3720-532 139.40	3920-532 239.18
	8	3720-080 287.27	3920-080 399.53
	8X2	3720-578 184.43	3920-578 216.87
	8X3	3720-580 199.54	3920-580 230.39
	8X4	3720-582 219.21	3920-582 247.16
	8X6	3720-585 275.82	3920-585 320.32
	10	3720-100 467.62	3920-100 854.76
	10X2	3720-621 195.87	3920-621 392.53
	10X3	3720-623 225.60	3920-623 454.21
	10X4	3720-624 258.80	3920-624 465.72
	10X6	3720-626 296.78	3920-626 569.07
	10X8	3720-628 416.66	3920-628 750.95
	12	3720-120 616.47	3920-120 1204.49
	12X2	3720-661 258.86	3920-661 531.41
	12X3	3720-663 290.53	3920-663 594.01

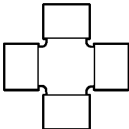
Fabricated Fittings

PVC Schedule 40 & 80 Low Pressure Fabricated Fittings



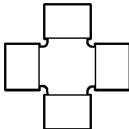
Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

CROSS (Soc x Soc x Soc x Soc) (continued)

	12X3	3720-663 290.53	3920-663 594.01
	12X4	3720-664 307.14	3920-664 619.84
	12X6	3720-666 375.43	3920-666 719.73
	12X8	3720-668 456.23	3920-668 859.77
	12X10	3720-670 529.54	3920-670 979.74
	14	3720-140 1024.09	3920-140 2141.68
	14X2	3720-691 505.26	3920-691 806.70
	14X3	3720-693 562.57	3920-693 888.72
	14X4	3720-694 624.59	3920-694 993.59
	14X6	3720-696 702.56	3920-696 1115.13
	14X8	3720-698 809.40	3920-698 1282.62
	14X10	3720-700 919.67	3920-700 1535.84
	14X12	3720-702 972.97	3920-702 1799.45
	16	3720-160 1495.97	3920-160 2715.13
	16X2	3720-751 693.32	3920-751 1094.13
	16X3	3720-753 761.99	3920-753 1195.31
	16X4	3720-754 791.10	3920-754 1265.71
	16X6	3720-756 855.64	3920-756 1369.05
	16X8	3720-758 1002.33	3920-758 1603.69
	16X10	3720-760 1193.97	3920-760 1846.79
	16X12	3720-762 1372.15	3920-762 2193.87
	16X14	3720-764 1440.78	3920-764 2587.26
	18	3720-180 2119.43	3920-180 3351.85
	18X4	3720-784 857.77	3920-784 1597.41
	18X6	3720-786 1209.37	3920-786 1825.82
	18X8	3720-788 1370.18	3920-788 2178.14
	18X10	3720-790 1481.93	3920-790 2468.51
	18X12	3720-792 1575.61	3920-792 2738.52
	18X14	3720-794 1660.33	3920-794 2926.80
	18X16	3720-796 1926.99	3920-796 3179.19
	20	3720-200 3605.70	3920-200 5658.71
	20X4	3720-814 1514.46	3920-814 2099.24
	20X6	3720-816 1572.72	3920-816 2270.85
	20X8	3720-818 1953.79	3920-818 2471.18
	20X10	3720-820 2231.96	3920-820 2901.09
	20X12	3720-822 2329.02	3920-822 3211.00
	20X14	3720-824 2533.39	3920-824 3468.95

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

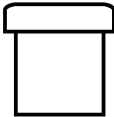
CROSS (Soc x Soc x Soc x Soc) (continued)

	20X16	3720-826 2849.05	3920-826 3857.61
	20X18	3720-828 3082.57	3920-828 4600.87
	24	3720-240 4748.84	3920-240 6859.59
	24X4	3720-904 1935.80	3920-904 2317.49
	24X6	3720-906 2298.34	3920-906 2642.74
	24X8	3720-908 2446.67	3920-908 3449.11
	24X10	3720-910 2615.56	3920-910 3743.77
	24X12	3720-912 2880.52	3920-912 4294.79
	24X14	3720-914 2962.72	3920-914 5041.30
	24X16	3720-916 3283.61	3920-916 5345.20
	24X18	3720-918 3667.24	3920-918 5614.22
	24X20	3720-920 4440.39	3920-920 5978.71

CAP (Soc)

	10	3747-100' 111.14	3947-100 217.02
	12	3747-120' 140.35	3947-120 375.72
	14	3747-140' 238.65	3947-140 426.11
	16	3747-160 305.50	3947-160 562.40
	18	3747-180 338.04	3947-180 738.89
	20	3747-200 595.44	3947-200 853.85
	24	3747-240 880.17	3947-240 990.76

SPIGOT PLUG (Spigot)

	6	3749-060 42.96	3949-060 129.93
	8	3749-080 109.73	3949-080 219.30
	10	3749-100 125.14	3949-100 277.26
	12	3749-120 179.37	3949-120 441.46
	14	3749-140 304.32	---
	16	3749-160 370.82	3949-160 642.16



Metric Fittings & Valves PVC & CPVC Metric Fittings, Unions & Valves

TECHNICAL INFORMATION

MATERIALS

THERMOPLASTICS

UPVC — All PVC referenced in this publication is unplasticized PVC, commonly referred to as UPVC.

PVC — Poly Vinyl Chloride

PVC is one of the most specified thermoplastics for piping system components, including valves, fittings, flanges and many specialty products. PVC has excellent chemical and corrosion resistance to a broad range of fluids including water, deionized water, most mineral acids, bases, salts and paraffinic hydrocarbon solutions. PVC is not recommended for use with chlorinated or aromatic hydrocarbons, esters or polar solvents such as ketones. Spears® PVC materials conform to ASTM Cell Classification 12454-B (formerly designated as Type I, Grade 1). The maximum recommended service temperature of PVC products is 60°C (140°F).

CPVC — Chlorinated Poly Vinyl Chloride

Chlorinated PVC is used for higher temperature applications than PVC, especially for handling hot corrosive liquids. With similar chemical and corrosion resistance to PVC, increased chlorine content gives CPVC superior thermal resistance. CPVC is not recommended for use with chlorinated or aromatic hydrocarbons, esters, or polar solvents such as ketones. Spears® CPVC materials conform to ASTM Cell Classification 23447-B (formerly designated as Type IV, Grade 1). The maximum recommended service temperature of CPVC products is 93°C (200°F).

ELASTOMERS

EPR (EPDM) Ethylene propylene rubber

Used in O-ring seals, EPR is recommended for water, chlorinated water, dilute acids and alkalines, alcohols, and has excellent resistance to ozone. EPR is not recommended for petroleum oils, di-ester lubricants, strong acids, or strong alkalines. The maximum recommended service temperature of EPR is 149°C (300°F).

FPM (Viton®) — Fluorocarbon elastomer

Viton® is a registered trademark of DuPont Dow Elastomers. Used in O-ring seals, FPM exhibits a very broad range of chemical resistance, including petroleum oils, di-ester based lubricants, silicate fluids and greases, halogenated hydrocarbons and mineral acids. FPM is not recommended for ketones, amines, anhydrous ammonia, hot hydrofluoric or chlorosulfonic acids or automotive brake fluids. The maximum recommended service temperature of FPM is 204°C (400°F).

NITRILE (Buna-N) — Nitrile elastomer

Used in O-ring seals, nitrile elastomers are recommended for petroleum oils and fluids, silicone oils and greases, Di-ester based lubricants, ethylene glycol based fluids and cold water. Nitrile is not recommended for phosphate ester hydraulic fluids, halogenated hydrocarbons, strong acids, ketone, ozone or automotive brake fluids. The maximum recommended service temperature of nitrile is 135°C (275°F).

IMPORTANT

SPECIFICATION STANDARDS ORIGIN

Not all metric fitting sizes are the same. Today's global markets have varying standards, norms and interpretations of metric sizing. Identification of the standards origin for which fittings are being specified is essential in assuring that the proper fitting is obtained for each application.

METRIC SIZE DIAMETERS: ACTUAL (O.D.) vs. NOMINAL (I.D.)

Pipe and fitting sizes are specified according to a diameter. It is important to know if a specification of size is an actual O.D. (**d**), or a nominal diameter (**DN**) which is based on pipe I.D.

Where applicable, Spears® metric socket fittings in this price schedule have size columns to indicate both actual "**d**" and nominal "**DN**". It is always best to identify the actual pipe O.D. being used in order to select the proper fitting.

THREADS

Spears® metric thread fittings use BSP (British Standard Pipe) threads designated in inch-sizes, which also conform to ISO 7/1 metric threads. ASTM Iron Pipe Size (IPS) threads use NPT (National Pipe Thread) threads which are also designated as inch size, conforming to ASTM F 1498. BSP threads are not compatible with NPT threads.

SPEARS® METRIC FITTINGS

PN16 PVC AND CPVC METRIC FITTINGS (PG 190/192)

Injection Molded.

Size Range:	20mm through 63mm socket, actual "d" 1/2" through 2" threaded
Sockets:	ISO 727
Threads - BSP:	ISO 7/1
Laying Lengths:	ISO 264
Pressure Rating:	PN16 = 16 BAR at 23°C (232 psi at 73°F)

PN10 (CLASS 10/12) PVC METRIC SOCKET FITTINGS (PG 190)

Injection Molded.

Size Range:	160mm and 225mm socket, actual "d" 73°F
Sockets:	ISO 727 diameters (ASTM D 2467 socket length)
Pressure Rating:	160mm: PN12 = 12 BAR at 23°C (174 psi at 73°F) 225mm: PN10 = 10 BAR at 23°C (145 psi at 73°F)

Metric Fittings & Valves PVC & CPVC Metric Fittings, Unions & Valves



PVC ASTM SCHEDULE 40 SOCKET X BSP ADAPTER FITTINGS (WHITE & GRAY) (PG 195/6)

Injection molded.

Size Range:	3/4" through 3" socket x threaded, nominal
Sockets:	Iron Pipe Size (IPS) to ASTM D 2466
Threads - BSP:	ISO 7/1
Pressure Rating:	Designed for use with corresponding size and pressure of ASTM D 1785 Schedule 40 pipe with 50% derating of threaded system.

PVC TRANSITION UNIONS (PG 197)

Injection molded; specially designed for transitions between ASTM IPS (Iron Pipe Size) systems and either ISO (International Standards Organization) metric, or JIS (Japanese Industrial Standards) metric systems.

Size Range:	ASTM IPS (inch): 1/2" through 4", nominal — connect to — ISO Metric (mm): 20mm through 110mm socket, actual "d" 1/2" through 4" BSP threaded — or to — JIS Metric (mm): 16mm through 100mm socket, nominal "DN"
Sockets:	ASTM IPS (inch): ASTM D 2467 ISO Metric (mm): ISO 727 diameters (ASTM D 2467 socket length) JIS Metric (mm): JIS K6741 diameters (ASTM D 2467 socket length)
Threads:	NPT: ASTM F 1498 BSP: ISO 7/1
Pressure Rating:	16.2 BAR at 23°C (235 psi at 73°F)

PVC & CPVC METRIC VALVES

TRUE UNION BALL VALVES & BALL CHECK VALVES (PG 238/239 & 228/229)

Size Range:	20mm through 110mm socket, actual "d" 1/2" through 2" BSP threaded
Sockets:	ISO 727 diameters (ASTM D 2467 socket length)
Threads - BSP:	ISO 7/1
Pressure Rating:	20mm - 62mm 16.2 BAR at 23°C (235 psi at 73°F) 75mm - 110mm 10.3 BAR at 23°C (150 psi at 73°F)

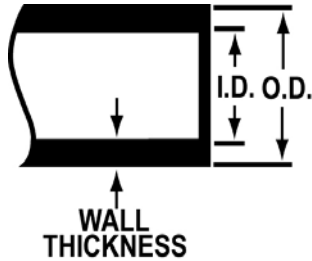
GATE VALVES (PG 208/209)

Size Range:	20mm through 63mm socket, actual "d" 1/2" through 2" BSP threaded
Sockets:	ISO 727 diameters (ASTM 2467 socket length)
Threads - BSP:	ISO 7/1
Pressure Rating:	13.8 BAR at 23°C (200 psi at 73°F)



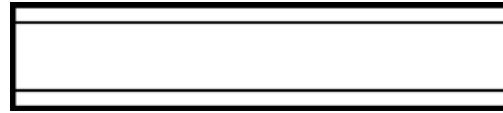
Metric Fittings & Valves PVC & CPVC Metric Fittings, Unions & Valves

SCHEDULE 40 & SCHEDULE 80 PIPE DIMENSIONS
ASTM STANDARD D 1785



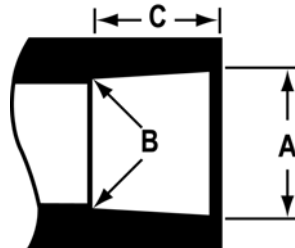
Nominal Pipe Size (inch)	Mean Outside Diameter (inch)	O.D. Tolerance (inch)	Minimum Wall Thickness (inch)	
			Schedule 40	Schedule 80
1/2	0.840	± 0.004	0.109	0.147
3/4	1.050	± 0.004	0.113	0.154
1	1.315	± 0.005	0.133	0.179
1-1/4	1.660	± 0.005	0.140	0.191
1-1/2	1.900	± 0.006	0.145	0.200
2	2.375	± 0.006	0.154	0.218
2-1/2	2.875	± 0.007	0.203	0.276
3	3.500	± 0.008	0.216	0.300
4	4.500	± 0.009	0.237	0.337
6	6.625	± 0.011	0.280	0.420
8	8.625	± 0.015	0.322	0.500
10	10.750	± 0.015	0.365	0.593
12	12.750	± 0.015	0.406	0.687

ASTM PIPE PRESSURE RATINGS



Inch	mm O.D.	Schedule 40		Schedule 80	
		psi	BAR	psi	BAR
1/2	21.34	600	41.3	850	58.6
3/4	26.67	480	33.1	690	47.5
1	33.40	450	31.0	630	43.4
1-1/4	42.16	370	25.5	520	35.8
1-1/2	48.26	330	22.7	470	32.4
2	60.32	280	19.3	400	27.5
2-1/2	73.02	300	20.6	420	28.9
3	88.90	260	17.9	370	25.5
4	114.30	220	15.1	320	22.0
6	168.28	180	12.4	280	19.3
8	219.08	160	11.0	250	17.2
10	273.05	140	9.7	230	15.8
12	323.85	130	8.9	230	15.8

SCHEDULE 40 & SCHEDULE 80 BASIC SOCKET DIMENSIONS
ASTM STANDARDS D 2466 & D 2467

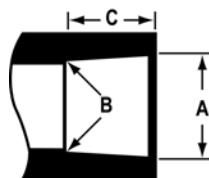


Nominal Size (inch)	Diameter			Socket Length Minimum C
	Entrance A	Bottom B	Tolerance (inch)	
1/2	0.848	0.836	± 0.004	0.688
3/4	1.058	1.046	± 0.004	0.719
1	1.325	1.310	± 0.005	0.875
1-1/4	1.670	1.655	± 0.005	0.938
1-1/2	1.912	1.894	± 0.006	1.094
2	2.387	2.369	± 0.006	1.156
2-1/2	2.889	2.868	± 0.007	1.750
3	3.516	3.492	± 0.008	1.875
4	4.518	4.491	± 0.009	2.000
6	6.647	6.614	± 0.011	3.000
8	8.655	8.610	± 0.015	4.000
10	10.780	10.735	± 0.015	5.000
12	12.780	12.735	± 0.015	6.000

Metric Fittings & Valves
PVC & CPVC Metric Fittings, Unions & Valves

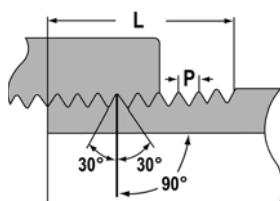


PVC METRIC FABRICATED FITTINGS BASIC SOCKET DIMENSIONS



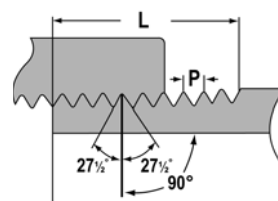
Size	Socket Entrance A		Tolerance ±		Socket Bottom B		Tolerance ±		C Socket Depth (Minimum)	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
110mm	4.346	110.39	0.015	0.38	4.316	109.63	0.015	0.38	2.500	63.50
125mm	4.934	125.32	0.016	0.41	4.930	125.22	0.016	0.41	2.750	69.85
160mm	6.319	160.50	0.020	0.51	6.270	159.26	0.020	0.51	3.500	88.90
200mm	7.900	200.66	0.026	0.66	7.848	199.34	0.026	0.66	4.250	107.95
225mm	8.870	225.30	0.029	0.74	8.829	224.26	0.029	0.74	4.750	120.65
250mm	9.875	250.83	0.032	0.81	9.811	249.20	0.032	0.81	5.250	133.35
280mm	11.059	280.90	0.035	0.89	10.992	279.20	0.035	0.89	5.750	146.05
315mm	12.441	316.00	0.039	0.99	12.363	314.02	0.039	0.99	6.500	165.10

**AMERICAN NATIONAL STANDARD TAPER PIPE THREADS
(NPT)
ANSI STANDARD B1.20.1
ASTM STANDARDS D 2464, F 437, F 1498**



Nominal Size (inch)	Threads per Inch	Effective Thread Length L inches	Pitch of Thread P inches
1/2	14	0.5337	0.07143
3/4	14	0.5457	0.07143
1	11-1/2	0.6828	0.08696
1-1/4	11-1/2	0.7068	0.08696
1-1/2	11-1/2	0.7235	0.08696
2	11-1/2	0.7565	0.08696
2-1/2	8	1.1375	0.12500
3	8	1.2000	0.12500
4	8	1.3000	0.12500

**BSP ISO 7/1
PARALLEL THREADS**



Nominal Size (inch)	Threads per Inch	Effective Thread Length L mm	Pitch of Thread P mm
1/2	14	13.152	1.8143
3/4	14	14.514	1.8143
1	11	16.714	2.3091
1-1/4	11	19.050	2.3091
1-1/2	11	19.050	2.3091
2	11	23.378	2.3091
2-1/2	11	26.698	2.3091
3	11	29.873	2.3091
4	11	35.791	2.3091

STANDARDS COMPARISON

JIS K6741 mm		DIN 8062 mm		ASTM D 1785			NPT — ANSI B1.20.1 Tapered Thread		BSP — ISO 7/1 Parallel Thread	
Nominal	Actual O.D.	Nominal	Actual O.D.	Actual O.D.			Designation	Threads per inch	Designation	Threads per 25.4mm
				Nominal	inches	mm				
16	22	15	20	1/2	.840	21.34	1/2	14	1/2	14
20	26	20	25	3/4	1.050	26.67	3/4	14	3/4	14
25	32	25	32	1	1.315	33.40	1	11-1/2	1	11
30	38	32	40	1-1/4	1.660	42.16	1-1/4	11-1/2	1-1/4	11
40	48	40	50	1-1/2	1.900	48.26	1-1/2	11-1/2	1-1/2	11
50	60	50	63	2	2.375	60.32	2	11-1/2	2	11
75	89	80	90	3	3.500	88.90	3	8	3	11
100	114	100	110	4	4.500	114.30	4	8	4	11



Metric Fittings & Valves PN16 PVC Metric Fittings & PN16 CPVC Metric Fittings

PN16 PVC Metric Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC TRANSITION COUPLING

JIS Socket (mm) x ASTM Socket (in)



PN 16 - 232 psi Pressure Rating at 23°C (73°F)

8229-016	16 DN X 1/2	25	150	197	5.68
8229-020	20 DN X 3/4	25	150	197	7.69
8229-025	25 DN X 1	20	160	197	7.90
8229-030	30 DN X 1-1/4	20	0	197	12.04
8229-040	40 DN X 1-1/2	10	0	197	12.98
8229-050	50 DN X 2	10	0	197	13.94

PVC UNION VITON®

Socket



PN 16 - 232 psi Pressure Rating at 23°C (73°F)

657-020	20 d	10	60	190	11.65
657-025	25 d	10	60	190	14.80
657-032	32 d	10	40	190	16.88

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC UNION VITON® (continued)

Socket

657-040	40 d	5	20	190	33.54
657-050	50 d	5	0	190	37.99
657-063	63 d	5	0	190	51.50

PVC UNION EPDM

Socket



PN 16 - 232 psi Pressure Rating at 23°C (73°F)

697-020	20 d	10	60	190	11.48
697-025	25 d	10	60	190	14.61
697-032	32 d	10	40	190	16.72
697-040	40 d	5	20	190	33.15
697-050	50 d	5	0	190	37.51
697-063	63 d	5	0	190	50.89

PN16 CPVC Metric Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC TRANSITION COUPLING

JIS Socket (mm) x ASTM Socket (in)



PN 16 - 232 psi Pressure Rating at 23°C (73°F)

8229-016C	16 DN X 1/2	25	150	197	6.06
8229-020C	20 DN X 3/4	25	150	197	8.47
8229-025C	25 DN X 1	20	160	197	11.41
8229-030C	30 DN X 1-1/4	20	0	197	17.09
8229-040C	40 DN X 1-1/2	10	0	197	21.51
8229-050C	50 DN X 2	10	0	197	25.00

CPVC UNION VITON®

Socket



PN 16 - 232 psi Pressure Rating at 23°C (73°F)

657-020C	20 d	10	60	192	26.01
657-025C	25 d	10	60	192	27.17
657-032C	32 d	10	40	192	32.61
657-040C	40 d	5	20	192	65.99
657-050C	50 d	5	0	192	67.19
657-063C	63 d	5	0	192	111.38

CPVC UNION EPDM

Socket



PN 16 - 232 psi Pressure Rating at 23°C (73°F)

697-020C	20 d	10	60	192	25.93
697-025C	25 d	10	40	192	26.85
697-032C	32 d	10	40	192	32.17
697-040C	40 d	5	20	192	65.14
697-050C	50 d	5	0	192	66.38
697-063C	63 d	5	0	192	110.01

Metric Fittings & Valves
Class 10/12 PVC & CPVC Metric Fittings & Class 150 Flanges



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC TEE

Socket



PN 10

6201-060	160 d	4	0	190	214.38
6201-080	225 d	2	0	190	497.20
6201-160040	160 d X 4	2	0	190	214.38
601-280	280 d	1	0	191	1642.65

PVC 90° ELL

Socket



PN 10

6206-060	160 d	4	0	190	127.48
6206-080	225 d	2	0	190	351.37
606-280	280 d	1	0	191	1572.50

PVC 45° ELL

Socket



PN 10

6217-060	160 d	5	0	190	153.20
6217-080	225 d	2	0	190	332.15
617-280	280 d	2	0	191	875.26

PVC REDUCER BUSHING

Spigot x Socket



PN 10

637-225160	225 X 160 d	3	0	190	206.05
------------	--------------------	---	---	-----	--------

PVC CAP

Socket



PN 10

6247-060	160 d	4	0	190	248.60
----------	--------------	---	---	-----	--------

CPVC WYE

Socket



PN 10

6275-160110C	160 d X 110 d	5	0	192	603.56
--------------	----------------------	---	---	-----	--------

PVC FLANGE* Van Stone Style

ASTM Socket x Multi-bolt Pattern Ring



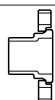
150 psi

M854-020	2	10	0	080	28.63
M854-060	6	5	0	080	97.24
M854-080	8	2	0	080	158.35

* Hubs fit 2", 6" and 8" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

PVC FLANGE* Van Stone Style

Spigot x Multi-bolt Pattern Ring



150 psi

M856-020	2	10	0	080	28.85
M856-060	6	4	0	080	98.04
M856-080	8	2	0	080	159.54

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC FLANGE* Van Stone Style (continued)

Spigot x Multi-bolt Pattern Ring

* Spigots fit 2", 6" and 8" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

PVC FLANGE* Van Stone Style

ASTM Socket x Table D&E Drilling



150 psi

854-030DE	3"/80 nom.	10	0	080	48.87
854-040DE	4"/110 nom.	5	0	080	61.82

* Hubs fit 3" or 4" ASTM IPS Pipe. Rings are manufactured to BS 10 Table D & Table E bolt patterns.

PVC FLANGE* Van Stone Style

ASTM Spigot x Table D&E Drilling



150 psi

856-030DE	3"/80 nom.	10	0	080	49.26
856-040DE	4"/110 nom.	10	0	080	62.33

* Spigots fit 3" or 4" ASTM IPS fitting sockets. Rings are manufactured to BS 10 Table D & Table E bolt patterns.

PVC FLANGE* Van Stone Style

ASTM Socket x DIN PN 10/16 Drilling



150 psi

854-030DIN	3"/80 nom.	10	0	080	48.87
854-040DIN	4"/110 nom.	5	0	080	61.82

* Hubs fit 3" or 4" ASTM IPS Pipe. Rings are manufactured to DIN 8063-4 PN 10 and PN 16 bolt patterns.

PVC FLANGE* Van Stone Style

ASTM Spigot x DIN PN 10/16 Drilling



150 psi

856-030DIN	3"/80 nom.	10	0	080	49.26
856-040DIN	4"/110 nom.	5	0	080	62.33

* Spigots fit 3" or 4" ASTM IPS fitting sockets. Rings are manufactured to DIN 8063-4 PN 10 and PN 16 bolt patterns.

PVC FLANGE* Van Stone Style

Metric Socket x Multi Pattern Ring



150 psi

6254-160	160 d	5	0	190	97.24
6254-200	200 d	2	0	190	158.35
6254-225	225 d	2	0	190	158.35
6254-280	280 d	2	0	191	205.00

* Hubs are manufactured to fit 160mm - 225mm and 280 mm O.D. Pipe. Rings are manufactured to accept bolt patterns for ANSI Class 150, B.S. 4504 NP10, B.S. 4504 NP16 (except 225mm), B.S. 10 Table D (except 280mm) and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.



Metric Fittings & Valves PVC ASTM Schedule 40 Socket x BSP Adapter Fittings (White & Gray)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC WHITE TEE ASTM Socket x FBSP



SCH 40

302-007	3/4	50	0	195	1.56
302-010	1	50	0	195	2.89
302-131	1X3/4	50	0	195	2.89
302-211	1-1/2X1	25	0	195	5.99
302-249	2X1	10	0	195	7.54

PVC WHITE 90° ELL ASTM Socket x FBSP



SCH 40

307-007	3/4	50	0	195	.87
307-010	1	50	0	195	1.63
307-131	1X3/4	50	0	195	2.51
307-211	1-1/2X1	25	0	195	6.07

HDPE BLACK 90° STREET ELL MBSP x FBSP



N.P.R.

M312-010	1	50	0	195	3.51
----------	---	----	---	-----	------

PVC WHITE RISER EXTENSION MBSP x FBSP



SCH 40

334-007	3/4	50	400	195	1.88
334-010	1	50	0	195	2.35

PVC WHITE FEMALE ADAPTER ASTM Socket x FBSP



SCH 40

335-010	1	50	0	195	1.01
335-012	1-1/4	25	0	195	1.56
335-015	1-1/2	25	0	195	1.79
335-020	2	10	0	195	2.40

PVC WHITE MALE ADAPTER MBSP x ASTM Socket



SCH 40

336-005	1/2	50	300	195	.55
336-007	3/4	50	400	195	.61
336-010	1	50	300	195	1.10
336-012	1-1/4	25	200	195	1.34
336-015	1-1/2	25	0	195	1.79
336-020	2	25	0	195	2.35
336-030	3	10	0	195	10.14
336-131	1X3/4	50	400	195	3.36

PVC WHITE FEMALE ADAPTER ASTM Spigot x FBSP

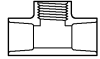


SCH 40

378-010	1	50	0	195	1.54
378-015	1-1/2	20	0	195	2.49
378-020	2	20	0	195	3.66

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

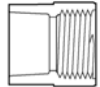
PVC GRAY TEE Socket



SCH 40

302-010G	1	50	0	196	3.23
302-012G	1-1/4	25	0	196	5.13
302-211G	1-1/2X1	25	0	196	6.64
302-249G	2X1	10	0	196	8.38

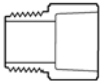
PVC GRAY FEMALE ADAPTER ASTM Socket x FBSP



SCH 40

335-010G	1	50	0	196	1.13
335-012G	1-1/4	25	0	196	1.72
335-015G	1-1/2	25	0	196	2.01
335-020G	2	10	0	196	2.69
335-025G	2-1/2	5	0	196	6.77

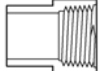
PVC GRAY MALE ADAPTER MBSP x ASTM Socket



SCH 40

336-010G	1	50	300	196	1.21
336-012G	1-1/4	25	200	196	1.46
336-015G	1-1/2	25	0	196	2.01
336-020G	2	25	0	196	2.60
336-025G	2-1/2	5	0	196	7.69
336-030G	3	10	0	196	11.28
336-040G	4	5	0	196	14.35

PVC GRAY FEMALE ADAPTER ASTM Spigot x FBSP



378-010G	1	50	0	196	1.62
378-015G	1-1/2	25	0	196	2.77
378-020G	2	20	0	196	4.07

PVC GRAY TAKE-OFF ADAPTER Spigot x MBSP



SCH 40

361-005G	1/2	50	300	196	.97
361-007G	3/4	50	400	196	1.10
361-010G	1	50	0	196	1.90
361-012G	1-1/4	25	100	196	2.35
361-015G	1-1/2	25	0	196	3.14
361-020G	2	25	0	196	3.87

PVC GRAY REDUCING TAKE-OFF ADAPTER Spigot/Socket x MBSP



SCH 40

361-168G	1-1/4X1X1	25	100	196	2.35
361-212G	1-1/2X1-1/4X1-1/4	25	0	196	3.14
361-251G	2X1-1/2X1-1/2	25	0	196	3.87

Metric Fittings & Valves PVC Transition Unions



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Soc with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8657-020	20 d X 1/2	10	60	197	10.46
8657-025	25 d X 3/4	10	40	197	13.32
8657-032	32 d X 1	10	40	197	15.20
8657-040	40 d X 1-1/4	10	0	197	30.19
8657-050	50 d X 1-1/2	10	0	197	34.19
8657-063	63 d X 2	5	0	197	46.37
8657-090	90 d X 3	5	0	197	86.31
8657-110	110 d X 4	4	0	197	120.21

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Fipt with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8658-020	20 d X 1/2	10	60	197	12.78
8658-025	25 d X 3/4	20	80	197	17.86
8658-032	32 d X 1	15	90	197	23.76
8658-040	40 d X 1-1/4	10	0	197	45.37
8658-050	50 d X 1-1/2	10	0	197	56.16
8658-063	63 d X 2	5	0	197	86.41
8658-090	90 d X 3	5	0	197	203.98
8658-110	110 d X 4	4	0	197	234.43

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Soc with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8697-020	20 d X 1/2	20	240	197	10.33
8697-025	25 d X 3/4	10	60	197	13.16
8697-032	32 d X 1	15	90	197	15.05
8697-040	40 d X 1-1/4	10	0	197	29.83
8697-050	50 d X 1-1/2	10	0	197	33.77
8697-063	63 d X 2	5	0	197	45.80
8697-090	90 d X 3	5	0	197	85.23
8697-110	110 d X 4	4	0	197	117.88

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8698-020	20 d X 1/2	20	160	197	12.60
8698-025	25 d X 3/4	20	80	197	17.63
8698-032	32 d X 1	15	90	197	23.46
8698-040	40 d X 1-1/4	10	0	197	44.59
8698-050	50 d X 1-1/2	10	0	197	55.46
8698-063	63 d X 2	5	0	197	85.35
8698-090	90 d X 3	5	0	197	201.43
8698-110	110 d X 4	4	0	197	231.28

PVC Transition Union

JIS (mm) Soc x ASTM (in.) Soc with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8257-016	16 DN X 1/2	20	160	197	10.46
8257-020	20 DN X 3/4	10	40	197	13.32
8257-025	25 DN X 1	15	90	197	15.20
8257-030	30 DN X 1-1/4	10	0	197	30.19
8257-040	40 DN X 1-1/2	10	0	197	34.19
8257-050	50 DN X 2	5	0	197	46.37
8257-075	75 DN X 3	5	0	197	86.31
8257-100	100 DN X 4	4	0	197	120.21

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

PVC Transition Union

JIS (mm) Soc x ASTM (in.) Fipt with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8258-016	16 DN X 1/2	20	160	197	12.78
8258-020	20 DN X 3/4	20	80	197	17.86
8258-025	25 DN X 1	15	90	197	23.76
8258-030	30 DN X 1-1/4	10	0	197	45.37
8258-040	40 DN X 1-1/2	10	0	197	56.16
8258-050	50 DN X 2	5	0	197	86.41
8258-075	75 DN X 3	5	0	197	203.98
8258-100	100 DN X 4	4	0	197	234.43

PVC Transition Union

JIS (mm) Soc x ASTM (in.) Soc with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8297-016	16 DN X 1/2	20	160	197	10.33
8297-020	20 DN X 3/4	20	80	197	13.16
8297-025	25 DN X 1	15	90	197	15.05
8297-030	30 DN X 1-1/4	10	0	197	29.83
8297-040	40 DN X 1-1/2	10	0	197	33.77
8297-050	50 DN X 2	5	0	197	45.80
8297-075	75 DN X 3	5	0	197	85.23
8297-100	100 DN X 4	4	0	197	117.88

PVC Transition Union

JIS (mm) Soc x ASTM (in.) Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8298-016	16 DN X 1/2	20	160	197	12.60
8298-020	20 DN X 3/4	20	80	197	17.63
8298-025	25 DN X 1	15	90	197	23.46
8298-030	30 DN X 1-1/4	10	0	197	44.59
8298-040	40 DN X 1-1/2	10	0	197	55.46
8298-050	50 DN X 2	5	0	197	85.35
8298-075	75 DN X 3	5	0	197	201.43
8298-100	100 DN X 4	4	0	197	231.28

PVC Transition Union

BSP Thread (in.) x ASTM (in.) Soc with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8359-005	1/2	20	160	197	12.78
8359-007	3/4	20	80	197	17.86
8359-010	1	15	90	197	23.76
8359-012	1-1/4	10	0	197	45.37
8359-015	1-1/2	10	0	197	56.16
8359-020	2	5	0	197	86.41
8359-030	3	5	0	197	203.98
8359-040	4	4	0	197	234.43

PVC Transition Union

BSP Thread (in.) x ASTM (in.) Fipt with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8358-005	1/2	20	160	197	12.18
8358-007	3/4	20	80	197	17.01
8358-010	1	15	90	197	22.65
8358-012	1-1/4	10	0	197	43.21
8358-015	1-1/2	10	0	197	53.49
8358-020	2	5	0	197	82.31
8358-030	3	5	0	197	208.77
8358-040	4	4	0	197	245.35



Metric Fittings & Valves PVC Transition Unions & True Union Ball Valves (Regular Style)

PVC Transition Unions

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Transition Union

BSP Thread (in.) x ASTM (in.) Soc with EPDM O-ring Seal



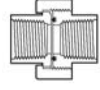
235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8399-005	1/2	10	60	197	12.60
8399-007	3/4	20	80	197	17.63
8399-010	1	15	90	197	23.46
8399-012	1-1/4	10	0	197	44.81
8399-015	1-1/2	10	0	197	55.46
8399-020	2	5	0	197	85.35
8399-030	3	5	0	197	201.43
8399-040	4	4	0	197	231.28

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Transition Union

BSP Thread (in.) x ASTM (in.) Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8398-005	1/2	10	60	197	12.00
8398-007	3/4	10	40	197	16.80
8398-010	1	10	40	197	22.36
8398-012	1-1/4	5	20	197	42.67
8398-015	1-1/2	5	0	197	52.82
8398-020	2	5	0	197	84.86
8398-030	3	5	0	197	206.19
8398-040	4	4	0	197	241.15

True Union Ball Valves (Regular Style)



Pressure Rating @ 73°F (23°C), Water
2-1/2" - 4" PN 10

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Rated for Vacuum Service

PTFE Seats

PVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
2324-025	75MM	1	0	238	307.61
2324-030	90MM	1	0	238	405.56
2324-040	110MM	1	0	238	685.23

PVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
2334-025	75MM	1	0	238	416.81
2334-030	90MM	1	0	238	450.63
2334-040	110MM	1	0	238	761.35

PVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
2325-025	2-1/2	1	0	238	307.61
2325-030	3	1	0	238	405.56
2325-040	4	1	0	238	685.23

PVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
2335-025	2-1/2	1	0	238	416.81
2335-030	3	1	0	238	450.63
2335-040	4	1	0	238	761.35

CPVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
2324-025C	75MM	1	0	239	514.91

CPVC True Union Ball Valve (Regular Style) (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
2324-030C	90MM	1	0	239	602.06
2324-040C	110MM	1	0	239	1090.95

CPVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
2334-025C	75MM	1	0	239	572.10
2334-030C	90MM	1	0	239	668.98
2334-040C	110MM	1	0	239	1212.17

CPVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
2325-025C	2-1/2	1	0	239	515.04
2325-030C	3	1	0	239	602.06
2325-040C	4	1	0	239	1090.95

CPVC True Union Ball Valve (Regular Style)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
2335-025C	2-1/2	1	0	239	572.10
2335-030C	3	1	0	239	668.98
2335-040C	4	1	0	239	1212.17

Metric Fittings & Valves

PVC & CPVC True Union 2000 Industrial Ball Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply
Rated for Vacuum Service
PTFE Seats
Locking Handle

PVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
1824-005	20 d	1	18	238	47.21
1824-007	25 d	1	18	238	55.86
1824-010	32 d	1	12	238	66.52
1824-012	40 d	1	8	238	92.02
1824-015	50 d	1	8	238	110.84
1824-020	63 d	1	4	238	146.26

PVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
1834-005	20 d	1	18	238	52.51
1834-007	25 d	1	18	238	62.14
1834-010	32 d	1	12	238	74.09
1834-012	40 d	1	8	238	117.46
1834-015	50 d	1	8	238	123.04
1834-020	63 d	1	4	238	161.06

PVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
1825-005	1/2	1	18	238	47.21
1825-007	3/4	1	18	238	55.86
1825-010	1	1	12	238	66.52
1825-012	1-1/4	1	8	238	92.02
1825-015	1-1/2	1	8	238	110.84
1825-020	2	1	4	238	146.26

PVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
1835-005	1/2	1	18	238	52.51
1835-007	3/4	1	18	238	62.14
1835-010	1	1	12	238	74.09
1835-012	1-1/4	1	8	238	117.46
1835-015	1-1/2	1	8	238	123.04
1835-020	2	1	4	238	161.06

PVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC EPDM					
1828-005	16 DN	1	18	238	47.21
1828-007	20 DN	1	18	238	55.86
1828-010	25 DN	1	12	238	66.52
1828-012	30 DN	1	8	238	92.02
1828-015	40 DN	1	8	238	110.84
1828-020	50 DN	1	4	238	146.26

PVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC Viton®					
1838-005	16 DN	1	18	238	52.51
1838-007	20 DN	1	18	238	62.14
1838-010	25 DN	1	12	238	74.09

PVC True Union 2000 Industrial Ball Valves (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC Viton®					
1838-012	30 DN	1	8	238	117.46
1838-015	40 DN	1	8	238	123.04
1838-020	50 DN	1	4	238	161.06

CPVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
1824-005C	20 d	1	18	239	62.35
1824-007C	25 d	1	18	239	78.52
1824-010C	32 d	1	12	239	93.48
1824-012C	40 d	1	8	239	148.61
1824-015C	50 d	1	8	239	156.95
1824-020C	63 d	1	4	239	209.90

CPVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
1834-005C	20 d	1	18	239	69.28
1834-007C	25 d	1	18	239	87.27
1834-010C	32 d	1	12	239	103.86
1834-012C	40 d	1	8	239	165.17
1834-015C	50 d	1	8	239	174.39
1834-020C	63 d	1	4	239	241.30

CPVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
1825-005C	1/2	1	18	239	62.35
1825-007C	3/4	1	18	239	78.52
1825-010C	1	1	12	239	93.48
1825-012C	1-1/4	1	8	239	148.61
1825-015C	1-1/2	1	8	239	156.95
1825-020C	2	1	4	239	209.90

CPVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
1835-005C	1/2	1	18	239	69.28
1835-007C	3/4	1	18	239	87.27
1835-010C	1	1	12	239	103.86
1835-012C	1-1/4	1	8	239	165.17
1835-015C	1-1/2	1	8	239	174.39
1835-020C	2	1	4	239	241.30

CPVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC EPDM					
1828-005C	16 DN	1	18	239	62.35
1828-007C	20 DN	1	18	239	78.52
1828-010C	25 DN	1	12	239	93.48
1828-012C	30 DN	1	8	239	148.61
1828-015C	40 DN	1	8	239	156.95

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 671



Metric Fittings & Valves
PVC & CPVC True Union 2000 Industrial Ball Valves & PVC & CPVC True Union 2000 Standard Ball Valves

PVC & CPVC True Union 2000 Industrial Ball Valves

CPVC True Union 2000 Industrial Ball Valves (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC EPDM

1828-020C	50 DN	1	4	239	209.90
-----------	--------------	---	---	-----	--------

CPVC True Union 2000 Industrial Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC Viton®

1838-005C	16 DN	1	18	239	69.28
-----------	--------------	---	----	-----	-------

CPVC True Union 2000 Industrial Ball Valves (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC Viton®

1838-007C	20 DN	1	18	239	87.27
1838-010C	25 DN	1	12	239	103.57
1838-012C	30 DN	1	8	239	165.17
1838-015C	40 DN	1	8	239	174.39
1838-020C	50 DN	1	4	239	241.30

PVC & CPVC True Union 2000 Standard Ball Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" PN 16

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Pressure Deratings Apply
 PE Seats

PVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC EPDM

3624-005	20 d	1	18	238	37.78
3624-007	25 d	1	18	238	44.68
3624-010	32 d	1	18	238	53.22
3624-012	40 d	1	12	238	73.61
3624-015	50 d	1	8	238	88.68
3624-020	63 d	1	8	238	117.02

PVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC Viton®

3634-005	20 d	1	18	238	42.02
3634-007	25 d	1	18	238	49.70
3634-010	32 d	1	18	238	59.28
3634-012	40 d	1	12	238	93.96
3634-015	50 d	1	8	238	98.44
3634-020	63 d	1	8	238	128.84

PVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded EPDM

3625-005	1/2	1	18	238	37.78
3625-007	3/4	1	18	238	44.68
3625-010	1	1	18	238	53.22
3625-012	1-1/4	1	12	238	73.61
3625-015	1-1/2	1	8	238	88.68
3625-020	2	1	8	238	117.02

PVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded Viton®

3635-005	1/2	1	18	238	42.02
3635-007	3/4	1	18	238	49.70
3635-010	1	1	18	238	59.28
3635-015	1-1/2	1	8	238	98.44
3635-012	1-1/4	1	12	238	93.96
3635-020	2	1	8	238	128.84

PVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC EPDM

3628-005	16 DN	1	18	238	37.78
3628-007	20 DN	1	18	238	44.68
3628-010	25 DN	1	18	238	53.22
3628-012	30 DN	1	12	238	73.61
3628-015	40 DN	1	8	238	88.68
3628-020	50 DN	1	8	238	117.02

PVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC Viton®

3638-005	16 DN	1	18	238	42.02
3638-007	20 DN	1	18	238	49.70
3638-010	25 DN	1	18	238	59.28
3638-012	30 DN	1	12	238	93.96
3638-015	40 DN	1	8	238	98.44
3638-020	50 DN	1	8	238	128.84

CPVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC EPDM

3624-005C	20 d	1	18	239	49.86
3624-007C	25 d	1	18	239	62.82
3624-010C	32 d	1	18	239	74.79
3624-012C	40 d	1	12	239	118.90
3624-015C	50 d	1	8	239	125.55
3624-020C	63 d	1	8	239	167.94

CPVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC Viton®

3634-005C	20 d	1	18	239	55.44
3634-007C	25 d	1	18	239	69.82
3634-010C	32 d	1	18	239	83.10
3634-012C	40 d	1	12	239	132.15
3634-015C	50 d	1	8	239	139.51
3634-020C	63 d	1	8	239	193.05



PVC & CPVC True Union 2000 Standard Ball Valves

CPVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
3625-005C	1/2	1	18	239	49.86
3625-007C	3/4	1	18	239	62.82
3625-010C	1	1	18	239	74.49
3625-012C	1-1/4	1	12	239	118.90
3625-015C	1-1/2	1	8	239	125.55
3625-020C	2	1	8	239	167.94

CPVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
3635-005C	1/2	1	18	239	55.44
3635-007C	3/4	1	18	239	69.82
3635-010C	1	1	18	239	83.10
3635-012C	1-1/4	1	12	239	132.15
3635-015C	1-1/2	1	8	239	139.51
3635-020C	2	1	8	239	193.05

CPVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC EPDM					
3628-005C	16 DN	1	18	239	49.86
3628-007C	20 DN	1	18	239	62.82
3638-010C	25 DN	1	18	239	83.10
3628-012C	30 DN	1	12	239	118.90
3628-015C	40 DN	1	8	239	125.55
3628-020C	50 DN	1	8	239	167.94

CPVC True Union 2000 Standard Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC Viton®					
3638-005C	16 DN	1	18	239	55.44
3638-007C	20 DN	1	18	239	69.82
3638-010C	25 DN	1	18	239	83.10
3638-012C	30 DN	1	12	239	132.15
3638-015C	40 DN	1	8	239	139.51
3638-020C	50 DN	1	8	239	193.05

PVC & CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves



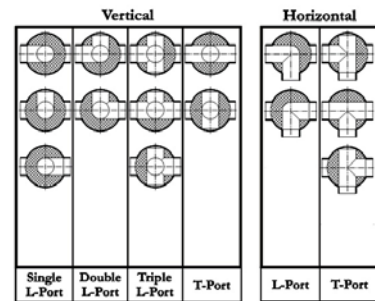
Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Vertical 3-Way or Horizontal Diverter No Branch Shut-off)

All Standard Carton Quantities are one
All Valves assembled with Silicone-Free, Water Soluble Lubricant
Contact Spears® for Pricing on Additional Specialty Valves Available



Ball port options viewed from top of valve

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L1 Port EPDM					
5024L1-005	20 d	1	12	238	97.41
5024L1-007	25 d	1	8	238	116.18
5024L1-010	32 d	1	8	238	140.86
5024L1-012	40 d	1	8	238	163.27
5024L1-015	50 d	1	8	238	190.90
5024L1-020	63 d	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L1 Port Viton®					
5034L1-005	20 d	1	12	238	105.66
5034L1-007	25 d	1	8	238	125.05
5034L1-010	32 d	1	8	238	155.18
5034L1-012	40 d	1	8	238	183.65
5034L1-015	50 d	1	8	238	209.00
5034L1-020	63 d	1	0	238	273.02

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L1 Port EPDM					
5025L1-005	1/2	1	12	238	97.41
5025L1-007	3/4	1	8	238	116.18
5025L1-010	1	1	8	238	140.86
5025L1-012	1-1/4	1	8	238	163.27
5025L1-015	1-1/2	1	8	238	190.90
5025L1-020	2	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L1 Port Viton®					
5035L1-005	1/2	1	12	238	105.66
5035L1-007	3/4	1	8	238	125.05
5035L1-010	1	1	8	238	155.18
5035L1-012	1-1/4	1	8	238	183.65
5035L1-015	1-1/2	1	8	238	209.00
5035L1-020	2	1	0	238	273.02



Metric Fittings & Valves
PVC & CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L1 Port EPDM

5028L1-005	16 DN	1	12	238	97.41
5028L1-007	20 DN	1	8	238	116.18
5028L1-010	25 DN	1	8	238	140.86
5028L1-012	30 DN	1	8	238	163.27
5028L1-015	40 DN	1	8	238	190.90
5028L1-020	50 DN	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L1 Port Viton®

5038L1-005	16 DN	1	12	238	105.66
5038L1-007	20 DN	1	8	238	125.05
5038L1-010	25 DN	1	8	238	155.18
5038L1-012	32 DN	1	8	238	183.65
5038L1-015	40 DN	1	8	238	209.00
5038L1-020	50 DN	1	0	238	273.02

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with T1 Port EPDM

5024T1-005	20 d	1	12	238	97.41
5024T1-007	25 d	1	8	238	116.18
5024T1-010	32 d	1	8	238	140.86
5024T1-012	40 d	1	8	238	163.27
5024T1-015	50 d	1	8	238	190.90
5024T1-020	63 d	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with T1 Port Viton®

5034T1-005	20 d	1	12	238	105.66
5034T1-007	25 d	1	8	238	125.05
5034T1-010	32 d	1	8	238	155.18
5034T1-012	40 d	1	8	238	183.65
5034T1-015	50 d	1	8	238	209.00
5034T1-020	63 d	1	0	238	273.02

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with T1 Port EPDM

5025T1-005	1/2	1	12	238	97.41
5025T1-007	3/4	1	8	238	116.18
5025T1-010	1	1	8	238	140.86
5025T1-012	1-1/4	1	8	238	163.27
5025T1-015	1-1/2	1	8	238	190.90
5025T1-020	2	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with T1 Port Viton®

5035T1-005	1/2	1	12	238	105.66
5035T1-007	3/4	1	8	238	125.05
5035T1-010	1	1	8	238	155.18
5035T1-012	1-1/4	1	8	238	183.65
5035T1-015	1-1/2	1	8	238	209.00
5035T1-020	2	1	0	238	273.02

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with T1 Port EPDM

5028T1-005	16 DN	1	12	238	97.41
5028T1-007	20 DN	1	8	238	116.18
5028T1-010	25 DN	1	8	238	140.86
5028T1-012	30 DN	1	8	238	163.27
5028T1-015	40 DN	1	8	238	190.90
5028T1-020	50 DN	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with T1 Port Viton®

5038T1-005	16 DN	1	12	238	105.66
5038T1-007	20 DN	1	8	238	125.05
5038T1-010	25 DN	1	8	238	155.18
5038T1-012	32 DN	1	8	238	183.65
5038T1-015	40 DN	1	8	238	209.00
5038T1-020	50 DN	1	0	238	273.02

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L1 Port EPDM

5024L1-005C	20 d	1	12	239	149.93
5024L1-007C	25 d	1	8	239	178.71
5024L1-010C	32 d	1	8	239	216.71
5024L1-012C	40 d	1	8	239	251.13
5024L1-015C	50 d	1	8	239	293.76
5024L1-020C	63 d	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L1 Port Viton®

5034L1-005C	20 d	1	12	239	162.43
5034L1-007C	25 d	1	8	239	192.37
5034L1-010C	32 d	1	8	239	238.78
5034L1-012C	40 d	1	8	239	281.56
5034L1-015C	50 d	1	8	239	321.52
5034L1-020C	63 d	1	0	239	420.01

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L1 Port EPDM

5025L1-005C	1/2	1	12	239	149.93
5025L1-007C	3/4	1	8	239	178.71
5025L1-010C	1	1	8	239	216.71
5025L1-012C	1-1/4	1	8	239	251.13
5025L1-015C	1-1/2	1	8	239	293.76
5025L1-020C	2	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L1 Port Viton®

5035L1-005C	1/2	1	12	239	162.43
5035L1-007C	3/4	1	8	239	192.37
5035L1-010C	1	1	8	239	238.78
5035L1-012C	1-1/4	1	8	239	290.76
5035L1-015C	1-1/2	1	8	239	321.52
5035L1-020C	2	1	0	239	420.01

Metric Fittings & Valves
PVC & CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves



CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L1 Port EPDM					
5028L1-005C	16 DN	1	12	239	149.93
5028L1-007C	20 DN	1	8	239	178.71
5028L1-010C	25 DN	1	8	239	216.71
5028L1-012C	30 DN	1	8	239	251.13
5028L1-015C	40 DN	1	8	239	293.76
5028L1-020C	50 DN	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L1 Port Viton®					
5038L1-005C	16 DN	1	12	239	162.43
5038L1-007C	20 DN	1	8	239	192.37
5038L1-010C	25 DN	1	8	239	238.78
5038L1-012C	32 DN	1	8	239	281.56
5038L1-015C	40 DN	1	8	239	321.52
5038L1-020C	50 DN	1	0	239	420.01

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with T1 Port EPDM					
5024T1-005C	20 d	1	12	239	149.93
5024T1-007C	25 d	1	8	239	178.71
5024T1-010C	32 d	1	8	239	216.71
5024T1-012C	40 d	1	8	239	251.13
5024T1-015C	50 d	1	8	239	293.76
5024T1-020C	63 d	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with T1 Port Viton®					
5034T1-005C	20 d	1	12	239	162.43
5034T1-007C	25 d	1	8	239	192.37
5034T1-010C	32 d	1	8	239	238.78
5034T1-012C	40 d	1	8	239	281.56
5034T1-015C	50 d	1	8	239	321.52
5034T1-020C	63 d	1	0	239	420.01

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with T1 Port EPDM					
5025T1-005C	1/2	1	12	239	149.93
5025T1-007C	3/4	1	8	239	178.71
5025T1-010C	1	1	8	239	216.71
5025T1-012C	1-1/4	1	8	239	251.13
5025T1-015C	1-1/2	1	8	239	293.76
5025T1-020C	2	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with T1 Port Viton®					
5035T1-005C	1/2	1	12	239	162.43
5035T1-007C	3/4	1	8	239	192.37
5035T1-010C	1	1	8	239	238.78
5035T1-012C	1-1/4	1	8	239	281.56
5035T1-015C	1-1/2	1	8	239	321.52
5035T1-020C	2	1	0	239	420.01

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with T1 Port EPDM					
5028T1-005C	16 DN	1	720	239	149.93
5028T1-007C	20 DN	1	8	239	178.71
5028T1-010C	25 DN	1	8	239	216.71
5028T1-012C	30 DN	1	8	239	251.13
5028T1-015C	40 DN	1	8	239	293.76
5028T1-020C	50 DN	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with T1 Port Viton®					
5038T1-005C	16 DN	1	12	239	162.43
5038T1-007C	20 DN	1	8	239	192.37
5038T1-010C	25 DN	1	8	239	238.78
5038T1-012C	32 DN	1	8	239	281.56
5038T1-015C	40 DN	1	8	239	321.52
5038T1-020C	50 DN	1	0	239	420.01



Metric Fittings & Valves

PVC & CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves



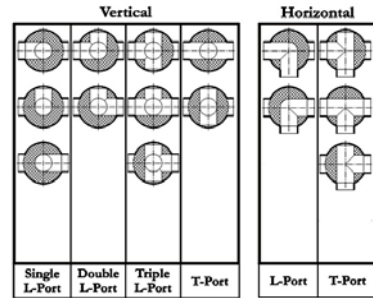
Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Vertical 3-Way or Horizontal Diverter (No Branch Shut-off)

All Standard Carton Quantities are one
All Valves assembled with Silicone-Free, Water Soluble Lubricant
Contact Spears® for Pricing on Additional Specialty Valves Available



Ball port options viewed from top of valve

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L1 Port EPDM

4724L1-005	20 d	1	12	238	96.93
4724L1-007	25 d	1	8	238	113.70
4724L1-010	32 d	1	8	238	138.22
4724L1-012	40 d	1	8	238	167.19
4724L1-015	50 d	1	8	238	193.34
4724L1-020	63 d	1	4	238	237.13

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L1 port Viton®

4734L1-005	20 d	1	12	238	104.98
4734L1-007	25 d	1	8	238	123.91
4734L1-010	32 d	1	8	238	153.88
4734L1-012	40 d	1	8	238	196.99
4734L1-015	50 d	1	8	238	211.95
4734L1-020	63 d	1	4	238	275.32

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L1 Port EPDM

4725L1-005	1/2	1	12	238	96.93
4725L1-007	3/4	1	8	238	113.70
4725L1-010	1	1	8	238	138.22
4725L1-012	1-1/4	1	8	238	167.19
4725L1-015	1-1/2	1	8	238	193.34
4725L1-020	2	1	4	238	237.13

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L1 Port Viton®

4735L1-005	1/2	1	12	238	104.98
4735L1-007	3/4	1	8	238	123.91
4735L1-010	1	1	8	238	153.88
4735L1-012	1-1/4	1	8	238	196.99
4735L1-015	1-1/2	1	8	238	211.95
4735L1-020	2	1	4	238	275.32

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L1 port EPDM

4728L1-005	16 DN	1	12	238	96.93
4728L1-007	20 DN	1	8	238	113.70

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L1 port EPDM

4728L1-010	25 DN	1	8	238	138.22
4728L1-012	32 DN	1	8	238	167.19
4728L1-015	40 DN	1	8	238	193.34
4728L1-020	50 DN	1	4	238	237.13

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L1 Port Viton®

4738L1-005	16 DN	1	12	238	104.98
4738L1-007	20 DN	1	8	238	123.91
4738L1-010	25 DN	1	8	238	153.88
4738L1-012	30 DN	1	8	238	196.99
4738L1-015	40 DN	1	8	238	211.95
4738L1-020	50 DN	1	4	238	275.32

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L2 Port EPDM

4724L2-005	20 d	1	12	238	193.04
4724L2-007	25 d	1	8	238	209.82
4724L2-010	32 d	1	8	238	234.36
4724L2-012	40 d	1	8	238	263.31
4724L2-015	50 d	1	8	238	289.47
4724L2-020	63 d	1	4	238	333.22

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L2 Port Viton®

4734L2-005	20 d	1	12	238	201.10
4734L2-007	25 d	1	8	238	220.02
4734L2-010	32 d	1	8	238	249.96
4734L2-012	40 d	1	8	238	293.10
4734L2-015	50 d	1	8	238	308.05
4734L2-020	63 d	1	4	238	371.43

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L2 Port EPDM

4725L2-005	1/2	1	12	238	193.04
4725L2-007	3/4	1	8	238	209.82
4725L2-010	1	1	8	238	234.36
4725L2-012	1-1/4	1	8	238	263.31

Metric Fittings & Valves
PVC & CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves



PVC True Union 2000 Industrial 3-Way Vertical Ball Valves (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L2 Port EPDM

4725L2-015	1-1/2	1	8	238	289.47
4725L2-020	2	1	4	238	333.22

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L2 Port Viton®

4735L2-005	1/2	1	720	238	201.10
4735L2-007	3/4	1	8	238	220.02
4735L2-010	1	1	8	238	249.96
4735L2-012	1-1/4	1	8	238	293.10
4735L2-015	1-1/2	1	8	238	308.05
4735L2-020	2	1	4	238	371.43

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L2 Port EPDM

4728L2-005	16 DN	1	12	238	193.04
4728L2-007	20 DN	1	8	238	209.82
4728L2-010	25 DN	1	8	238	234.36
4728L2-012	30 DN	1	8	238	263.31
4728L2-015	40 DN	1	8	238	289.47
4728L2-020	50 DN	1	4	238	333.22

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L2 Port Viton®

4738L2-005	16 DN	1	12	238	201.10
4738L2-007	20 DN	1	8	238	220.02
4738L2-010	25 DN	1	8	238	249.96
4738L2-012	30 DN	1	8	238	293.10
4738L2-015	40 DN	1	8	238	308.05
4738L2-020	50 DN	1	4	238	371.43

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L3 Port EPDM

4724L3-005	20 d	1	12	238	193.04
4724L3-007	25 d	1	8	238	209.82
4724L3-010	32 d	1	8	238	234.36
4724L3-012	40 d	1	8	238	263.31
4724L3-015	50 d	1	8	238	289.47
4724L3-020	63 d	1	4	238	333.22

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with L3 Port Viton®

4734L3-005	20 d	1	12	238	201.10
4734L3-007	25 d	1	8	238	220.02
4734L3-010	32 d	1	8	238	249.96
4734L3-012	40 d	1	8	238	293.10
4734L3-015	50 d	1	8	238	308.05
4734L3-020	63 d	1	4	238	371.43

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L3 Port EPDM

4725L3-005	1/2	1	12	238	193.04
4725L3-007	3/4	1	8	238	209.82
4725L3-010	1	1	8	238	234.36
4725L3-012	1-1/4	1	8	238	263.31
4725L3-015	1-1/2	1	8	238	289.47
4725L3-020	2	1	4	238	333.22

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with L3 Port Viton®

4735L3-005	1/2	1	12	238	201.10
4735L3-007	3/4	1	8	238	220.02
4735L3-010	1	1	8	238	249.96
4735L3-012	1-1/4	1	8	238	293.10
4735L3-015	1-1/2	1	8	238	308.05
4735L3-020	2	1	4	238	371.43

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L3 Port EPDM

4728L3-005	16 DN	1	12	238	193.04
4728L3-007	20 DN	1	8	238	209.82
4728L3-010	25 DN	1	8	238	234.36
4728L3-012	30 DN	1	8	238	263.31
4728L3-015	40 DN	1	8	238	289.47
4728L3-020	50 DN	1	4	238	333.22

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with L3 Port Viton®

4738L3-005	16 DN	1	12	238	201.10
4738L3-007	20 DN	1	8	238	220.02
4738L3-010	25 DN	1	8	238	249.96
4738L3-012	30 DN	1	8	238	293.10
4738L3-015	40 DN	1	8	238	308.05
4738L3-020	50 DN	1	4	238	371.43

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with T1 Port EPDM

4724T1-005	20 d	1	12	238	96.93
4724T1-007	25 d	1	8	238	113.70
4724T1-010	32 d	1	8	238	138.22
4724T1-012	40 d	1	8	238	167.19
4724T1-015	50 d	1	8	238	193.34
4724T1-020	63 d	1	4	238	237.13

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

DIN SOC with T1 Port Viton®

4734T1-005	20 d	1	12	238	104.98
4734T1-007	25 d	1	8	238	123.91
4734T1-010	32 d	1	8	238	153.88
4734T1-012	40 d	1	8	238	196.99
4734T1-015	50 d	1	8	238	212.64
4734T1-020	63 d	1	4	238	275.32



Metric Fittings & Valves

PVC & CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with T1 Port EPDM					
4725T1-005	1/2	1	12	238	96.93
4725T1-007	3/4	1	8	238	113.70
4725T1-010	1	1	8	238	138.22
4725T1-012	1-1/4	1	8	238	167.19
4725T1-015	1-1/2	1	8	238	193.34
4725T1-020	2	1	4	238	237.13

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with T1 Port Viton®					
4735T1-005	1/2	1	12	238	104.98
4735T1-007	3/4	1	8	238	123.91
4735T1-010	1	1	8	238	153.88
4735T1-012	1-1/4	1	8	238	196.99
4735T1-015	1-1/2	1	8	238	211.95
4735T1-020	2	1	4	238	275.32

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with T1 Port EPDM					
4728T1-005	16 DN	1	12	238	96.93
4728T1-007	20 DN	1	8	238	113.70
4728T1-010	25 DN	1	8	238	138.22
4728T1-012	30 DN	1	8	238	167.19
4728T1-015	40 DN	1	8	238	193.34
4728T1-020	50 DN	1	4	238	237.13

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with T1 Port Viton®					
4738T1-005	16 DN	1	12	238	104.98
4738T1-007	20 DN	1	8	238	123.91
4738T1-010	25 DN	1	8	238	153.88
4738T1-012	30 DN	1	8	238	196.99
4738T1-015	40 DN	1	8	238	211.95
4738T1-020	50 DN	1	4	238	275.32

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L1 Port EPDM					
4724L1-005C	20 d	1	12	239	149.09
4724L1-007C	25 d	1	8	239	174.94
4724L1-010C	32 d	1	8	239	212.62
4724L1-012C	40 d	1	8	239	257.21
4724L1-015C	50 d	1	8	239	297.35
4724L1-020C	63 d	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L1 Port Viton®					
4734L1-005C	20 d	1	12	239	161.43
4734L1-007C	25 d	1	8	239	190.57
4734L1-010C	32 d	1	8	239	236.81
4734L1-012C	40 d	1	8	239	303.12
4734L1-015C	50 d	1	8	239	325.99
4734L1-020C	63 d	1	4	239	423.57

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L1 Port EPDM					
4725L1-005C	1/2	1	12	239	149.09
4725L1-007C	3/4	1	8	239	174.94
4724L1-010C	32 d	1	8	239	212.62
4725L1-012C	1-1/4	1	8	239	257.21
4725L1-015C	1-1/2	1	8	239	297.35
4725L1-020C	2	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L1 Port Viton®					
4735L1-005C	1/2	1	12	239	161.43
4735L1-007C	3/4	1	8	239	190.57
4735L1-010C	1	1	8	239	236.81
4735L1-012C	1-1/4	1	8	239	303.12
4735L1-015C	1-1/2	1	8	239	325.99
4735L1-020C	2	1	4	239	423.57

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L1 Port EPDM					
4728L1-005C	16 DN	1	12	239	149.09
4728L1-007C	20 DN	1	8	239	174.94
4728L1-010C	25 DN	1	8	239	212.62
4728L1-012C	32 DN	1	8	239	257.21
4728L1-015C	40 DN	1	8	239	297.35
4728L1-020C	50 DN	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L1 Port Viton®					
4738L1-005C	16 DN	1	12	239	161.43
4738L1-007C	20 DN	1	8	239	190.57
4738L1-010C	25 DN	1	8	239	236.81
4738L1-012C	30 DN	1	8	239	303.12
4738L1-015C	40 DN	1	8	239	325.99
4738L1-020C	50 DN	1	4	239	423.57

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L2 Port EPDM					
4724L2-005C	20 d	1	12	239	297.04
4724L2-007C	25 d	1	8	239	322.87
4724L2-010C	32 d	1	8	239	360.54
4724L2-012C	40 d	1	8	239	404.98
4724L2-015C	50 d	1	8	239	445.32
4724L2-020C	63 d	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L2 Port Viton®					
4734L2-005C	20 d	1	12	239	309.38
4734L2-007C	25 d	1	8	239	338.50
4734L2-010C	32 d	1	8	239	384.57
4734L2-012C	40 d	1	8	239	450.91
4734L2-015C	50 d	1	8	239	473.95
4734L2-020C	63 d	1	4	239	571.37

Metric Fittings & Valves
PVC & CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves



CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L2 Port EPDM					
4725L2-005C	1/2	1	12	239	297.04
4725L2-007C	3/4	1	8	239	322.87
4725L2-010C	1	1	8	239	360.54
4725L2-012C	1-1/4	1	8	239	404.98
4725L2-015C	1-1/2	1	8	239	445.32
4725L2-020C	2	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L2 Port Viton®					
4735L2-005C	1/2	1	12	239	309.38
4735L2-007C	3/4	1	8	239	338.50
4735L2-010C	1	1	8	239	384.57
4735L2-012C	1-1/4	1	8	239	450.89
4735L2-015C	1-1/2	1	8	239	473.95
4735L2-020C	2	1	4	239	571.37

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L2 Port EPDM					
4728L2-005C	16 DN	1	12	239	297.04
4728L2-007C	20 DN	1	8	239	322.87
4728L2-010C	25 DN	1	8	239	360.54
4728L2-012C	30 DN	1	8	239	404.98
4728L2-015C	40 DN	1	8	239	445.32
4728L2-020C	50 DN	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L2 Port Viton®					
4738L2-005C	16 DN	1	12	239	309.38
4738L2-007C	20 DN	1	8	239	338.50
4738L2-010C	25 DN	1	8	239	384.57
4738L2-012C	30 DN	1	8	239	450.89
4738L2-015C	40 DN	1	8	239	473.95
4738L2-020C	50 DN	1	4	239	571.37

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L3 Port EPDM					
4724L3-005C	20 d	1	12	239	297.04
4724L3-007C	25 d	1	8	239	322.87
4724L3-010C	32 d	1	8	239	360.54
4724L3-012C	40 d	1	8	239	404.98
4724L3-015C	50 d	1	8	239	445.32
4724L3-020C	63 d	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with L3 Port Viton®					
4734L3-005C	20 d	1	12	239	309.38
4734L3-007C	25 d	1	8	239	338.50
4734L3-010C	32 d	1	8	239	384.57
4734L3-012C	40 d	1	8	239	450.89
4734L3-015C	50 d	1	8	239	473.95
4734L3-020C	63 d	1	4	239	571.37

Made in the U.S.A.

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L3 Port EPDM					
4725L3-005C	1/2	1	12	239	297.04
4725L3-007C	3/4	1	8	239	322.87
4725L3-010C	1	1	8	239	360.54
4725L3-012C	1-1/4	1	8	239	404.98
4725L3-015C	1-1/2	1	8	239	445.32
4725L3-020C	2	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded with L3 Port Viton®					
4735L3-005C	1/2	1	12	239	309.38
4735L3-007C	3/4	1	8	239	338.50
4735L3-010C	1	1	8	239	384.57
4735L3-012C	1-1/4	1	8	239	450.89
4735L3-015C	1-1/2	1	8	239	473.95
4735L3-020C	2	1	4	239	571.37

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L1 Port EPDM					
4728L3-005C	16 DN	1	12	239	296.97
4728L3-007C	20 DN	1	8	239	322.87
4728L3-010C	25 DN	1	8	239	360.54
4728L3-012C	30 DN	1	8	239	404.98
4728L3-015C	40 DN	1	8	239	445.32
4728L3-020C	50 DN	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC with L3 Port Viton®					
4738L3-005C	16 DN	1	12	239	309.38
4738L3-007C	20 DN	1	8	239	338.50
4738L3-010C	25 DN	1	8	239	384.57
4738L3-012C	30 DN	1	8	239	450.89
4738L3-015C	40 DN	1	8	239	473.95
4738L3-020C	50 DN	1	4	239	571.37

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with T1 Port EPDM					
4724T1-005C	20 d	1	12	239	149.09
4724T1-007C	25 d	1	8	239	174.94
4724T1-010C	32 d	1	8	239	208.23
4724T1-012C	40 d	1	8	239	257.21
4724T1-015C	50 d	1	8	239	297.35
4724T1-020C	63 d	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC with T1 Port Viton®					
4734T1-005C	20 d	1	12	239	161.43
4734T1-007C	25 d	1	8	239	205.87
4734T1-010C	32 d	1	8	239	236.81
4734T1-012C	40 d	1	8	239	303.12
4734T1-015C	50 d	1	8	239	325.99
4734T1-020C	63 d	1	4	239	423.57



Metric Fittings & Valves
PVC & CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with T1 Port EPDM

4725T1-005C	1/2	1	12	239	149.09
4725T1-007C	3/4	1	8	239	174.94
4725T1-010C	1	1	8	239	212.62
4725T1-012C	1-1/4	1	8	239	257.21
4725T1-015C	1-1/2	1	8	239	297.35
4725T1-020C	2	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

BSP Threaded with T1 Port Viton®

4735T1-005C	1/2	1	12	239	161.43
4735T1-007C	3/4	1	8	239	190.57
4735T1-010C	1	1	8	239	236.81
4735T1-012C	1-1/4	1	8	239	298.76
4735T1-015C	1-1/2	1	8	239	325.99
4735T1-020C	2	1	4	239	423.57

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with T1 Port EPDM

4728T1-005C	16 DN	1	12	239	149.09
4728T1-007C	20 DN	1	8	239	174.94
4728T1-010C	25 DN	1	8	239	212.62
4728T1-012C	30 DN	1	8	239	257.21
4728T1-015C	40 DN	1	8	239	297.35
4728T1-020C	50 DN	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

JIS SOC with T1 Port Viton®

4738T1-005C	16 DN	1	12	239	161.43
4738T1-007C	20 DN	1	8	239	190.57
4738T1-010C	25 DN	1	8	239	236.81
4738T1-012C	30 DN	1	8	239	303.12
4738T1-015C	40 DN	1	8	239	325.99
4738T1-020C	50 DN	1	4	239	423.57

Metric Fittings & Valves

PVC & CPVC True Union 2000 Industrial Ball Check Valves



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature
PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Rated for Vacuum Service

All Valves assembled with Silicone-Free, Water Soluble Lubricant

Contact Spears® for Pricing on Additional Specialty Valves Available

PVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
4524-005	20 d	1	18	228	53.54
4524-007	25 d	1	18	228	63.84
4524-010	32 d	1	18	228	75.93
4524-012	40 d	1	12	228	110.88
4524-015	50 d	1	8	228	127.35
4524-020	63 d	1	8	228	173.87

PVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
4534-005	20 d	1	18	228	60.34
4534-007	25 d	1	18	228	67.38
4534-010	32 d	1	18	228	84.64
4534-012	40 d	1	12	228	124.45
4534-015	50 d	1	8	228	141.34
4534-020	63 d	1	8	228	193.33

PVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
4525-005	1/2	1	18	228	53.54
4525-007	3/4	1	18	228	63.84
4525-010	1	1	18	228	75.93
4525-012	1-1/4	1	12	228	110.88
4525-015	1-1/2	1	8	228	127.35
4525-020	2	1	8	228	173.87

PVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
4535-005	1/2	1	18	228	60.34
4535-007	3/4	1	18	228	67.38
4535-010	1	1	18	228	84.64
4535-012	1-1/4	1	12	228	124.45
4535-015	1-1/2	1	8	228	141.34
4535-020	2	1	8	228	193.33

PVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC EPDM					
4528-005	16 DN	1	18	228	53.54
4528-007	20 DN	1	18	228	63.84
4528-010	25 DN	1	18	228	75.93
4528-012	30 DN	1	12	228	110.88
4528-015	40 DN	1	8	228	127.35
4528-020	50 DN	1	8	228	173.87

PVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC Viton®					
4538-005	16 DN	1	18	228	60.34
4538-007	20 DN	1	18	228	67.38
4538-010	25 DN	1	18	228	84.64
4538-012	30 DN	1	12	228	124.45
4538-015	40 DN	1	8	228	141.34
4538-020	50 DN	1	8	228	193.33

CPVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
4524-005C	20 d	1	18	229	79.14
4524-007C	25 d	1	18	229	94.72
4524-010C	32 d	1	18	229	111.77
4524-012C	40 d	1	12	229	192.50
4524-015C	50 d	1	8	229	192.50
4524-020C	63 d	1	8	229	257.12

CPVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
4534-005C	20 d	1	18	229	88.10
4534-007C	25 d	1	18	229	105.27
4534-010C	32 d	1	18	229	124.17
4534-012C	40 d	1	12	229	213.69
4534-015C	50 d	1	8	229	213.69
4534-020C	63 d	1	8	229	286.48

CPVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
4525-005C	1/2	1	18	229	79.14
4525-007C	3/4	1	18	229	94.72
4525-010C	1	1	18	229	111.77
4525-012C	1-1/4	1	12	229	192.50
4525-015C	1-1/2	1	8	229	192.50
4525-020C	2	1	8	229	257.12

CPVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
4535-005C	1/2	1	18	229	88.10
4535-007C	3/4	1	18	229	105.27
4535-010C	1	1	18	229	124.17
4535-012C	1-1/4	1	12	229	213.69
4535-015C	1-1/2	1	8	229	213.69
4535-020C	2	1	8	229	286.48

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Page 681



Metric Fittings & Valves
PVC & CPVC True Union 2000 Industrial Ball Check Valves & PVC & CPVC Gate Valves

PVC & CPVC True Union 2000 Industrial Ball Check Valves

CPVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC EPDM					
4528-005C	16 DN	1	18	229	79.14
4528-007C	20 DN	1	18	229	94.72
4528-010C	25 DN	1	18	229	111.77
4528-012C	30 DN	1	12	229	192.50
4528-015C	40 DN	1	8	229	192.50
4528-020C	50 DN	1	8	229	257.12

CPVC True Union 2000 Ball Check Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC Viton®					
4538-005C	16 DN	1	18	229	88.10
4538-007C	20 DN	1	18	229	105.27
4538-010C	25 DN	1	18	229	124.17
4538-012C	30 DN	1	12	229	213.69
4538-015C	40 DN	1	8	229	213.69
4538-020C	50 DN	1	8	229	286.48

PVC & CPVC Gate Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" PN 16

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Pressure Deratings Apply

All Valves assembled with Silicone-Free, Water Soluble Lubricant

PVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Buna-N					
2014-005	20 d	12	0	208	22.98
2014-007	25 d	12	0	208	28.10
2014-010	32 d	12	0	208	33.31
2014-012	40 d	6	0	208	46.06
2014-015	50 d	6	0	208	58.77
2014-020	63 d	6	0	208	75.48

PVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
2024-005	20 d	12	0	208	25.22
2024-007	25 d	12	0	208	30.93
2024-010	32 d	12	0	208	36.68
2024-012	40 d	6	0	208	50.68
2024-015	50 d	6	0	208	65.29
2024-020	63 d	6	0	208	83.10

PVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
2034-005	20 d	12	0	208	27.78
2034-007	25 d	12	0	208	32.56
2034-010	32 d	12	0	208	40.38
2034-012	40 d	6	0	208	55.72
2034-015	50 d	6	0	208	71.10
2034-020	63 d	6	0	208	91.35

PVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Buna-N					
2015-005	1/2	12	0	208	22.98
2015-007	3/4	12	0	208	28.10
2015-010	1	12	0	208	33.31
2015-012	1-1/4	6	0	208	46.06

PVC Gate Valves (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Buna-N					
2015-015	1-1/2	6	0	208	58.77
2015-020	2	6	0	208	75.48

PVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
2025-005	1/2	12	0	208	25.22
2025-007	3/4	12	0	208	30.93
2025-010	1	12	0	208	36.68
2025-012	1-1/4	6	0	208	50.68
2025-015	1-1/2	6	0	208	65.29
2025-020	2	6	0	208	83.10

PVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
2035-005	1/2	12	0	208	27.78
2035-007	3/4	12	0	208	32.56
2035-010	1	12	0	208	40.38
2035-012	1-1/4	6	0	208	55.72
2035-015	1-1/2	6	0	208	71.10
2035-020	2	6	0	208	91.35

CPVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
2024-005C	20 d	12	0	209	74.70
2024-007C	25 d	12	0	209	80.79
2024-010C	32 d	12	0	209	88.59
2024-012C	40 d	6	0	209	155.60
2024-015C	50 d	6	0	209	170.53
2024-020C	63 d	6	0	209	196.71

Metric Fittings & Valves
PVC & CPVC Gate Valves & PVC & CPVC Diaphragm Valves



PVC & CPVC Gate Valves

CPVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
2034-005C	20 d	12	0	209	82.21
2034-007C	25 d	12	0	209	88.88
2034-010C	32 d	12	0	209	97.41
2034-012C	40 d	6	0	209	171.16
2034-015C	50 d	6	0	209	187.60
2034-020C	63 d	6	0	209	216.38

CPVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
2025-005C	1/2	12	0	209	74.70
2025-007C	3/4	12	0	209	80.79
2025-010C	1	12	0	209	88.59
2025-012C	1-1/4	6	0	209	155.60

CPVC Gate Valves (continued)

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
2025-015C	1-1/2	6	0	209	170.53
2025-020C	2	6	0	209	196.71

CPVC Gate Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
2035-005C	1/2	12	0	209	82.21
2035-007C	3/4	12	0	209	88.88
2035-010C	1	12	0	209	97.41
2035-012C	1-1/4	6	0	209	171.16
2035-015C	1-1/2	6	0	209	187.60
2035-020C	2	6	0	209	216.38

PVC & CPVC Diaphragm Valves



Pressure Rating @ 73°F (23°C), Water
 1/2" - 2" PN 16

Maximum Service Temperature
 PVC = 140°F (60°C)
 CPVC = 200°F (93°C)

Pressure Deratings Apply

No Lubricants in Media Contact Area

PVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
2724-005	20 d	1	12	274	131.26
2724-007	25 d	1	8	274	148.98
2724-010	32 d	1	8	274	183.61
2724-012	40 d	1	4	274	274.85
2724-015	50 d	1	4	274	288.90
2724-020	63 d	1	0	274	341.79

PVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
2734-005	20 d	1	12	274	145.84
2734-007	25 d	1	8	274	165.55
2734-010	32 d	1	8	274	201.76
2734-012	40 d	1	4	274	326.80
2734-015	50 d	1	4	274	334.33
2734-020	63 d	1	0	274	405.04

PVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
2725-005	1/2	1	12	274	131.26
2725-007	3/4	1	8	274	148.98
2725-010	1	1	8	274	171.37
2725-012	1-1/4	1	4	274	274.85
2725-015	1-1/2	1	4	274	288.90
2725-020	2	1	0	274	341.79

PVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
2735-005	1/2	1	12	274	145.84
2735-007	3/4	1	8	274	165.55
2735-010	1	1	8	274	201.76
2735-012	1-1/4	1	4	274	326.80
2735-015	1-1/2	1	4	274	334.33
2735-020	2	1	0	274	405.04

PVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC EPDM					
2728-005	16 DN	1	12	274	131.26
2728-007	20 DN	1	8	274	148.98
2728-010	25 DN	1	8	274	183.61
2728-012	32 DN	1	4	274	274.85
2728-015	40 DN	1	4	274	288.90
2728-020	50 DN	1	0	274	341.79

PVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC Viton®					
2738-005	16 DN	1	12	274	145.84
2738-007	20 DN	1	8	274	165.55
2738-010	25 DN	1	8	274	201.76
2738-012	32 DN	1	4	274	326.80
2738-015	40 DN	1	4	274	334.33
2738-020	50 DN	1	0	274	405.04



Metric Fittings & Valves PVC & CPVC Diaphragm Valves & PVC Irrigation Manifold Systems

PVC & CPVC Diaphragm Valves

CPVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC EPDM					
2724-005C	20 d	1	12	276	232.39
2724-007C	25 d	1	8	276	258.64
2724-010C	32 d	1	8	276	298.51
2724-012C	40 d	1	4	276	448.36
2724-015C	50 d	1	4	276	461.63
2724-020C	63 d	1	0	276	491.70

CPVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DIN SOC Viton®					
2734-005C	20 d	1	12	276	297.83
2734-007C	25 d	1	8	276	317.54
2734-010C	32 d	1	8	276	386.12
2734-012C	40 d	1	4	276	533.47
2734-015C	50 d	1	4	276	539.96
2734-020C	63 d	1	0	276	616.34

CPVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded EPDM					
2725-005C	1/2	1	12	276	232.39
2725-007C	3/4	1	8	276	258.64
2725-010C	1	1	8	276	298.51
2725-012C	1-1/4	1	4	276	448.36
2725-015C	1-1/2	1	4	276	461.63
2725-020C	2	1	0	276	491.70

CPVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
BSP Threaded Viton®					
2735-005C	1/2	1	12	276	297.83
2735-007C	3/4	1	8	276	317.54
2735-010C	1	1	8	276	386.12
2735-012C	1-1/4	1	4	276	533.47
2735-015C	1-1/2	1	4	276	539.96
2735-020C	2	1	0	276	616.34

CPVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC EPDM					
2728-005C	16 DN	1	12	276	232.39
2728-007C	20 DN	1	8	276	258.64
2728-010C	25 DN	1	8	276	298.51
2728-012C	32 DN	1	4	276	448.36
2728-015C	40 DN	1	4	276	461.63
2728-020C	50 DN	1	0	276	491.70

CPVC Diaphragm Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
JIS SOC Viton®					
2738-005C	16 DN	1	12	276	297.83
2738-007C	20 DN	1	8	276	317.54
2738-010C	25 DN	1	8	276	386.12
2738-012C	32 DN	1	4	276	533.47
2738-015C	40 DN	1	4	276	540.04
2738-020C	50 DN	1	0	276	616.34

PVC Irrigation Manifold Systems

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Manifold Tee

Swivel x MBSP x Swivel with O-ring Seal



MA0101-010BT	1	25	0	019	9.41
--------------	---	----	---	-----	------

PVC Manifold Tee

Soc (Spig) x MBSP x Swivel with O-ring Seal For Solvent Cement Connection



MA0109-010BT	1	25	0	019	8.37
--------------	---	----	---	-----	------

Manifold 90° Street El

MBSP x Swivel with O-ring Seal



MA0602-010BT	1	25	0	019	8.04
--------------	---	----	---	-----	------

Manifold 90° El

Swivel x Swivel with O-ring Seal



MA0603-010	1	20	0	019	8.87
------------	---	----	---	-----	------

Manifold Cross

Swivel x MBSP x Swivel x Swivel with O-ring Seal



MA2004-010BT	1	25	0	019	12.49
--------------	---	----	---	-----	-------

Manifold Coupling

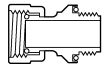
Swivel x Swivel with O-ring Seal



MA2903-010	1	25	200	019	6.66
------------	---	----	-----	-----	------

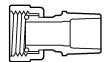
Manifold Coupling

Swivel x MBSP with O-ring Seal



PVC Manifold Coupling

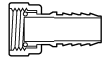
Swivel x Soc (Spig) with O-ring Seal For Solvent Cement Connection



MA2908-010	1 (1-1/4)	25	0	019	4.86
------------	-----------	----	---	-----	------

Manifold Insert Coupling

Swivel x Barbed Insert with O-ring Seal



MA3505-010	1	25	200	019	5.16
------------	---	----	-----	-----	------

Manifold Cap

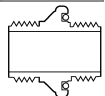
with O-ring Seal



MA4800-010	1	50	600	019	2.03
------------	---	----	-----	-----	------

Manifold Nipple

MBSP x MBSP with O-ring Seal



MA8306-010BT	1	25	200	019	2.18
--------------	---	----	-----	-----	------

Manifold Replacement O-ring

For All 1" Cap/Swivel Connectors & For 3/4" Nipple End



MA-214	1 & 3/4	50	500	901	.47
--------	---------	----	-----	-----	-----

Metric Fittings & Valves
PVC Irrigation Manifold Systems



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Manifold Replacement O-ring
 For 1" Nipple & For 1" Nipped Coupling End



MA-218	1	50	500	901	.50
--------	---	----	-----	-----	-----



Pipe CPVC Industrial Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Schedule 40 Plain End 10' Lengths, Price Per Foot

List Price Per Foot

PD-400-001C-10	1/8	10	0	745	3.21
PD-400-002C-10	1/4	10	0	745	4.02
PD-400-003C-10	3/8	10	0	745	5.67
PD-400-005C-10	1/2	10	0	745	1.69
PD-400-007C-10	3/4	10	0	745	2.25
PD-400-010C-10	1	10	0	745	3.29
PD-400-012C-10	1-1/4	10	0	745	4.45
PD-400-015C-10	1-1/2	10	0	745	5.33
PD-400-020C-10	2	10	0	745	7.14
PD-400-025C-10	2-1/2	10	0	745	11.29
PD-400-030C-10	3	10	0	745	14.74
PD-400-040C-10	4	10	0	745	21.00
PD-400-060C-10	6	10	0	745	38.76
PD-400-080C-10	8	10	0	745	63.12
PD-400-100C-10	10	10	0	745	107.94
PD-400-120C-10	12	10	0	745	142.59

20' Lengths, Price Per Foot

List Price Per Foot

PD-400-001C	1/8	20	0	745	3.21
PD-400-002C	1/4	20	0	745	4.02
PD-400-003C	3/8	20	0	745	5.67
PD-400-005C	1/2	20	0	745	1.69
PD-400-007C	3/4	20	0	745	2.25
PD-400-010C	1	20	0	745	3.29
PD-400-012C	1-1/4	20	0	745	4.45
PD-400-015C	1-1/2	20	0	745	5.33
PD-400-020C	2	20	0	745	7.14
PD-400-025C	2-1/2	20	0	745	11.29
PD-400-030C	3	20	0	745	14.74
PD-400-040C	4	20	0	745	21.00
PD-400-060C	6	20	0	745	38.76
PD-400-080C	8	20	0	745	63.12
PD-400-100C	10	20	0	745	107.94
PD-400-120C	12	20	0	745	142.59

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

CPVC Schedule 80 Plain End 10' Lengths, Price Per Foot

List Price Per Foot

PD-800-001C-10	1/8	10	0	745	3.98
PD-800-002C-10	1/4	10	0	745	4.59
PD-800-003C-10	3/8	10	0	745	6.25
PD-800-005C-10	1/2	10	0	745	1.98
PD-800-007C-10	3/4	10	0	745	2.69
PD-800-010C-10	1	10	0	745	3.96
PD-800-012C-10	1-1/4	10	0	745	5.45
PD-800-015C-10	1-1/2	10	0	745	6.62
PD-800-020C-10	2	10	0	745	9.17
PD-800-025C-10	2-1/2	10	0	745	13.98
PD-800-030C-10	3	10	0	745	18.74
PD-800-040C-10	4	10	0	745	27.40
PD-800-060C-10	6	10	0	745	53.32
PD-800-080C-10	8	10	0	745	88.43
PD-800-100C-10	10	10	0	745	160.37
PD-800-120C-10	12	10	0	745	220.46

20' Lengths, Price Per Foot

List Price Per Foot

PD-800-001C	1/8	20	0	745	3.98
PD-800-002C	1/4	20	0	745	4.59
PD-800-003C	3/8	20	0	745	6.25
PD-800-005C	1/2	20	0	745	1.98
PD-800-007C	3/4	20	0	745	2.69
PD-800-010C	1	20	0	745	3.96
PD-800-012C	1-1/4	20	0	745	5.45
PD-800-015C	1-1/2	20	0	745	6.62
PD-800-020C	2	20	0	745	9.17
PD-800-025C	2-1/2	20	0	745	13.98
PD-800-030C	3	20	0	745	18.74
PD-800-040C	4	20	0	745	27.40
PD-800-060C	6	20	0	745	53.32
PD-800-080C	8	20	0	745	88.43
PD-800-100C	10	20	0	745	160.37
PD-800-120C	12	20	0	745	220.46

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

ASTM D-1784 ASTM F-441		Schedule 40 CPVC Plain End Pipe				
Size	Max Work Pressure	Avg OD	Min Wall	10' Length Skid Quantity FT/Pieces	20' Length Skid Quantity FT/Pieces	Weight Per FT
1/8"	910	0.405	0.068	2850/285	5700/285	.056
1/4"	790	0.540	0.088	2850/285	5700/285	.096
3/8"	620	0.675	0.091	2850/285	5700/285	.128
1/2"	600	0.840	0.109	2430/243	4860/243	.185
3/4"	480	1.050	0.113	1540/154	3080/154	.246
1"	450	1.315	0.133	2520/252	5040/252	.362
1-1/4"	370	1.660	0.140	1230/123	2460/123	.489
1-1/2"	330	1.900	0.145	1720/172	3440/172	.585
2"	280	2.375	0.154	1230/123	2460/123	.783
2-1/2"	300	2.875	0.203	540/54	1080/54	1.237
3"	260	3.500	0.216	460/46	920/46	1.619
4"	220	4.500	0.237	340/34	680/34	2.306
6"	180	6.625	0.280	170/17	340/17	4.603
8"	160	8.625	0.322	90/9	180/9	6.136
10"	140	10.750	0.365	110/11	140/7	8.886
12"	130	12.750	0.406	80/8	100/5	11.751

ASTM D-1784 ASTM F-441		Schedule 80 CPVC Plain End Pipe				
Size	Max Work Pressure	Avg OD	Min Wall	10' Length Skid Quantity FT/Pieces	20' Length Skid Quantity FT/Pieces	Weight Per FT
1/8"	1230	0.405	0.095	2850/285	5700/285	.069
1/4"	1130	0.540	0.119	2850/285	5700/285	.117
3/8"	920	0.675	0.126	2850/285	5700/285	.162
1/2"	850	0.840	0.147	2430/243	4860/243	.231
3/4"	690	1.050	0.154	1540/154	3080/154	.314
1"	630	1.315	0.179	2520/252	5040/252	.462
1-1/4"	520	1.660	0.191	1230/123	2460/123	.636
1-1/2"	470	1.900	0.200	1720/172	3440/172	.773
2"	400	2.375	0.218	1230/123	2460/123	1.071
2-1/2"	420	2.875	0.276	540/54	1080/54	1.631
3"	370	3.500	0.300	460/46	920/46	2.187
4"	320	4.500	0.337	340/34	680/34	3.198
6"	280	6.625	0.432	170/17	340/17	6.106
8"	250	8.625	0.500	90/9	180/9	9.322
10"	230	10.750	0.593	110/11	140/7	14.095
12"	230	12.750	0.687	80/8	100/5	19.392

Pipe CPVC CTS Hot & Cold Water Distribution Pipe



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC CTS Pipe - SDR 11

10' Lengths, Price Per Foot



List Price Per Foot

CTS-005	1/2	500	0	034	.87
CTS-007	3/4	250	0	034	1.57
CTS-010	1	150	0	034	3.22
CTS-012	1-1/4	100	0	034	4.78
CTS-015	1-1/2	100	0	034	6.34
CTS-020	2	50	0	034	10.73

- Pipe sold in bag quantities only - no broken bags
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

CPVC CTS PIPE WEIGHTS:

CTS-005 Weight per Foot .090 lbs; per Bag Weight 45 lbs.
 CTS-007 Weight per Foot .149 lbs; per Bag Weight 37.25 lbs.
 CTS-010 Weight per Foot .239 lbs; per Bag Weight 35.85 lbs.
 CTS-012 Weight per Foot .353 lbs; per Bag Weight 35.3 lbs.
 CTS-015 Weight per Foot .489 lbs; per Bag Weight 48.9 lbs.
 CTS-020 Weight per Foot .810 lbs; per Bag Weight 40.5 lbs.

CPVC CTS Pipe - SDR 11

20' Lengths, Price Per Foot



List Price Per Foot

CTS-005-20	1/2	1000	0	034	.87
CTS-007-20	3/4	500	0	034	1.57
CTS-010-20	1	300	0	034	3.22
CTS-012-20	1-1/4	200	0	034	4.78
CTS-015-20	1-1/2	200	0	034	6.34
CTS-020-20	2	100	0	034	10.73

- Pipe sold in bag quantities only - no broken bags
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

CPVC CTS PIPE WEIGHTS:

CTS-005 Weight per Foot .090 lbs; per Bag Weight 90 lbs.
 CTS-007 Weight per Foot .149 lbs; per Bag Weight 74.5 lbs.
 CTS-010 Weight per Foot .239 lbs; per Bag Weight 71.7 lbs.
 CTS-012 Weight per Foot .353 lbs; per Bag Weight 70.6 lbs.
 CTS-015 Weight per Foot .489 lbs; per Bag Weight 97.8 lbs.
 CTS-020 Weight per Foot .830 lbs; per Bag Weight 83 lbs.

CPVC CTS Coiled Pipe - SDR 11

100 ft. Coil, Price Per Foot



List Price Per Foot

CTS-005-100	1/2	100	0	034	1.03
CTS-007-100	3/4	100	0	034	1.86
CTS-010-100	1	100	0	034	3.67

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

CPVC CTS Coiled Pipe - SDR 11 (continued)

100 ft. Coil, Price Per Foot

- Pipe sold in coil quantities only - no broken coils
- No return on Coiled Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

CPVC CTS COILED PIPE WEIGHTS:

CTS-005-100 Weight per Foot .090 lbs; per Coil Weight 9 lbs.
 CTS-007-100 Weight per Foot .149 lbs; per Coil Weight 14.9 lbs.
 CTS-010-100 Weight per Foot .239 lbs; per Coil Weight 23.9 lbs.

WARNING:

Banded coils will expand when opened. Exercise caution to avoid injury during banding removal.



Pipe Schedule 80 PVC Industrial Pipe & Schedule 40 Clear Pipe

Schedule 80 PVC Industrial Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Schedule 80 Plain End

10' Lengths, Price Per Foot

List Price Per Foot

PD-800-001-10	1/8	10	0	744	1.87
PD-800-002-10	1/4	10	0	744	2.79
PD-800-003-10	3/8	10	0	744	3.88
PD-800-005-10	1/2	10	0	744	1.17
PD-800-007-10	3/4	10	0	744	1.58
PD-800-010-10	1	10	0	744	2.32
PD-800-012-10	1-1/4	10	0	744	3.20
PD-800-015-10	1-1/2	10	0	744	3.63
PD-800-020-10	2	10	0	744	5.03
PD-800-025-10	2-1/2	10	0	744	8.47
PD-800-030-10	3	10	0	744	10.28
PD-800-040-10	4	10	0	744	15.04
PD-800-060-10	6	10	0	744	28.72
PD-800-080-10	8	10	0	744	43.56
PD-800-100-10	10	10	0	744	64.63
PD-800-120-10	12	10	0	744	88.85

20' Lengths, Price Per Foot

List Price Per Foot

PD-800-001	1/8	20	0	744	1.87
PD-800-002	1/4	20	0	744	2.79
PD-800-003	3/8	20	0	744	3.88
PD-800-005	1/2	20	0	744	1.17
PD-800-007	3/4	20	0	744	1.58
PD-800-010	1	20	0	744	2.32
PD-800-012	1-1/4	20	0	744	3.20
PD-800-015	1-1/2	20	0	744	3.63
PD-800-020	2	20	0	744	5.03
PD-800-025	2-1/2	20	0	744	8.47
PD-800-030	3	20	0	744	10.28
PD-800-040	4	20	0	744	15.04
PD-800-060	6	20	0	744	28.72
PD-800-080	8	20	0	744	43.56
PD-800-100	10	20	0	744	64.63
PD-800-120	12	20	0	744	88.85

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and drop-off charges.
- See Spears® Manufacturing Company Terms and Conditions of Sale for freight requirements.

ASTM D-1784 ASTM D-1785		Schedule 80 PVC Plain End Pipe				
Size	Max Work Pressure	Avg OD	Min Wall	10' Length Skid Quantity FT/Pieces	20' Length Skid Quantity FT/Pieces	Weight Per FT
1/8"	1230	0.405	0.095	2850/285	5700/285	0.063
1/4"	1130	0.540	0.119	2850/285	5700/285	0.105
3/8"	920	0.675	0.126	2850/285	5700/285	0.146
1/2"	850	0.840	0.147	2430/243	4860/243	0.213
3/4"	690	1.050	0.154	1540/154	5260/263	0.289
1"	630	1.315	0.179	2520/252	4280/214	0.124
1-1/4"	520	1.660	0.191	1230/123	2360/118	0.586
1-1/2"	470	1.900	0.200	1720/172	2060/103	0.717
2"	400	2.375	0.218	1230/123	1660/83	0.984
2-1/2"	420	2.875	0.276	540/54	1080/54	1.500
3"	370	3.500	0.300	460/46	840/42	2.010
4"	320	4.500	0.337	340/34	520/26	2.938
6"	280	6.625	0.432	170/17	340/17	5.610
8"	250	8.625	0.500	90/9	220/11	8.522
10"	230	10.750	0.593	110/11	140/7	12.635
12"	230	12.750	0.687	80/8	100/5	17.384

Schedule 40 Clear Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Clear Schedule 40 Pipe

10' Lengths, Price Per Foot

List Price Per Foot

PL-002	1/4	190	0	742	1.04
PL-003	3/8	100	0	742	1.39
PL-005	1/2	90	0	742	2.07
PL-007	3/4	100	0	742	2.77
PL-010	1	90	0	742	4.11

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

PVC Clear Schedule 40 Pipe (continued)

10' Lengths, Price Per Foot

PL-012	1-1/4	30	0	742	5.55
PL-015	1-1/2	50	0	742	6.67
PL-020	2	10	0	742	8.98
PL-025	2-1/2	80	0	742	14.16
PL-030	3	10	0	742	18.51
PL-040	4	10	0	742	27.87
PL-060	6	10	0	038	51.13
PL-080	8	10	0	038	76.41

Pipe
Low Extractable PVC Pipe & LabWaste™ CPVC Corrosive Waste Drainage System Pipe



Low Extractable PVC Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Spears® Low-Extractable Schedule 80 Pipe

15' Lengths, Price Per Foot

List Price Per Foot

LXT-005	1/2	300	0	064	4.57
LXT-007	3/4	255	0	064	6.19
LXT-010	1	150	0	064	9.12
LXT-012	1-1/4	120	0	064	12.62
LXT-015	1-1/2	105	0	064	15.27

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Spears® Low-Extractable Schedule 80 Pipe (continued)

15' Lengths, Price Per Foot

LXT-020	2	75	0	064	21.18
LXT-030	3	45	0	064	43.20
LXT-040	4	30	0	064	63.15
LXT-060	6	15	0	064	146.40

See Spears® Low-Extractable Schedule 80 Pipe Chart for additional information.

LabWaste™ CPVC Corrosive Waste Drainage System Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

LabWaste™ CPVC Pipe

10' Lengths, Price Per Foot

List Price Per Foot, may be cut to desired length

LW-015	1-1/2	10	0	161	6.90
LW-020	2	10	0	161	9.33
LW-030	3	10	0	161	16.87
LW-040	4	10	0	161	23.95
LW-060	6	10	0	161	43.23
LW-080	8	10	0	157	83.52
LW-100	10	10	0	157	135.23
LW-120	12	10	0	157	178.66
LW-140	14	10	0	158	217.87
LW-160	16	10	0	158	284.34

20' length available upon request



Pipe FlameGuard® CPVC Fire Sprinkler Pipe & PVC & CPVC Round Seamless Duct

FlameGuard® CPVC Fire Sprinkler Pipe

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

FlameGuard® CPVC Fire Sprinkler Pipe

SDR 13.5 10' Lengths, Price Per Foot

List Price Per Foot

CP-007-10	3/4	260	0	071	1.69
CP-010-10	1	170	0	071	2.61
CP-012-10	1-1/4	90	0	071	4.09
CP-015-10	1-1/2	70	0	071	5.65
CP-020-10	2	50	0	071	8.45
CP-025-10	2-1/2	40	0	071	12.90
CP-030-10	3	30	0	071	19.60

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Pipe

SDR 13.5, 15' Lengths, Price Per Foot

List Price Per Foot

CP-007	3/4	390	0	071	1.69
CP-010	1	255	0	071	2.61
CP-012	1-1/4	135	0	071	4.09
CP-015	1-1/2	105	0	071	5.65
CP-020	2	75	0	071	8.45
CP-025	2-1/2	60	0	071	12.90
CP-030	3	45	0	071	19.60

PVC & CPVC Round Seamless Duct

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

10' PVC Duct - Plain End

Price Per Foot

PD-430-060-10	6	10	0	748	12.35
PD-430-080-10	8	10	0	748	15.55
PD-430-100-10	10	10	0	748	19.48
PD-430-120-10	12	10	0	748	23.17
PD-430-140-10	14	10	0	948	83.71
PD-430-160-10	16	10	0	948	95.65
PD-430-180-10	18	10	0	948	141.53
PD-430-200-10	20	10	0	948	177.68
PD-430-240-10	24	10	0	948	225.58

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

20' PVC Duct - Plain End

Price Per Foot

PD-430-060	6	20	0	748	12.35
PD-430-080	8	20	0	748	15.55
PD-430-100	10	20	0	748	19.48
PD-430-120	12	20	0	748	23.17
PD-430-140	14	20	0	948	83.71
PD-430-160	16	20	0	948	95.65
PD-430-180	18	20	0	948	141.53
PD-430-200	20	20	0	948	177.68
PD-430-240	24	20	0	948	225.58

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

10' CPVC Duct - Plain End

Price Per Foot

PD-430-060C-10	6	10	0	749	24.79
PD-430-080C-10	8	10	0	749	32.51
PD-430-100C-10	10	10	0	749	40.69
PD-430-120C-10	12	10	0	749	48.38
PD-430-140C-10	14	10	0	949	313.25
PD-430-160C-10	16	10	0	949	379.15

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

10' CPVC Duct - Plain End (continued)

Price Per Foot

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

20' CPVC Duct - Plain End

Price Per Foot

PD-430-060C	6	20	0	749	24.79
PD-430-080C	8	20	0	749	32.51
PD-430-100C	10	20	0	749	40.69
PD-430-120C	12	20	0	749	48.38
PD-430-140C	14	20	0	949	313.25
PD-430-160C	16	20	0	949	379.15
PD-430-180C	18	20	0	949	435.79
PD-430-200C	20	20	0	949	597.42
PD-430-240C	24	20	0	949	705.80

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

Pipe
PVC & CPVC Cold Rolled Fabricated Duct



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

4' PVC Cold Rolled Duct - Plain End

Price Per Foot

PD-430-260	26X4	4	0	434	412.90
PD-430-280	28X4	4	0	434	491.86
PD-430-300	30X4	4	0	434	603.40
PD-430-320	32X4	4	0	434	649.97
PD-430-360	36X4	4	0	434	735.61
PD-430-380	38X4	4	0	434	798.59
PD-430-400	40X4	4	0	434	818.70
PD-430-420	42X4	4	0	434	1385.00
PD-430-460	46X4	4	0	434	1017.31
PD-430-480	48X4	4	0	434	1092.77

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and

4' CPVC Cold Rolled Duct - Plain End

Price Per Foot

PD-430-260C	26X4	4	0	435	1234.28
PD-430-280C	28X4	4	0	435	1420.36
PD-430-300C	30X4	4	0	435	1576.67
PD-430-320C	32X4	4	0	435	1627.51
PD-430-360C	36X4	4	0	435	1739.57
PD-430-380C	38X4	4	0	435	1924.70
PD-430-400C	40X4	4	0	435	2016.80
PD-430-420C	42X4	4	0	435	2115.05
PD-430-460C	46X4	4	0	435	2379.54
PD-430-480C	48X4	4	0	435	2742.23

- Pipe sold in individual lengths or lift quantities. No cut lengths.
- No return on Pipe
- Large orders may be shipped directly from Spears® manufacturing facility. Note: Multiple drops may be made on TL shipments. Contact Spears® Regional Distribution Center for requirements and



Solvent Cements & Thread Sealants Blue 75™ Thread Sealant

Formulated, Designed & Tested for Plastic Piping Products

While many thread sealants and pipe joint compounds claim to be suitable for use with plastics, several have been found to produce stress cracking due to chemical incompatibility. Improper application of TFE tape sealants can result in over-stressed threaded connections and potential joint failures. Research has proven Spears® BLUE 75™ thread sealant to be the superior choice for reliable joint make-up of all Spears® thermoplastic piping products.

- Non-Hardening, Lubricating Anti-Seize Formulation
- Safe, Non-Toxic, Lead & Silicone Free
- Non-Corrosive, Non-Conductive
- Convenient Packaging Availability
- Specially Designed for Spears® Threaded Fittings & Valves
- Suitable for Use in Connecting other Metallic Fittings or Valves to PVC or CPVC Fittings or Valves
- NSF® Certified for use with potable water

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------



Blue 75™ Thread Sealant

SB75-005	1/4 Pint	24	0	895	9.94
SB75-010	1/2 Pint	24	0	895	15.83
SB75-020	Pint	12	0	895	25.59
SB75-030	Quart	12	0	895	45.99

Solvent Cements & Thread Sealants Spears® Low VOC Solvent Cements & Primers



Essential solvent cements developed for contractors' essential needs in joining PVC, CPVC and ABS pipe and fittings.

- User Friendly with reduced fumes and odor for well-being of pipe installers.
- NSF® Certified & Listed for use in piping applications such as potable water, turf, irrigation, pool & spa, industrial, plumbing, DWV, and/or sewer, plus special applications including fire protection, chemical waste, and ultra-pure water.
- Meets ASTM Standards for solvent cements and primers used for plastic pipe installation.
- Environmentally friendly. LEED® Compliant (Leadership in Energy and Environmental Design). Credit can be gained through the use of Spears® Low VOC products. This program, developed by the US Green Building Council, uses SCAQMD Rule 1168 as a benchmark to qualify one credit toward LEED® certification for green building.

Low VOC PVC Cements

Regular, Medium, heavy and extra heavy bodied cements are specifically formulated for PVC pipe in virtually every schedule and in sizes with interference fit to 30" diameter.

- Low VOC emissions comply with SCAQMD Rule 1168/316A
- 3-Year Shelf Life

PVC-00 CLEAR: Regular bodied, fast setting PVC cement for all classes and schedules (except Schedule 80) with interference fit through 4". Excellent for plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-05 CLEAR: Medium bodied, fast setting, PVC cement for all classes and schedules with interference fit through 6" diameter and Schedule 80 through 4" diameter in industrial, plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-00 Clear Regular Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC00C-005	1/4 Pint	24	0	705	5.85
PVC00C-010	1/2 Pint	24	0	705	8.50
PVC00C-020	Pint	12	0	705	13.10
PVC00C-030	Quart	12	0	705	22.10
PVC00C-040	Gallon	6	0	705	71.75

PVC-05 Clear Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC05C-005	1/4 Pint	24	0	705	6.60
PVC05C-010	1/2 Pint	24	0	705	9.55
PVC05C-020	Pint	12	0	705	16.75
PVC05C-030	Quart	12	0	705	26.65
PVC05C-040	Gallon	6	0	705	90.80

PVC-02 CLEAR: Regular bodied, fast setting PVC cement for all classes and schedules (except Schedule 80) with interference fit through 4" diameter. Goes on clear, dries clearest and is slightly thicker than PVC-00. Excellent for plumbing, DWV, irrigation, electrical conduit, pool & spa and PVC foam core pipe. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-21 BLUE: Medium bodied, fast setting, high strength PVC cement. It is suitable for use on rigid PVC with interference fit Schedule 40 thru 6" and Schedule 80 thru 4". Can be used without primer on PVC Schedule 40 and SDR pressure water piping systems through 4" if local code permits. Do not use PVC-21 without primer in any other application, schedule, or size such as Schedule 80 industrial applications. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-02 Clear Regular Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC02C-005	1/4 Pint	24	0	705	6.50
PVC02C-010	1/2 Pint	24	0	705	9.45
PVC02C-020	Pint	12	0	705	14.55
PVC02C-030	Quart	12	0	705	24.55
PVC02C-040	Gallon	6	0	705	79.65

PVC-21 Blue Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC21B-005	1/4 Pint	24	0	705	7.05
PVC21B-010	1/2 Pint	24	0	705	11.60
PVC21B-020	Pint	12	0	705	19.85
PVC21B-030	Quart	12	0	705	33.35
PVC21B-040	Gallon	6	0	705	114.65



Solvent Cements & Thread Sealants PVC Low VOC Cements

PVC-25 AQUA BLUE WET-N-DRY: Medium bodied, very fast setting PVC cement for all classes and schedules with interference fit through 6" diameter and Schedule 80 through 4" diameter. Formulated for wet conditions and quick pressurization. Designed for irrigation, plumbing, and pool & spa applications. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-25 Aqua Blue Wet-N-Dry Medium body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC25B-005	1/4 Pint	24	0	705	7.05
PVC25B-010	1/2 Pint	24	0	705	11.45
PVC25B-020	Pint	12	0	705	19.50
PVC25B-030	Quart	12	0	705	32.65
PVC25B-040	Gallon	6	0	705	112.60

PVC-27 CLEAR COLD-N-HOT: Medium bodied, very fast setting, PVC cement for all classes and schedules with interference fit through 6" diameter, Schedule 80 through 4" diameter. Formulated for -15°F to 110°F (-26°C to 43°C) weather conditions. Designed for industrial, plumbing, irrigation, pool & spa, electrical conduit and PVC foam core pipe. Can be used without primer on non-pressure systems if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-27 Clear Cold-N-Hot Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC27C-040	Gallon	6	0	705	118.85
PVC27C-020	Pint	12	0	705	20.35
PVC27C-030	Quart	12	0	705	34.25

PVC-50 HOT BLUE: Medium bodied, very fast setting, high strength PVC cement. Can be used on PVC with interference fit for Schedule 40 thru 6" and Schedule 80 thru 4". Hot Blue premium all-weather formulation is excellent for use in challenging conditions including wet, damp or cold temperatures in irrigation, plumbing DWV, pool & spa, and non-pressure applications. PVC-50 may be used without primer on Schedule 40 pipe and fittings if local code permits. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-50 HOT BLUE Medium Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC50B-005	1/4 Pint	24	0	705	6.35
PVC50B-010	1/2 Pint	24	0	705	10.45
PVC50B-020	Pint	12	0	705	17.90
PVC50B-030	Quart	12	0	705	30.05
PVC50B-040	Gallon	6	0	705	103.30

PVC-95 CLEAR/BLUE Flexible: Medium bodied, fast setting PVC cement specially formulated for use on flex-to-flex and flex-to-rigid PVC connections with interference fit through 6" and Schedule 80 through 3". Maintains high-strength, flexible joints. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code.



PVC-95 Clear Medium Body Flexible PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC95C-005	1/4 Pint	24	0	705	8.00
PVC95C-010	1/2 Pint	24	0	705	11.90
PVC95C-020	Pint	12	0	705	20.35
PVC95C-030	Quart	12	0	705	34.35
PVC95C-040	Gallon	6	0	705	118.85

PVC-95 Blue Medium Body Flexible PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC95B-040	Gallon	6	0	705	118.85
PVC95B-030	Quart	12	0	705	34.25

PVC-11 GRAY: Heavy bodied, medium setting PVC cement for all classes and schedules with interference fit through 12" diameter. Medium set allows more working time in warm weather and has good gap filling properties. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code, CSA B137.3, B181.2.



PVC-11 Gray Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC11G-010	1/2 Pint	24	0	706	15.60
PVC11G-020	Pint	12	0	706	20.80
PVC11G-030	Quart	12	0	706	35.00
PVC11G-040	Gallon	6	0	706	118.35

PVC-17 CLEAR/GRAY: Heavy bodied, medium setting PVC cement for all classes and schedules with interference fit through 12" diameter (non-pressure applications only up to 18"). Medium set allows more working time in warm weather and has good gap filling properties. Designed for plumbing, industrial, pool, irrigation and electrical piping systems. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P.Code (Clear/Gray); CSA B137.3, B181.2 (Gray only).



PVC-17 Gray Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC17G-010	1/2 Pint	24	0	706	11.70
PVC17G-020	Pint	12	0	706	20.55
PVC17G-030	Quart	12	0	706	34.70
PVC17G-040	Gallon	6	0	706	116.90

PVC-17 Clear Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC17C-010	1/2 Pint	24	0	706	11.70
PVC17C-020	Pint	12	0	706	20.55
PVC17C-030	Quart	12	0	706	34.70
PVC17C-040	Gallon	6	0	706	116.90

Solvent Cements & Thread Sealants
PVC Low VOC Cements



PVC-19 WHITE/GRAY: Extra heavy bodied, slow setting PVC cement for all classes and schedules with interference fit through 30" diameter. Designed for large size piping systems requiring high gap filling properties such as industrial piping and fitting fabrication in pressure and non-pressure applications. Listings: ASTM D2564, NSF®-PW, DWV, SW, U.P. Code, CSA (Gray Only) B137.3, B181.2.



PVC-19 White Extra-Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC19W-020	Pint	12	0	706	31.43
PVC19W-030	Quart	12	0	706	41.90
PVC19W-040	Gallon	4	0	706	138.15
PVC19W-050	5 Gallon	1	0	706	597.25



PVC-19 Gray Extra-Heavy Body PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PVC19G-020	Pint	12	0	706	31.43
PVC19G-030	Quart	12	0	706	41.90
PVC19G-040	Gallon	4	0	706	138.15
PVC19G-050	5 Gallon	1	0	706	597.25



Solvent Cements & Thread Sealants CPVC Low VOC Cements

Heavy bodied cements are specifically formulated for CPVC plastic pipe and fittings including a variety of One-Step (no primer required) CPVC specialty cements. These products are ideal for use in hot/cold water plumbing systems, water treatment and chemical plants, as well as industrial piping systems.

- Low VOC emissions comply with *SCAQMD Rule 1168/316A*
- 2-Year Shelf Life

CPVC-24 GRAY/ORANGE: Heavy bodied, medium setting CPVC cement for all classes and schedules with interference fit through 24" diameter. High-strength, chemical-resistant solvent cement for use with CPVC piping systems carrying acids, bases, salts, and sodium hypochlorite. Ideal for use in waste water plants. Recommended for use on PVC industrial piping systems for chemical applications; best choice for both PVC and CPVC fume & air duct systems. Listings: ASTM F493, NSF®-PW, DWV, SW, U.P. Code.



The Most Chemically Resistant Cement Available for Both PVC & CPVC Applications

CPVC-24 Gray Heavy Body CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CPVC24G-020	Pint	12	0	707	23.30
CPVC24G-030	Quart	12	0	707	41.15
CPVC24G-040	Gallon	6	0	707	142.10

CPVC-24 Orange Heavy Body CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CPVC24O-020	Pint	12	0	707	23.30
CPVC24O-030	Quart	12	0	707	41.15
CPVC24O-040	Gallon	6	0	707	142.10

CTS-5 EverTUFF® YELLOW: Medium bodied, fast setting cement for copper tube size pipe and fittings with interference fit through 2" diameter. ONE STEP CEMENT - formulated for use without primer if local code permits. Listings: ASTM F493/D2846, NSF®-PW, DWV, SW, U.P. Code, CSA B137.6, B181.2.



Approved for All Copper Tube Size (CTS) Hot & Cold Water Distribution Systems, Including Spears® EverTUFF® and FlowGuard Gold®

CTS-5 EverTUFF® One-Step CTS CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CTS5-005	1/4 Pint	24	0	701	8.05
CTS5-010	1/2 Pint	24	0	701	12.80
CTS5-020	Pint	12	0	701	20.75
CTS5-030	Quart	12	0	701	36.10
CTS5-040	Gallon	6	0	701	123.50

FS-5 RED: One-Step (no primer required) CPVC cement specifically formulated and approved for use with Spears® **FlameGuard®** and other approved CPVC Fire Sprinkler Products with interference fit through 3". See publication FG-3, FlameGuard® Installation Instructions for additional application details. Listings: ASTM F493, NSF®-PW, DWV, SW, U.P. Code, UL®, FM® Approved.



FS-5 FlameGuard® One-Step CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
FS5-020	Pint	12	0	703	25.23
FS5-030	Quart	12	0	703	46.29

LW-5 MUSTARD: One-Step (no primer required) CPVC cement specifically formulated and approved for use with Spears® **LabWaste™** CPVC Corrosive Waste Drainage System Products with interference fit through 24". See Publication LW-4, Technical Information, for application details. Listings: ASTM F493, NSF®-CW, PW, DWV, SW, U.P. Code, ICC-ES PMG.



The Only Chemically Resistant Cement Approved for Spears® **LabWaste™**

LW-5 LabWaste™ One-Step CPVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
LW5-020	Pint	12	0	704	40.64
LW5-030	Quart	12	0	704	54.18
LW5-040	Gallon	6	0	704	220.41
LW5-050	5 Gallon	1	0	704	1102.09

Solvent Cements & Thread Sealants

ABS Low VOC Cements



ABS cements are specially formulated for rigid ABS pipe and fittings in all classes, schedules and fittings having interference type sockets. These medium-bodied, fast setting cements are used for all classes and schedules with interference fit through 8" diameter in ABS drain, waste and vent systems (DWV), and sewer applications. Do not use primer on ABS pipe and fittings.

- Low VOC emissions comply with SCAQMD Rule 1168/316A
- 3-Year Shelf Life

ABS-73 BLACK: Medium bodied, fast setting, high strength ABS solvent cement for all classes and schedules of pipe and fittings with interference fit through 8" diameter. Listings: ASTM D2235, NSF®-DWV, SW, U.P. Code.



ABS-73 Black Medium Body ABS Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
ABS73B-005	1/4 Pint	24	0	708	6.50
ABS73B-010	1/2 Pint	24	0	708	8.75
ABS73B-020	Pint	12	0	708	14.60
ABS73B-030	Quart	12	0	708	23.90
ABS73B-040	Gallon	6	0	708	80.15

ABS-71 YELLOW/MILKY: Medium bodied, fast setting, high strength ABS solvent cement for all classes and schedules of pipe and fittings with interference fit through 8" diameter. Listings: ASTM D2235, NSF®-DWV, SW, U.P. Code, CSA (Yellow Only) B181.1.



ABS-71 Yellow Medium Body ABS Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
ABS71Y-005	1/4 Pint	24	0	708	7.72
ABS71Y-010	1/2 Pint	24	0	708	9.22
ABS71Y-020	Pint	12	0	708	16.20
ABS71Y-030	Quart	12	0	708	27.60
ABS71Y-040	Gallon	6	0	708	93.90

ABS-71 Milky Medium Body ABS Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
ABS71M-005	1/4 Pint	24	0	708	7.72
ABS71M-010	1/2 Pint	24	0	708	9.22
ABS71M-020	Pint	24	0	708	16.20
ABS71M-030	Quart	24	0	708	27.60
ABS71M-040	Gallon	24	0	708	93.90



Solvent Cements & Thread Sealants

ABS to PVC Transition & Multi Purpose Low VOC Cements

Designed for joining PVC, ABS, CPVC and Styrene pipe and fittings, involving both similar materials and transition joints between dissimilar plastic materials.

- Low VOC emissions comply with SCAQMD Rule 1168/316A
- 3-Year Shelf Life

ABS TO PVC-94 ABS-PVC GREEN: Medium bodied, fast setting transition cement for all classes and schedules with interference fit through 6" diameter (not for Schedule 80). Specifically designed for use on ABS to PVC transition joints in non-pressure systems. Suitable for sewer and DWV applications. Listings: ASTM D3138, NSF®-DWV, SW, U.P. Code.



ABS TO PVC-94 Green Medium Body ABS to PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
TRAN94G-005	1/4 Pint	24	0	708	8.00
TRAN94G-010	1/2 Pint	24	0	708	11.70
TRAN94G-020	Pint	12	0	708	19.05
TRAN94G-030	Quart	12	0	708	32.80
TRAN94G-040	Gallon	6	0	708	107.75

MP-90 MULTI-PURPOSE CLEAR: Medium bodied, fast setting, multi-purpose cement for all classes and schedules with interference fit through 6" diameter, Schedule 80 through 4" diameter. High-strength cement for PVC and CPVC pressure and on ABS and styrene low-pressure systems.



MP-90 Clear Multi-Purpose Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MP90C-005	1/4 Pint	24	0	708	7.55
MP90C-010	1/2 Pint	24	0	708	11.05
MP90C-020	Pint	12	0	708	18.55
MP90C-030	Quart	12	0	708	30.95

Solvent Cements & Thread Sealants

Low Extractable Low VOC Cement



LX-5 Clear: One-Step (no primer required) PVC cement specifically formulated for use with Spears® Low Extractable PVC piping, with interference fit through 6". Unlike conventional PVC solvent cements, LX-5 contains fewer contaminants and cures quickly to reduce potential for TOC contamination. See publication LXT-4, Low-Extractable Ultra Pure Water Systems, for application details.

- Low VOC Emissions comply with SCAQMD Rule 1168/316A
- 3-Year Shelf Life



LX-5 Low Extractable One-Step PVC Cement

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
LX5C-020	Pint	12	0	702	30.32
LX5C-030	Quart	12	0	702	48.91



Solvent Cements & Thread Sealants Low VOC Solvent Primers & Cleaners

Primers are used for the surface preparation of plastic pipe and fittings, which is necessary for the proper solvent welding of these materials. Cleaner aids in pre-cleaning to remove oil and grease.

- All Spears® Primers and Cleaners are low VOC products, which are environmentally friendly with lower emissions and reduced odor, surpassing the most stringent regulations and comply with SCAQMD Rule 1168/316A.
- Spears® Primers are certified for use with potable water by NSF® International.
- 3-Year Shelf Life

PRIMER-68 PURPLE/CLEAR: Essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces. Choose from Clear or Purple color which provides positive identification that a primer was used (check local code requirements). Listings: ASTM F656, NSF®-PW, DWV, SW, U.P. Code (Purple Only).



PRIMER-68 Clear Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM68C-005	1/4 Pint	24	0	709	6.50
PRIM68C-010	1/2 Pint	24	0	709	8.80
PRIM68C-020	Pint	12	0	709	16.30
PRIM68C-030	Quart	12	0	709	27.20
PRIM68C-040	Gallon	6	0	709	82.00

PRIMER-70 Purple Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70P-005	1/4 Pint	24	0	709	7.05
PRIM70P-010	1/2 Pint	24	0	709	9.60
PRIM70P-020	Pint	12	0	709	19.20
PRIM70P-030	Quart	12	0	709	31.10
PRIM70P-040	Gallon	6	0	709	102.20



CLEANER-65 CLEAR CLEANER: Water-thin cleaner recommended for use before priming of pipe and fittings to remove dirt, oil and grease from the bonding surfaces of PVC, CPVC, ABS and Styrene.



PRIMER-68 Purple Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM68P-005	1/4 Pint	24	0	709	6.50
PRIM68P-010	1/2 Pint	24	0	709	8.80
PRIM68P-020	Pint	12	0	709	16.30
PRIM68P-030	Quart	12	0	709	27.20
PRIM68P-040	Gallon	6	0	709	82.00

CLEANER-65 Clear Cleaner

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CLEAN65-005	1/4 Pint	24	0	709	5.20
CLEAN65-010	1/2 Pint	24	0	709	7.75
CLEAN65-020	Pint	12	0	709	13.45
CLEAN65-030	Quart	12	0	709	19.75
CLEAN65-040	Gallon	6	0	709	63.25

PRIMER-70 INDUSTRIAL GRADE PURPLE/CLEAR: Premium, industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces. Specially recommended for use on Schedule 80 (150 psi and higher) and large size pipe. Excellent for cold weather applications. Listings: ASTM F656, NSF®-PW, DWV, SW, U.P. Code (Purple Only).



PRIMER-70 Clear Industrial Strength Primer

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PRIM70C-005	1/4 Pint	24	0	709	7.05
PRIM70C-010	1/2 Pint	24	0	709	9.60
PRIM70C-020	Pint	12	0	709	19.20
PRIM70C-030	Quart	12	0	709	31.10
PRIM70C-040	Gallon	6	0	709	102.20

Solvent Cements & Thread Sealants Applicators & Accessories



Can-Mate Kit

Includes Plastic Carrier Strap and two (2) Can-Mate 150 adjustable Daubers. Provides convenient carrying of ½ pint, pint or quart cans of cement and primer.



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CM-KIT	2 @1-1/4"	24	0	710	12.30

Small-Cap Swab

Fits 1-3/4" Neck Quart Cans (MT-651). 4" length for pipe size 3" to 8".



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
5020	4" Length	24	0	710	13.30

Can-Mate Daubers

Adjustable Plastic Applicator with Telescoping Stem for use with Standard 1/2 Pint, Pint and Quart Cans.



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
CM-50	1/2"	50	0	710	4.70
CM-75	3/4"	50	0	710	4.70
CM-150	1-1/4"	50	0	710	4.70

See application footnote below

1/2" Diameter for pipe sizes up to 1"
3/4" Diameter for pipe size to 1-1/2"
1-1/4" Diameter for pipe size 1-1/2" to 3"

Large-Cap Swab

Fits 2-7/8" Neck Gallon Can (MT-648). For pipe size 6" & larger.



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
4020	4" Length	24	0	710	19.61

Cap Daubers

Fits 1-3/4" Neck Cans. Size by Dauber Diameter and Can Fitment.



Swab with Heavy Handle

For pipe size 6" & larger



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
4520	4" length	12	0	710	16.60

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

See application footnotes below

DQP-50	1/2" for 1/4 Pint	50	0	710	1.30
DQP-75	3/4" for 1/4 Pint	50	0	710	1.30
DHP-38	3/8" for 1/2 Pint	50	0	710	1.10
DHP-50	1/2" for 1/2 Pint	50	0	710	1.10
DHP-75	3/4" for 1/2 Pint	50	0	710	1.17
DP-50	1/2" for Pint	50	0	710	1.10
DP-75	3/4" for Pint	50	0	710	1.17
DP-125	1-1/4" for Pint	50	0	710	1.41
DQ-50	1/2" for Quart	50	0	710	1.10
DQ-75	3/4" for Quart	50	0	710	1.10
DQ-125	1-1/4" for Quart	50	0	710	1.41

3/8" Diameter for pipe sizes to 3/4"
1/2" Diameter for pipe sizes to 1"
3/4" Diameter for pipe size to 1-1/2"
1-1/4" Diameter for pipe size 1-1/2" to 3"

Small-Cap Roller

Fits 1-3/4" Neck Quart Cans (MT-651). Replaceable cover. For pipe size 3" to 6".



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
6020	4" length	24	0	710	13.33

Can Roller

Fits Paint Type Quart Can (MT-653). For use with pipe sizes 3" to 6".



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
3020	3" length	24	0	710	14.32



Solvent Cements & Thread Sealants Applicators & Accessories

Large-Cap Roller

Fits 2-7/8" Neck Gallon Can (MT-648). Roller for pipe size 6" & larger.



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
7020	7" length	20	0	710	17.83

Acid Brush

Small Utility Brush



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
AB-1	1/2"	144	0	710	.45

Roller with Heavy Handle

Replaceable Cover. For pipe size 6" & larger.



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
5520	4" length	12	0	710	13.55
6520	6" length	12	0	710	16.60

Standard Empty Cans

1-3/4" Neck



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MT-656	1/4 Pint	24	0	710	2.11
MT-655	1/2 Pint	24	0	710	3.17
MT-654	Pint	12	0	710	6.61
MT-651	Quart	12	0	710	7.46
MT-647	Gallon	6	0	710	17.55

Roller Replacement Covers

Fits Rollers with Heavy Handles #5520, #6020 & #6520. Sold as Pack of 2, full pack only.



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
5520-1	Fits 5520 & 6020 Roller	1	75	710	12.08
6520-1	Fits 6520 Roller	1	50	710	13.30

Large Mouth Empty Cans

2-7/8" Neck



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MT-648	Gallon	6	0	710	21.95

Cap Brushes

For Pint and Quart Cans



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
KD-110	4-1/2" length	25	0	710	8.56
KD-112	5-1/2" length	25	0	710	8.56

Easy Pour Spout

Fits 1/4 Pint, 1/2 Pint, Pint, Quart, & Gallon Can 1-3/4" Neck



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
EPS-1	N/A	36	0	710	5.05



Paint Type Empty Cans



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
MT-652	Pint	12	0	710	6.61
MT-653	Quart	12	0	710	7.46
MT-650	Gallon	4	0	710	15.80

Deburring Tool

Cone Type for PVC, CPVC, ABS, PE & PB pipe from 1/2" through 2"



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
DEB-2	1/2 to 2 Pipe	1	6	710	87.25



Solvent Cements & Thread Sealants Spears® Solvent Cement & Primer Selection Guide

Please refer to the selection guide below in selecting the right Spears® products for your application.

Type	Body	Product	Color	Relative Set	Capacity	Features
PVC	Regular	PVC-00	Clear	Fast	Schedule 40 - 4"	
		PVC-02	Clear	Fast	Schedule 40 - 4"	Dries Clearest, slightly thicker than PVC-00
	Medium	PVC-05	Clear	Fast	All Classes & Schedules - 6" Schedule 80 - 4"	Industrial Duty Primerless Capability ¹
		PVC-21	Blue	Fast	Schedule 40 - 6" Schedule 80 - 4"	Primerless Capability ¹
	Heavy	PVC-11	Gray	Medium	All Classes & Schedules - 12"	Industrial Duty
		PVC-17	Clear/ Gray	Medium	All Classes & Schedules - 12" Non-pressure - 18"	Industrial Duty
	Heavy Extra	PVC19	White/ Gray	Slow	All Classes & Schedules Requiring High Gap Filling - 30"	Industrial Duty
	Specialty Cements	PVC-25	Aqua Blue	Very Fast	All Classes & Schedules - 6" Schedule 80 - 4"	Wet-N-Dry Formulation Primerless Capability ¹
		PVC-27	Clear	Very Fast	All Classes & Schedules - 6" Schedule 80 - 4"	Cold-N-Hot Formulation -15°F to 110°F Primerless Capability ¹
		PVC-50	Blue	Very Fast	Schedule 40 - 6" Schedule 80 - 4"	HOT PVC Formulation Primerless Capability ¹
		PVC-95	Clear/ Blue	Fast	All Classes & Schedules - 6" Schedule 80 - 3"	Flexible PVC for Flex-Flex, Flex-Rigid Joints
		LX-5	Clear	Fast	Low Extractable PVC Systems - 6"	One Step ² Low Extractable, High Purity Cement
CPVC	Heavy	CPVC-24	Gray/ Orange	Medium	All Classes & Schedules PVC or CPVC - All Sizes	Most Versatile, Chemically Resistant Cement for both CPVC & PVC Systems - including Duct - Industrial Duty
	Specialty Cements	LW-5	Mustard	Medium	LabWaste™ CPVC Drainage Systems - 24"	One Step ² Cement -Only LabWaste™ System Chemically Approved Cement
		FS-5	Red	Fast	CPVC Fire Sprinkler Systems - 3"	One-Step ² Cement for all CPVC Fire Sprinkler Systems - FlameGuard® & BlazeMaster®
		CTS-5	Yellow	Fast	CTS CPVC Systems - 2"	One-Step ² Cement for all CTS CPVC Systems - EverTUFF® & FlowGuard Gold®
ABS	Medium	ABS-71	Yellow/ Milky	Fast	All ABS Classes & Schedules - 8"	
		ABS-73	Black	Fast	All ABS Classes & Schedules - 8"	
Transition & Multi-Purpose	Medium	ABS TO PVC-94	Green	Fast	All Classes & Schedules - 6" (Except Schedule 80)	For ABS-to-PVC Transition Joints
		MP-90	Clear	Fast	All Classes & Schedules - 6" Schedule 80 - 4"	For PVC and CPVC pressure ABS and Styrene low-pressure systems
Primers & Cleaners		Primer-70	Purple/ Clear		All Classes & Schedules PVC & CPVC - 30"	Industrial Duty
		Primer-68	Purple/ Clear		All Classes & Schedules PVC & CPVC - 30"	
		Cleaner-65	Clear		All Classes & Schedules -All Sizes	For PVC, CPVC, ABS or Styrene

Notes

1= Primerless Capability indicates a cement can be used without primer in certain applications if local code permits. See specific cement information for further restrictions.

2 = One Step designates a cement specifically designed for use without primer. CTS One Step acceptability depends on local code requirements.

CTS = Copper Tube Size, ASTM D2846 Hot and Cold Water Distribution Systems.

Solvent Cements & Thread Sealants
Solvent Cemented Joints - Initial Set Schedule, Cure Schedule and Cement Usage Table



The following are basic guidelines and may require adjustment according to application or installation conditions. Certain specialty cements, such as FlameGuard® FS-5, may have different instructions for specific application conditions. Consult appropriate installation instructions for details.

INITIAL SET SCHEDULE: The Initial set schedule is the necessary waiting period before handling newly assembled joints. After initial set, the joint will withstand the stress of a normal installation. In damp or humid weather allow 50% more set time.

AVERAGE INITIAL SET SCHEDULE FOR SPEARS® PVC/CPVC SOLVENT CEMENTS

Temperature Range	Pipe Sizes 1/2" to 1-1/4"	Pipe Sizes 1-1/2" to 2"	Pipe Sizes 2-1/2" to 8"	Pipe Sizes 10" to 15"	Pipe Sizes 15"+
60° - 100°F/16° - 38°C	2 minutes	5 minutes	30 minutes	2 hours	4 hours
40° - 60°F/5° - 16°C	5 minutes	10 minutes	2 hours	8 hours	16 hours
0° - 40°F/-18° - 5°C	10 minutes	15 minutes	12 hours	24 hours	48 hours

JOINT CURE SCHEDULE: The Joint cure schedule is the necessary waiting period before pressurizing newly assembled joints. Follow the schedule carefully. In damp or humid weather or chemical applications, allow a minimum of 50% more cure time.

AVERAGE JOINT CURE SCHEDULE FOR SPEARS® PVC/CPVC SOLVENT CEMENTS

Relative Humidity 60% or Less	Cure Time Pipe Sizes 1/2" to 1-1/4"		Cure Time Pipe Sizes 1-1/2" to 2"		Cure Time Pipe Sizes 2-1/2" to 8"		Cure Time Pipe Sizes 10" to 15"	Cure Time Pipe Sizes 15"+
Temperature range during assembly and cure periods	Up to 160 psi	Above 160 to 370 psi	Up to 160 psi	Above 160 to 315 psi	Up to 160 psi	Above 160 to 315 psi	Up to 100 psi	Up to 100 psi
60° - 100°F/16° - 38°C	15 min	6 hrs	30 min	12 hrs	1-1/2 hrs	24 hrs	48 hrs	72 hrs
40° - 60°F/5° - 16°C	20 min	12 hrs	45 min	24 hrs	4 hrs	48 hrs	96 hrs	6 days
0° - 40°F/-18° - 5°C	30 min	48 hrs	1 hr	96 hrs	72 hrs	8 days	8 days	14 days

AVERAGE NUMBER OF JOINTS PER QUART OF SPEARS® CEMENT

Pipe Diameter	1/2"	3/4"	1"	1-1/2"	2"	3"	4"	6"	8"	10"	12"	15"	18"
Number of Joints	300	200	125	90	60	40	30	10	5	2-3	1-2	3/4	1/2

NOMINAL INCH AND CORRESPONDING NOMINAL MILLIMETER PIPE SIZES

in.	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	18"	24"	30"
mm	20	25	32	40	50	63	75	90	110	160	200	250	315	355	450	600	800

SPEARS® APPLICATOR SELECTION GUIDE

For proper solvent cement welding of pipe and fittings, the cement applicator must be no less than half the size of the pipe

DAUBERS	Pipe Diameters						
	1/4"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2
3/8" Dauber	*	*	*				
1/2" Dauber			*	*			
3/4" Dauber					*	*	
1-1/4" Dauber							*
ROLLERS & SWABS			SIZE		FOR PIPE DIAMETERS		
3020			3" Roller		3" - 6"		
6020			4" Roller		3" - 8"		
7020			7" Roller		6" +		
5520			4" Roller		6" +		
6520			6" Roller		6" +		
4020			4" Swab		6" +		
5020			4" Swab		3" - 8"		
4520			4" Swab		6" +		

PRODUCT SHELF LIFE

Spears® Products	Shelf Life	Spears® Products	Shelf Life
Primers / Cleaners	3 years	CPVC Solvent Cement	2 years
PVC Solvent Cement	3 years	ABS Solvent Cement	3 years



FlameGuard® CPVC Fire Sprinkler Products FlameGuard® CPVC Fire Sprinkler Piping Products

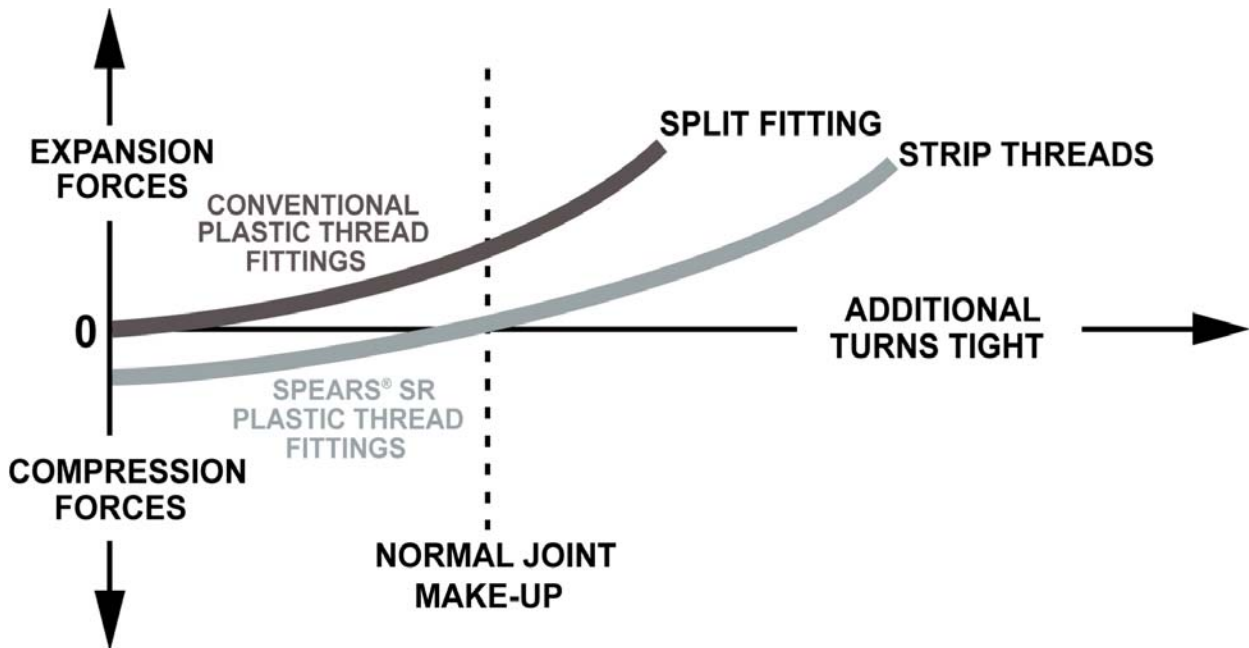
SPEARS® Patented SR Design Sprinkler Head Adapters



SPEARS® Patented Special Reinforced (SR) plastic female thread design is one of the most significant advancements in the use of CPVC Fire Sprinkler System threaded fittings. Not just an added ring, this unique precompression design compensates for expansion forces generated from tapered pipe thread joint make-up. Radial stress is no longer a problem in normal installations and easily managed in severe over-tightening situations.

Contains and Compensates for Radial Stress...

Radial stress, generated by tightening of tapered pipe threads, exerts tremendous expansion force on female plastic thread fittings. When subjected to over-tightening - even accidentally - these forces can literally split the fitting. Spears® patented SR Adapter design not only alleviates this problem by containing expansion forces with its special reinforced collar, but additionally compensates for expansion stress through thermoplastic material compression. Stresses are equalized at normal joint make-up. The following graph illustrates this effect in a comparison of conventional plastic female thread fittings with Spears® SR adapters when taken to failure.



Another Quality SPEARS® Product Designed for Performance, Customer Satisfaction and Service.

FlameGuard® CPVC Fire Sprinkler Products
FlameGuard® CPVC Fire Sprinkler Piping Products



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

FlameGuard® CPVC Fire Sprinkler Pipe

SDR 13.5 10' Lengths, Price Per Foot



List Price Per Foot

CP-007-10	3/4	260	0	071	1.69
CP-010-10	1	170	0	071	2.61
CP-012-10	1-1/4	90	0	071	4.09
CP-015-10	1-1/2	70	0	071	5.65
CP-020-10	2	50	0	071	8.45
CP-025-10	2-1/2	40	0	071	12.90
CP-030-10	3	30	0	071	19.60

Pipe

SDR 13.5, 15' Lengths, Price Per Foot



List Price Per Foot

CP-007	3/4	390	0	071	1.69
CP-010	1	255	0	071	2.61
CP-012	1-1/4	135	0	071	4.09
CP-015	1-1/2	105	0	071	5.65
CP-020	2	75	0	071	8.45
CP-025	2-1/2	60	0	071	12.90
CP-030	3	45	0	071	19.60

Tee

Socket x Socket x Socket



4201-007	3/4	20	220	070	3.54
4201-010	1	15	120	070	7.18
4201-012	1-1/4	10	0	070	10.73
4201-015	1-1/2	10	0	070	15.78
4201-020	2	10	0	070	23.29
4201-025	2-1/2	10	0	070	37.95
4201-030	3	5	0	070	59.47

Reducing Tee

Socket x Socket x Socket



4201-102	3/4X1	20	0	070	6.06
4201-125	1X3/4X3/4	15	150	070	6.06
4201-126	1X3/4X1	15	0	070	6.06
4201-131	1X3/4	20	0	070	6.06
4201-157	1-1/4X1X3/4	15	0	070	11.19
4201-158	1-1/4X1X1	15	0	070	11.19
4201-159	1-1/4X1X1-1/4	15	0	070	11.19
4201-167	1-1/4X3/4	15	0	070	11.19
4201-168	1-1/4X1	15	0	070	11.19
4201-169	1-1/4X1-1/2	10	0	070	13.51
4201-201	1-1/2X1-1/4X3/4	10	0	070	13.51
4201-202	1-1/2X1-1/4X1	10	0	070	13.51
4201-210	1-1/2X3/4	15	0	070	13.51
4201-211	1-1/2X1	10	0	070	13.51
4201-212	1-1/2X1-1/4	10	0	070	13.51
4201-213	1-1/2X2	10	0	070	21.44
4201-248	2X3/4	10	0	070	21.44
4201-249	2X1	10	0	070	21.44
4201-250	2X1-1/4	10	0	070	21.44
4201-251	2X1-1/2	10	0	070	21.44
4201-289	2-1/2X1	10	0	070	29.48
4201-290	2-1/2X1-1/4	10	0	070	29.48
4201-291	2-1/2X1-1/2	10	0	070	29.48
4201-292 ¹	2-1/2X2	10	0	070	29.48
4201-335	3X1	5	0	070	34.02
4201-336 ¹	3X1-1/4	5	0	070	34.02
4201-337 ¹	3X1-1/2	5	0	070	34.02
4201-338	3X2	5	0	070	34.02

Made in the U.S.A.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GAS
Progressive Products from Spears® Innovation and Technology

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Reducing Tee (continued)

Socket x Socket x Socket

4201-339	3X2-1/2	5	0	070	34.02
----------	---------	---	---	-----	-------

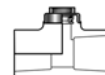
¹Outlet sized with Bushing

TorqueSafe™ Sprinkler Head Tee - Gasket

Sealed Brass Thread Insert Style

Socket x Socket x Gasket FIPT With Elastomer Seal - Use

NO Thread Sealant



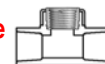
4202-101 G	3/4X1/2	50	0	076	13.14
4202-124 G	1X3/4X1/2	50	0	076	14.18
4202-130 G	1X1/2	50	0	076	14.18
4202-166 G	1-1/4X1/2	15	0	076	23.65
4202-209 G	1-1/2X1/2	10	0	076	31.15
4202-247 G	2X1/2	10	0	076	43.93

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head Tee - Brass Thread Insert Style

Socket x Socket x FIPT



4202-101	3/4X1/2	50	0	076	13.14
4202-124	1X3/4X1/2	50	0	076	14.18
4202-130	1X1/2	50	0	076	14.18
4202-010	1	10	40	076	36.47
4202-156	1-1/4X1X1/2	15	0	076	23.65
4202-166	1-1/4X1/2	15	0	076	23.65
4202-199	1-1/2X1-1/4X1/2	10	0	076	31.15
4202-209	1-1/2X1/2	10	0	076	31.15
4202-237	2X1-1/2X1/2	10	0	076	43.93
4202-247	2X1/2	10	0	076	43.93

Not intended to convey or dispense water for human consumption through drinking or cooking

TorqueSafe™ Sprinkler Head Tee - Gasket

Sealed Brass Thread Insert Style

Socket x Gasket FIPT x Socket With Elastomer Seal - Use

NO Thread Sealant



4203-122 G	1X1/2X1	50	0	076	23.29
------------	---------	----	---	-----	-------

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head Tee - Brass Thread Insert Style

Socket x FIPT x Socket



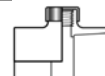
4203-122	1X1/2X1	50	0	076	23.29
----------	---------	----	---	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head Tee - Special Reinforced

Plastic Thread Style

Socket x Socket x SR FIPT - Stainless Steel Collar



4202-010SR	1	15	0	076	19.38
4202-101SR	3/4X1/2	50	0	076	6.99
4202-124SR	1X3/4X1/2	50	0	076	7.55
4202-130SR	1X1/2	50	0	076	7.55
4202-156SR	1-1/4X1X1/2	15	0	076	12.59
4202-166SR	1-1/4X1/2	15	0	076	12.59
4202-168SR	1-1/4X1	15	0	076	27.06
4202-199SR	1-1/2X1-1/4X1/2	10	0	076	16.57
4202-209SR	1-1/2X1/2	25	0	076	16.57
4202-211SR	1-1/2X1-1/2X1	10	0	076	16.57
4202-237SR	2X1-1/2X1/2	10	0	076	23.38
4202-247SR	2X1/2	10	0	076	23.38
4202-287SR	2-1/2X1/2	10	0	076	32.04

Page 707

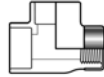


FlameGuard® CPVC Fire Sprinkler Products FlameGuard® CPVC Fire Sprinkler Piping Products

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Sprinkler Head Tee - Special Reinforced Plastic Thread Style

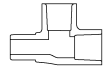
Socket x SR FIPT x Socket - Stainless Steel Collar



4203-122SR	1X1/2X1	50	0	076	8.11
------------	---------	----	---	-----	------

Street Tee

Spigot x Socket x Socket



4244-007	3/4	15	105	070	6.32
4244-010	1	15	0	070	8.43
4244-012	1-1/4	10	0	070	15.31
4244-015	1-1/2	10	0	070	18.53
4244-020	2	10	0	070	27.40

90° EII

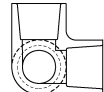
Socket x Socket



4206-007	3/4	30	300	070	2.61
4206-010	1	20	200	070	5.80
4206-012	1-1/4	10	100	070	7.41
4206-015	1-1/2	10	0	070	10.35
4206-020	2	25	0	070	12.80
4206-025	2-1/2	5	0	070	24.70
4206-030	3	5	0	070	33.69

Side Outlet EII

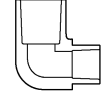
Socket x Socket x Socket



4213-007	3/4	50	0	070	8.50
4213-010	1	25	0	070	11.59

90° Reducing EII

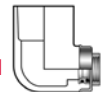
Socket x Socket



4206-131	1X3/4	20	240	070	5.14
----------	-------	----	-----	-----	------

TorqueSafe™ 90° Sprinkler Head Elbow - Gasket Sealed Brass Thread Insert Style

Socket x Gasket FIPT With Elastomer Seal - Use NO Thread Sealant



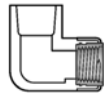
4207-101 G	3/4X1/2	20	120	076	8.68
4207-130 G	1X1/2	15	90	076	12.20
4207-166 G	1-1/4X1/2	10	60	076	16.99

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head 90° EII - Brass Thread Insert Style

Socket x FIPT

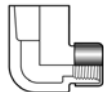


4207-101	3/4X1/2	20	120	076	8.68
4207-130	1X1/2	15	90	076	12.20
4207-131	1X3/4	25	0	076	14.76
4207-166	1-1/4X1/2	10	60	076	16.99

Not intended to convey or dispense water for human consumption through drinking or cooking

Sprinkler Head 90° EII - Special Reinforced Plastic Thread Style

Socket x SR FIPT - Stainless Steel Collar



4207-101SR	3/4X1/2	20	180	076	4.61
4207-130SR	1X1/2	10	150	076	6.50
4207-131SR	1X3/4	50	0	076	7.86
4207-166SR	1-1/4X1/2	25	0	076	8.26

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

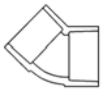
90° Street EII Spigot x Socket



4209-007	3/4	50	0	070	5.67
4209-010	1	50	0	070	8.38
4209-012	1-1/4	25	0	070	13.78
4209-015	1-1/2	10	0	070	16.79
4209-020	2	25	0	070	24.72

45° EII

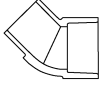
Socket x Socket



4217-007	3/4	20	360	070	3.54
4217-010	1	15	240	070	4.21
4217-012	1-1/4	10	120	070	6.17
4217-015	1-1/2	10	0	070	8.48
4217-020	2	10	0	070	10.67
4217-025	2-1/2	5	0	070	19.01
4217-030	3	5	0	070	27.49

45° Street EII

Spigot x Socket



4227-010	1	50	0	070	4.21
4227-012	1-1/4	25	0	070	6.17
4227-015	1-1/2	25	0	070	7.63
4227-020	2	20	0	070	10.67

22-1/2° EII

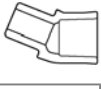
Socket



4216-007	3/4	20	360	070	4.24
4216-010	1	20	240	070	5.47
4216-012	1-1/4	20	0	070	7.40
4216-015	1-1/2	20	0	070	10.17
4216-020	2	20	0	070	12.59
4216-025	2-1/2	5	0	070	25.86
4216-030	3	5	0	070	32.78

22-1/2° Street EII

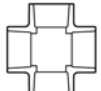
Spigot x Socket



4242-007	3/4	50	0	070	4.45
4242-010	1	50	0	070	5.73
4242-012	1-1/4	20	0	070	7.79
4242-015	1-1/2	25	0	070	10.69
4242-020	2	20	0	070	13.23
4242-025	2-1/2	5	0	070	18.55
4242-030	3	5	0	070	26.57

Cross

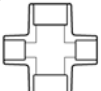
Socket x Socket x Socket x Socket



4220-007	3/4	20	0	070	5.59
4220-010	1	15	0	070	6.98
4220-012	1-1/4	10	0	070	9.73
4220-015	1-1/2	10	0	070	13.28
4220-020	2	8	0	070	21.63
4220-025	2-1/2	5	0	070	47.54
4220-030	3	5	0	070	69.72

Reducing Cross

Socket x Socket x Socket x Socket



4220-131	1X3/4	20	0	070	7.54
----------	-------	----	---	-----	------

FlameGuard® CPVC Fire Sprinkler Products
FlameGuard® CPVC Fire Sprinkler Piping Products



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Reducing Cross (continued)

Socket x Socket x Socket x Socket

4220-167	1-1/4X3/4	25	0	070	11.65
4220-289	2-1/2X1	15	0	070	30.07

Coupling

Socket x Socket



4229-007	3/4	25	500	070	2.55
4229-010	1	25	250	070	3.26
4229-012	1-1/4	10	160	070	4.89
4229-015	1-1/2	10	100	070	6.98
4229-020	2	20	0	070	9.41
4229-025	2-1/2	10	0	070	14.34
4229-030	3	5	0	070	18.65

Reducer Coupling

Socket x Socket



4229-131	1X3/4	15	270	070	3.26
4229-167	1-1/4X3/4	25	0	070	5.06
4229-168	1-1/4X1	10	140	070	4.89
4229-210	1-1/2X3/4	25	0	070	7.54
4229-211	1-1/2X1	10	70	070	7.33
4229-212	1-1/2X1-1/4	10	120	070	6.98
4229-248	2X3/4	10	80	070	9.83
4229-249	2X1	10	60	070	9.83
4229-250	2X1-1/4	10	60	070	9.59
4229-251	2X1-1/2	10	100	070	9.41
4229-291	2-1/2X1-1/2	10	0	070	14.49
4229-292	2-1/2X2	10	0	070	14.85

Grooved Coupling Adapter

Groove x Socket



4233-012	1-1/4	10	40	076	97.98
4233-015	1-1/2	10	40	076	103.84
4233-020	2	8	32	076	120.27
4233-025	2-1/2	5	0	076	154.27
4233-030	3	5	0	076	171.50

Not intended to convey or dispense water for human consumption through drinking or cooking

Male Adapter

MIPT x Socket



4236-007	3/4	40	160	076	38.97
4236-010	1	10	60	076	59.58
4236-012	1-1/4	10	60	076	71.25
4236-015	1-1/2	10	40	076	129.31
4236-020	2	8	32	076	172.08

Female Adapter - Brass Thread Insert Style

Socket x FIPT



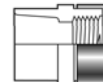
4235-007	3/4	15	90	076	17.32
4235-010	1	15	90	076	30.39
4235-012	1-1/4	15	60	076	49.54
4235-015	1-1/2	10	40	076	66.09
4235-020	2	8	32	076	82.83

Not intended to convey or dispense water for human consumption through drinking or cooking

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	--------	----------	-----------	------------

Female Adapter - Special Reinforced Plastic Thread Style

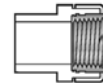
Socket x SR FIPT - Stainless Steel Collar



4235-007SR	3/4	25	300	076	8.22
4235-010SR	1	25	200	076	14.45
4235-012SR	1-1/4	10	60	076	23.52

Spigot Female Adapter - Brass Thread Insert Style

Spigot x FIPT

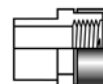


4278-007	3/4	25	150	076	16.20
4278-010	1	15	90	076	28.85

Not intended to convey or dispense water for human consumption through drinking or cooking

Spigot Female Adapter - Special Reinforced Plastic Thread Style

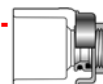
Spigot x SR FIPT - Stainless Steel Collar



4278-007SR	3/4	25	300	076	8.63
4278-010SR	1	50	0	076	15.36

TorqueSafe™ Female Sprinkler Head Adapter - Gasket Sealed Brass Thread Insert Style

Socket x Gasket FIPT



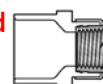
4235-101 G	3/4X1/2	50	0	076	9.46
4235-130GS	1X1/2	50	0	076	10.10
4235-131 G	1X3/4	50	0	076	15.96

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Female Sprinkler Head Adapter - Brass Thread Insert Style

Socket x FIPT

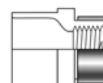


4235-101	3/4X1/2	50	0	076	9.46
4235-130	1X1/2	50	0	076	10.10
4235-131	1X3/4	50	0	076	15.96

Not intended to convey or dispense water for human consumption through drinking or cooking

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style

Socket x SR FIPT - Stainless Steel Collar



4235-101SR	3/4X1/2	50	200	076	5.02
4235-130SR	1X1/2	50	0	076	5.37
4235-131SR	1X3/4	50	0	076	8.50

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style with Socket Body Wrench Flats

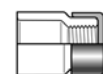
Socket x SR FIPT - Stainless Steel Collar



W4235-101SR	3/4X1/2	50	0	076	5.73
W4235-130SR	1X1/2	50	0	076	6.13

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread with Metal Thread Start

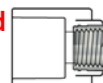
Socket x SR FIPT - Zinc Collar



Z4235-101SR	3/4X1/2	50	200	076	5.02
-------------	---------	----	-----	-----	------

Female Sprinkler Head Adapter - Brass Thread Insert Style with Long Body

Socket x FIPT



L4235-130	1X1/2	50	0	076	14.32
-----------	-------	----	---	-----	-------



FlameGuard® CPVC Fire Sprinkler Products FlameGuard® CPVC Fire Sprinkler Piping Products

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

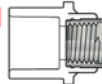
Female Sprinkler Head Adapter - Brass Thread Insert Style with Long Body (continued)

Socket x FIPT

Not intended to convey or dispense water for human consumption through drinking or cooking

Female Sprinkler Head Adapter - Brass Thread Insert Style with Positioning Ring

Socket x FIPT

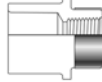


R4235-101	3/4X1/2	50	0	076	9.46
-----------	---------	----	---	-----	------

Not intended to convey or dispense water for human consumption through drinking or cooking

Female Sprinkler Head Adapter - Special Reinforced Plastic Thread Style with Positioning Ring

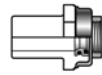
Socket x SR FIPT - Stainless Steel Collar



R4235-101SR	3/4X1/2	25	300	076	5.67
-------------	---------	----	-----	-----	------

TorqueSafe™ Female Spigot Sprinkler Head Adapters - Gasket Sealed Brass Thread Insert Style

Spigot x Gasket FIPT x Socket With Elastomer Seal - Use NO Thread Sealant



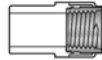
4238-101 G	3/4X1/2	50	0	076	9.46
4238-130 G	1X1/2	50	0	076	10.10

FIPT With Elastomer Seal - Use NO Thread Sealant

Not intended to convey or dispense water for human consumption through drinking or cooking

Spigot Female Sprinkler Head Adapters - Brass Thread Insert Style

Spigot x FIPT



4238-101	3/4X1/2	50	0	076	9.46
4238-130	1X1/2	50	0	076	10.10

Not intended to convey or dispense water for human consumption through drinking or cooking

TorqueSafe™ Bushing - Gasket Sealed Brass Thread Insert Style

Spigot x Gasket FIPT With Elastomer Seal - Use NO Thread Sealant



4238-130BR G	1X1/2	50	300	076	13.07
--------------	-------	----	-----	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Bushing - with Brass Thread Insert

Spigot x FIPT

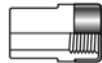


4238-130BR	1X1/2	50	300	076	13.07
------------	-------	----	-----	-----	-------

Not intended to convey or dispense water for human consumption through drinking or cooking

Spigot Female Sprinkler Head Adapters - Special Reinforced Plastic Threaded Style

Spigot x SR FIPT - Stainless Steel Collar



4238-101SR	3/4X1/2	50	400	076	5.02
4238-130SR	1X1/2	50	0	076	5.43

Adjustable Sprinkler Head Adapters - Special Reinforced Plastic Thread Style

Socket x SR FIPT - Zinc Collar



42001SR	3/4X1/2	12	0	076	12.82
42011SR	1X1/2	12	0	076	12.82

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

Adjustable Sprinkler Head Adapters - Special Reinforced Plastic Thread Style

Spigot x SR FIPT - Zinc Collar



42004SR	3/4X1/2	12	0	076	12.82
42014SR	1X1/2	12	0	076	12.82

Reducer Bushing - Flush Style

Spigot x Socket



4237-131	1X3/4	50	700	070	1.98
4237-167	1-1/4X3/4	25	200	070	3.11
4237-168	1-1/4X1	25	350	070	3.11
4237-210	1-1/2X3/4	25	125	070	3.50
4237-211	1-1/2X1	25	150	070	3.50
4237-212	1-1/2X1-1/4	25	300	070	3.50
4237-248	2X3/4	10	160	070	5.13
4237-249	2X1	10	160	070	5.13
4237-250	2X1-1/4	10	160	070	5.13
4237-251	2X1-1/2	10	160	070	5.13
4237-290	2-1/2X1-1/4	10	0	070	8.87
4237-291	2-1/2X1-1/2	10	0	070	8.87
4237-292	2-1/2X2	15	0	070	8.87
4237-338	3X2	10	0	070	13.28
4237-339	3X2-1/2	10	0	070	13.28

Cap Socket



4247-007	3/4	25	400	070	1.54
4247-010	1	25	450	070	2.22
4247-012	1-1/4	10	120	070	3.50
4247-015	1-1/2	10	160	070	4.85
4247-020	2	10	60	070	7.39
4247-025	2-1/2	5	40	070	10.49
4247-030	3	5	0	070	17.16

Test Plug - O-ring Sealed

MIPT - For Pressure Testing Only. NOT for use with Z4235

Series or Gasket Sealed Adapters



FTP-005	1/2	50	400	079	1.69
---------	-----	----	-----	-----	------

DO NOT use with Tape or Paste thread sealants

Test Plug Replacement O-ring

Buna-N, For O-ring Sealed Test Plug Only



B-116	116	100	0	901	.11
-------	-----	-----	---	-----	-----

For Use With FTP-005 Test Plug

Test Plug for TorqueSafe™ Gasket Sealed Head Adapters

MIPT - For Pressure Testing Only. Use ONLY with Gasket

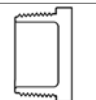
Sealed Head Adapters



FTP-005GS	1/2	50	400	079	1.69
-----------	-----	----	-----	-----	------

Test Plug - White PVC

MIPT - For Pressure Testing Only



4250-005	1/2	50	400	070	1.67
----------	-----	----	-----	-----	------

Requires use of a thread sealant

Flange

Socket - 4 Bolt Holes - 175 lb.



4251-007	3/4	25	0	070	5.50
4251-010	1	15	0	070	7.31
4251-012	1-1/4	15	0	070	9.41

FlameGuard® CPVC Fire Sprinkler Products
FlameGuard® CPVC Fire Sprinkler Piping Products



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Flange (continued)					
Socket - 4 Bolt Holes - 175 lb.					
4251-015	1-1/2	15	0	070	10.91
4251-020	2	10	0	070	16.67
4251-025	2-1/2	10	0	070	28.21

Flange - Van Stone Style

Socket - 4 Bolt Holes - 175 lb.

4254-030	3	10	0	070	34.67
----------	---	----	---	-----	-------

Blind Flange

4 Bolt Holes - 175 lb.

4253-007	3/4	25	0	070	5.50
4253-010	1	15	0	070	7.82
4253-012	1-1/4	15	0	070	9.99
4253-015	1-1/2	15	0	070	11.23
4253-020	2	10	0	070	18.38
4253-025	2-1/2	10	0	070	29.55
4253-030	3	10	0	070	32.46

Flange - Van Stone Style

Spigot - 4 Bolt Holes - 175 lb.

4256-007	3/4	25	0	070	5.67
4256-010	1	15	0	070	8.00
4256-012	1-1/4	15	0	070	10.23
4256-015	1-1/2	15	0	070	11.49
4256-020	2	10	0	070	18.73
4256-025	2-1/2	10	0	070	29.96
4256-030	3	10	0	070	34.96

Union

Socket x Socket

175 psi Maximum Internal Pressure rating @ 73°F (23°C)

4257-007	3/4	10	80	070	7.09
4257-010	1	10	40	070	12.85
4257-012	1-1/4	5	20	070	16.82
4257-015	1-1/2	5	0	070	19.94
4257-020	2	5	0	070	32.77

Transition Union - Metal Thread Insert Style

Socket x FIPT

175 psi Maximum Internal Pressure rating @ 73°F (23°C)

4259-010BR	1	10	0	076	44.66
4259-012BR	1-1/4	5	20	076	65.48
4259-015BR	1-1/2	5	0	076	93.05
4259-020BR	2	5	0	076	137.22

Not intended to convey or dispense water for human consumption through drinking or cooking

Short Repair Couplings

Spigot x Socket

175 psi Maximum Internal Pressure rating @ 73°F (23°C)

SH118-07CO	3/4	30	0	025	12.88
SH118-10CO	1	35	0	025	20.88

Blue 75™ Thread Sealant

SB75-005	1/4 Pint	24	0	895	9.94
SB75-010	1/2 Pint	24	0	895	15.83

Made in the U.S.A.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
Blue 75™ Thread Sealant (continued)					
SB75-020	Pint	12	0	895	25.59
SB75-030	Quart	12	0	895	45.99

FS5 One-Step Cement

FS5-020	Pint	12	0	703	25.23
FS5-030	Quart	12	0	703	46.29

Accessories

Empty Can

MT-654	Pint	12	0	710	6.61
MT-651	Quart	12	0	710	7.46
MT-653	Quart	12	0	710	7.46

* 1-3/4" Screw Neck

**TT Paint Type

Brush

PB1	1	100	0	710	9.03
-----	---	-----	---	-----	------

1" Brush w/1-3/4" Screw Cap, for pipe size 3/4" - 2"

Roller

3020	3" length	24	0	710	14.32
------	-----------	----	---	-----	-------

Fits Paint Type Quart Can (MT-653). For use with pipe sizes 3"

Dauber

DP-75	3/4" for Pint	50	0	710	1.17
DP-125	1-1/4" for Pint	50	0	710	1.41
DQ-125	1-1/4" for Quart	50	0	710	1.41

* 3/4" Diameter fits Pint Cans, for pipe size 3/4"

** 1-1/2" Diameter fits Pint Cans, for pipe size 1-1/2"

***1-1/2" Diameter fits Quart Cans, for pipe size 1-1/2"

Can-Mate Dauber

CM-75	3/4"	50	0	710	4.70
CM-150	1-1/4"	50	0	710	4.70

3/4" Diameter fits Pint or Quart Cans, for pipe sizes 3/4" - 1-1/4"

1-1/4" Diameter fits Pint or Quart Cans, for pipe sizes 1-1/2" - 3"

Deburring Tool

Cone Type for pipe 3/4" - 2"

DEB-2	1/2 to 2 Pipe	1	6	710	87.25
-------	---------------	---	---	-----	-------



FlameGuard® CPVC Fire Sprinkler Products
FlameGuard® CPVC Fire Sprinkler Piping Products

FlameGuard® CPVC Drain & Check Valves For NFPA 13D Applications Only

Application: FlameGuard® CPVC Orange Check Valves and PVC/CPVC True Union Drain Valves are for use in configuring CPVC Fire Sprinkler System connection to water supply (riser/drain assembly) in NFPA 13D installations only. These valves are not UL Listed and NOT for use in any other locations within the fire sprinkler system.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
-------------	------	-----------	-------------	--------------	---------------

True Union Drain Valves

PVC Valve with CPVC End Connector

Socket x Socket



PVC Valve with CPVC End Connector

3622-007FG	3/4	1	18	004	44.68
3622-010FG	1	1	12	004	53.22
Not UL Listed					

CPVC Check Valves

Socket x Socket



S1520-10CO	1	20	0	004	30.51
S1520-12CO	1-1/4	12	0	004	34.10
S1520-15CO	1-1/2	12	0	004	38.34
Not UL Listed					

**CPVC Special Reinforced Thread Inlet Check
Valves**

SR Fipt x Socket



S1520-10FSRSCO	1	20	0	004	33.04
S1520-12FSRSCO	1-1/4	12	0	004	38.15
S1520-15FSRSCO	1-1/2	12	0	004	45.26
Not UL Listed					

General Installation Information: Socket end connections should be installed using Spears® FS-5 One-Step Cement for use with Spears® CPVC Fire Sprinkler Products. Threaded connections should be made using Spears® **BLUE 75™** Thread Sealant tested for compatibility with CPVC materials. PVC True Union Drain Valves are to be installed with system connection to Valve CPVC End Connector. Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down.

FlameGuard® CPVC Fire Sprinkler Products
FlameGuard® CPVC Fire Sprinkler Piping Products

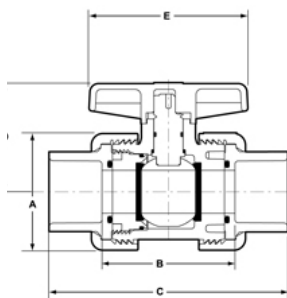


FlameGuard® CPVC Drain & Check Valves For NFPA 13D Applications Only

Specifications

Drain Valve:

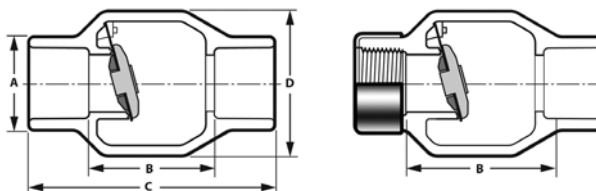
Nominal Size Range	3/4", 1"
Type	1/4-Turn Ball Valve, True Union Style
Material	PVC w/CPVC Orange End Connector
Seats	PTFE/HDPE
Seals	EPDM
Handle	Polypropylene, Red
End Connections	Socket x Socket



Socket x Socket Part Number	Nominal Size	Dimension Reference (inches, ± 1/16)				
		A	B	C	D	E
3622-007FG	3/4	2-1/4	2-3/4	4-3/4	2	3
3622-010FG	1	2-1/2	2-7/8	5-1/8	2-5/16	3-7/16

Check Valve:

Nominal Size Range	1", 1-1/4", 1-1/2"
Type	Swing Check, Maintenance-free Sealed Unit
Material	CPVC, Orange
Seat	EPDM
End Connections	Socket x Socket Special Reinforced (SR) Female Plastic Thread Inlet x Socket



Socket x Socket Part Number	SR Thread x Socket Part Number	Nominal Size	Dimension Reference (inches, ± 1/16)					C _v (GPM)
			A	B		C	D	
				Socket	SR Thread			
S1520-10CO	S1520-10FSRSCO	1	1-11/16	2-5/16	2-15/16	4-9/16	2-5/8	33
S1520-12CO	S1520-12FSRSCO	1-1/4	2-1/16	2-15/16	3-5/8	5-1/2	3-3/8	42
S1520-15CO	S1520-15FSRSCO	1-1/2	2-7/16	3	3-11/16	5-5/8	3-3/8	89



Spears Part Number Index

AB-1	702	BF-BOK-060P	427	BF-EOK-160P	427	BF-VOK-120	427	BFC-VRK-030	395	BFSE-040-1140	425
ABST1M-005	697	BF-BOK-080	427	BF-EOK-180P	427	BF-VOK-120C	427	BFC-VRK-030C	395	BFSE-040-1200	425
ABST1M-010	697	BF-BOK-080C	427	BF-EOK-200P	427	BF-VOK-120P	427	BFC-VRK-040	395	BFSE-040-240	425
ABST1M-020	697	BF-BOK-080P	427	BF-EOK-240P	427	BF-VOK-140P	427	BFC-VRK-040C	395	BFSE-040-300	425
ABST1M-030	697	BF-BOK-100	427	BF-EOKD-015	427	BF-VOK-160P	427	BFC-VRK-060	395	BFSE-040-360	425
ABST1M-040	697	BF-BOK-100C	427	BF-EOKD-015C	427	BF-VOK-180P	427	BFC-VRK-060C	395	BFSE-040-420	425
ABST1Y-005	697	BF-BOK-100P	427	BF-EOKD-015P	427	BF-VOK-200P	427	BFC-VRK-080	395	BFSE-040-480	425
ABST1Y-010	697	BF-BOK-120	427	BF-EOKD-020	427	BF-VOK-240P	427	BFC-VRK-080C	395	BFSE-040-540	425
ABST1Y-020	697	BF-BOK-120C	427	BF-EOKD-020C	427	BF-VOKD-015	427	BFC-VRK-100	395	BFSE-040-600	425
ABST1Y-030	697	BF-BOK-120P	427	BF-EOKD-020P	427	BF-VOKD-015C	427	BFC-VRK-100C	395	BFSE-040-660	425
ABST1Y-040	697	BF-BOKD-015	427	BF-EOKD-025	427	BF-VOKD-015P	427	BFC-VRK-120	395	BFSE-040-720	425
ABST3B-005	697	BF-BOKD-015C	427	BF-EOKD-025C	427	BF-VOKD-020	427	BFC-VRK-120C	395	BFSE-040-780	425
ABST3B-010	697	BF-BOKD-015P	427	BF-EOKD-025P	427	BF-VOKD-020C	427	BFH-015	424	BFSE-040-840	425
ABST3B-020	697	BF-BOKD-020	427	BF-EOKD-030	427	BF-VOKD-020P	427	BFH-020	424	BFSE-040-900	425
ABST3B-030	697	BF-BOKD-020C	427	BF-EOKD-030C	427	BF-VOKD-025	427	BFH-030	424	BFSE-040-960	425
ABST3B-040	697	BF-BOKD-020P	427	BF-EOKD-030P	427	BF-VOKD-025C	427	BFH-040	424	BFSE-060-1020	425
AMB2-005	381	BF-BOKD-025	427	BF-EOKD-040	427	BF-VOKD-025P	427	BFH-060	424	BFSE-060-1080	425
AMB2-007	381	BF-BOKD-025C	427	BF-EOKD-040C	427	BF-VOKD-030	427	BFH-080	424	BFSE-060-1140	425
AMB2-010	381	BF-BOKD-025P	427	BF-EOKD-040P	427	BF-VOKD-030C	427	BFHK-015	422	BFSE-060-1200	425
AMB2-012	382	BF-BOKD-030	427	BF-EOKD-060	427	BF-VOKD-030P	427	BFHK-020	422	BFSE-060-240	425
AMB2-015	382	BF-BOKD-030C	427	BF-EOKD-060C	427	BF-VOKD-040	427	BFHK-030	422	BFSE-060-300	425
AMB2-020	382	BF-BOKD-030P	427	BF-EOKD-060P	427	BF-VOKD-040C	427	BFHK-040	422	BFSE-060-360	425
AMB2-030	382	BF-BOKD-040	427	BF-EOKD-080	427	BF-VOKD-040P	427	BFHK-060	423	BFSE-060-420	425
AMB2-040	382	BF-BOKD-040C	427	BF-EOKD-080C	427	BF-VOKD-060	427	BFHK-080	423	BFSE-060-480	425
AMB2-060	382	BF-BOKD-040P	427	BF-EOKD-080P	427	BF-VOKD-060C	427	BFHK-120	423	BFSE-060-540	425
AMB3-005	381	BF-BOKD-060	427	BF-EOKD-100	427	BF-VOKD-060P	427	BFHK1-015	423	BFSE-060-600	425
AMB3-007	381	BF-BOKD-060C	427	BF-EOKD-100C	427	BF-VOKD-080	427	BFHK1-020	423	BFSE-060-660	425
AMB3-010	381	BF-BOKD-060P	427	BF-EOKD-100P	427	BF-VOKD-080C	427	BFHK1-030	423	BFSE-060-720	425
AMB3-012	382	BF-BOKD-080	427	BF-EOKD-120	427	BF-VOKD-080P	427	BFHK1-040	423	BFSE-060-780	425
AMB3-015	382	BF-BOKD-080C	427	BF-EOKD-120C	427	BF-VOKD-100	427	BFHK1-060	423	BFSE-060-840	425
AMB3-020	382	BF-BOKD-080P	427	BF-EOKD-120P	428	BF-VOKD-100C	427	BFHK1-080	423	BFSE-060-900	425
AMB3-030	382	BF-BOKD-100	427	BF-EOKD-140P	428	BF-VOKD-100P	427	BFHK1-120	423	BFSE-060-960	425
AMB3-040	382	BF-BOKD-100C	427	BF-EOKD-160P	428	BF-VOKD-120	427	BFHK2-015	423	BFSE-080-1020	425
AMB4-005	381	BF-BOKD-100P	427	BF-EOKD-180P	428	BF-VOKD-120C	427	BFHK2-020	423	BFSE-080-1080	425
AMB4-007	381	BF-BOKD-120	427	BF-EOKD-200P	428	BF-VOKD-120P	428	BFHK2-030	423	BFSE-080-1140	425
AMB4-010	381	BF-BOKD-120C	427	BF-EOKD-240P	428	BF-VOKD-140P	428	BFHK2-040	423	BFSE-080-1200	425
AMB4-012	382	BF-BOKD-120P	428	BF-ERK-015	426	BF-VOKD-160P	428	BFHK2-060	423	BFSE-080-240	425
AMB4-015	382	BF-BRK-015	426	BF-ERK-015C	426	BF-VOKD-180P	428	BFHK2-080	423	BFSE-080-300	425
AMB4-020	382	BF-BRK-015C	426	BF-ERK-015P	426	BF-VOKD-200P	428	BFHK2-120	423	BFSE-080-360	425
AMB4-030	382	BF-BRK-015P	426	BF-ERK-020	426	BF-VOKD-240P	428	BFSE-015-1020	425	BFSE-080-420	425
AMB4-040	382	BF-BRK-020	426	BF-ERK-020C	426	BF-VRK-015	426	BFSE-015-1080	425	BFSE-080-480	425
AMB5-005	381	BF-BRK-020C	426	BF-ERK-020P	426	BF-VRK-015C	426	BFSE-015-1140	425	BFSE-080-540	425
AMB5-007	381	BF-BRK-020P	426	BF-ERK-025	426	BF-VRK-015P	426	BFSE-015-1200	425	BFSE-080-600	425
AMB5-010	381	BF-BRK-025	426	BF-ERK-025C	426	BF-VRK-020	426	BFSE-015-240	425	BFSE-080-660	425
AMB5-012	381	BF-BRK-025C	426	BF-ERK-025P	426	BF-VRK-020C	426	BFSE-015-300	425	BFSE-080-720	425
AMB5-015	381	BF-BRK-025P	426	BF-ERK-030	426	BF-VRK-020P	426	BFSE-015-360	425	BFSE-080-780	425
AMB5-020	381	BF-BRK-030	426	BF-ERK-030C	426	BF-VRK-025	426	BFSE-015-420	425	BFSE-080-840	425
AMB5-030	381	BF-BRK-030C	426	BF-ERK-030P	426	BF-VRK-025C	426	BFSE-015-480	425	BFSE-080-900	425
AMB5-040	381	BF-BRK-030P	426	BF-ERK-040	426	BF-VRK-025P	426	BFSE-015-540	425	BFSE-080-960	425
AMB5-060	381	BF-BRK-040	426	BF-ERK-040C	426	BF-VRK-030	426	BFSE-015-600	425	BFSE-100-1020	426
AMB6-005	381	BF-BRK-040C	426	BF-ERK-040P	426	BF-VRK-030C	426	BFSE-015-660	425	BFSE-100-1080	426
AMB6-007	381	BF-BRK-040P	426	BF-ERK-060	426	BF-VRK-030P	426	BFSE-015-720	425	BFSE-100-1140	426
AMB6-010	381	BF-BRK-060	426	BF-ERK-060C	426	BF-VRK-040	426	BFSE-015-780	425	BFSE-100-1200	426
AMB6-012	381	BF-BRK-060C	426	BF-ERK-060P	426	BF-VRK-040C	426	BFSE-015-840	425	BFSE-100-240	425
AMB6-015	381	BF-BRK-060P	426	BF-ERK-080	426	BF-VRK-040P	426	BFSE-015-900	425	BFSE-100-300	426
AMB6-020	381	BF-BRK-080	426	BF-ERK-080C	426	BF-VRK-060	426	BFSE-015-960	425	BFSE-100-360	426
AMB6-030	381	BF-BRK-080C	426	BF-ERK-080P	426	BF-VRK-060C	426	BFSE-020-1020	425	BFSE-100-420	426
AMB6-040	381	BF-BRK-080P	426	BF-ERK-100	426	BF-VRK-060P	426	BFSE-020-1080	425	BFSE-100-480	426
AP-100	58, 104	BF-BRK-100	426	BF-ERK-100C	426	BF-VRK-080	426	BFSE-020-1140	425	BFSE-100-540	426
AP-101	57, 103	BF-BRK-100C	426	BF-ERK-100P	426	BF-VRK-080C	426	BFSE-020-1200	425	BFSE-100-600	426
AP-101B	57, 103	BF-BRK-100P	426	BF-ERK-120	426	BF-VRK-080P	426	BFSE-020-240	425	BFSE-100-660	426
AP-105	57, 103	BF-BRK-120	426	BF-ERK-120C	426	BF-VRK-100	426	BFSE-020-300	425	BFSE-100-720	426
AP-106	57, 103	BF-BRK-120C	426	BF-ERK-120P	426	BF-VRK-100C	426	BFSE-020-360	425	BFSE-100-780	426
AP-109	57, 103	BF-BRK-120P	426	BF-ERK-140P	426	BF-VRK-100P	426	BFSE-020-420	425	BFSE-100-840	426
AP-110	57, 103	BF-EOK-015	427	BF-ERK-160P	426	BF-VRK-120	426	BFSE-020-480	425	BFSE-100-900	426
AP-112	57, 103	BF-EOK-015C	427	BF-ERK-180P	426	BF-VRK-120C	426	BFSE-020-540	425	BFSE-100-960	426
B-113	69, 99	BF-EOK-015P	427	BF-ERK-200P	426	BF-VRK-120P	426	BFSE-020-600	425	BFSE-120-1020	426
B-115	69, 99	BF-EOK-020	427	BF-ERK-240P	426	BF-VRK-140P	426	BFSE-020-660	425	BFSE-120-1080	426
B-116	710	BF-EOK-020C	427	BF-VOK-015	427	BF-VRK-160P	426	BFSE-020-720	425	BFSE-120-1140	426
B-120	69, 99	BF-EOK-020P	427	BF-VOK-015C	427	BF-VRK-180P	426	BFSE-020-780	425	BFSE-120-1200	426
B-242	51, 109	BF-EOK-025	427	BF-VOK-015P	427	BF-VRK-200P	426	BFSE-020-840	425	BFSE-120-240	426
	490	BF-EOK-025C	427	BF-VOK-020	427	BF-VRK-240P	426	BFSE-020-900	425	BFSE-120-300	426
B-335-60	51, 109	BF-EOK-025P	427	BF-VOK-020C	427	BFC-ERK-020	395	BFSE-020-960	425	BFSE-120-360	426
	490	BF-EOK-030	427	BF-VOK-020P	427	BFC-ERK-020C	395	BFSE-030-1020	425	BFSE-120-420	426
BC-1	424	BF-EOK-030C	427	BF-VOK-025	427	BFC-ERK-025	395	BFSE-030-1080	425	BFSE-120-480	426
BF-BOK-015	427	BF-EOK-030P	427	BF-VOK-025C	427	BFC-ERK-025C	395	BFSE-030-1140	425	BFSE-120-540	426
BF-BOK-015C	427	BF-EOK-040	427	BF-VOK-025P	427	BFC-ERK-030	395	BFSE-030-1200	425	BFSE-120-600	426
BF-BOK-015P	427	BF-EOK-040C	427	BF-VOK-030	427	BFC-ERK-030C	395	BFSE-030-240	425	BFSE-120-720	426
BF-BOK-020	427	BF-EOK-040P	427	BF-VOK-030C	427	BFC-ERK-040	395	BFSE-030-300	425	BFSE-120-780	426
BF-BOK-020C	427	BF-EOK-060	427	BF-VOK-030P	427	BFC-ERK-040C	395	BFSE-030-360	425	BFSE-120-840	426
BF-BOK-020P	427	BF-EOK-060C	427	BF-VOK-040	427	BFC-ERK-060	395	BFSE-030-420	425	BFSE-120-900	426
BF-BOK-025	427	BF-EOK-060P	427	BF-VOK-040C	427	BFC-ERK-060C	395	BFSE-030-480	425	BFSE-120-960	426
BF-BOK-025C	427	BF-EOK-080	427	BF-VOK-040P	427	BFC-ERK-080	395	BFSE-030-540	425	BFT-BOK-015	428
BF-BOK-025P	427	BF-EOK-080C	427	BF-VOK-060	427	BFC-ERK-080C	395	BFSE-030-600	425	BFT-BOK-015C	428
BF-BOK-030	427	BF-EOK-080P	427	BF-VOK-060C	427	BFC-ERK-100	395	BFSE-030-660	425	BFT-BOK-020	428
BF-BOK-030C	427	BF-EOK-100	427	BF-VOK-060P	427	BFC-ERK-100C	395	BFSE-030-720	425	BFT-BOK-020C	428
BF-BOK-030P	427	BF-EOK-100C	427	BF-VOK-080	427	BFC-ERK-120	395	BFSE-030-780	425	BFT-BOK-025	428
BF-BOK-040	427	BF-EOK-100P	427	BF-VOK-080C	427	BFC-ERK-120C	395	BFSE-030-840	425	BFT-BOK-025C	428
BF-BOK-040C	427	BF-EOK-120	427	BF-VOK-080P	427	BFC-VRK-020	395	BFSE-030-900	425	BFT-BOK-030	428
BF-BOK-040P	427	BF-EOK-120C	427	BF-VOK-100	427	BFC-VRK-020C	395	BFSE-030-960	425	BFT-BOK-030C	428
BF-BOK-060	427	BF-EOK-120P	427	BF-VOK-100C	427	BFC-VRK-025	395	BFSE-040-1020	425	BFT-BOK-040	428
BF-BOK-060C	427	BF-EOK-140P	427	BF-VOK-100P	427	BFC-VRK-025C	395	BFSE-040-1080	425	BFT-BOK-040C	428

Spears Part Number Index



BFT-BOK-060	428	BFT-VOKD-080	429	BS22P6-015	250, 504	BS27C6-020C	325, 506	BS32S6-060C	324, 505	BS37S6-012C	325, 506
BFT-BOK-060C	428	BFT-VOKD-080C	429	BS22P6-020	250, 504	BS27C6-025C	325, 506	BS32S6-080	250, 504	BS37S6-015	251, 505
BFT-BOK-080	428	BFT-VOKD-100	429	BS22P6-025	250, 504	BS27C6-030C	325, 506	BS32S6-080C	324, 505	BS37S6-015C	325, 506
BFT-BOK-080C	428	BFT-VOKD-100C	429	BS22P6-030	250, 504	BS27C6-040C	325, 506	BS32S6-100	250, 504	BS37S6-020	251, 505
BFT-BOK-100	428	BFT-VOKD-120	429	BS22P6-040	250, 504	BS27C6-060C	325, 506	BS32S6-100C	324, 505	BS37S6-020C	325, 506
BFT-BOK-100C	428	BFT-VOKD-120C	429	BS22P6-060	250, 504	BS27C6-080C	325, 506	BS32S6-120	250, 504	BS37S6-025	251, 505
BFT-BOK-120	428	BFTH-020	424	BS22P6-080	250, 504	BS27C6-100C	325, 506	BS32S6-120C	324, 505	BS37S6-025C	325, 506
BFT-BOK-120C	428	BFTH-030	424	BS22P6-100	250, 504	BS27C6-120C	325, 506	BS33C6-005C	324, 506	BS37S6-030	251, 505
BFT-BOKD-015	428	BFTH-040	424	BS22P6-120	250, 504	BS27P6-005	251, 505	BS33C6-007C	324, 506	BS37S6-030C	325, 506
BFT-BOKD-015C	429	BFW-BOK-020	428	BS22S6-005	250, 504	BS27P6-007	251, 505	BS33C6-010C	324, 506	BS37S6-040	251, 505
BFT-BOKD-020	428	BFW-BOK-025	428	BS22S6-005C	324, 505	BS27P6-010	251, 505	BS33C6-012C	324, 506	BS37S6-040C	325, 506
BFT-BOKD-020C	428	BFW-BOK-030	428	BS22S6-007	250, 504	BS27P6-012	251, 505	BS33C6-015C	324, 506	BS37S6-060	251, 505
BFT-BOKD-025	428	BFW-BOK-040	428	BS22S6-007C	324, 505	BS27P6-015	251, 505	BS33C6-020C	324, 506	BS37S6-060C	325, 506
BFT-BOKD-025C	429	BFW-BOK-060	428	BS22S6-010	250, 504	BS27P6-020	251, 505	BS33C6-025C	324, 506	BS37S6-080	251, 505
BFT-BOKD-030	428	BFW-BOK-080	428	BS22S6-010C	324, 505	BS27P6-025	251, 505	BS33C6-030C	325, 506	BS37S6-080C	325, 506
BFT-BOKD-030C	429	BFW-BOKD-020	428	BS22S6-012	250, 504	BS27P6-030	251, 505	BS33C6-040C	325, 506	BS37S6-100	251, 505
BFT-BOKD-040	428	BFW-BOKD-025	428	BS22S6-012C	324, 505	BS27P6-040	251, 505	BS33C6-060C	325, 506	BS37S6-100C	325, 506
BFT-BOKD-040C	429	BFW-BOKD-030	428	BS22S6-015	250, 504	BS27P6-060	251, 505	BS33C6-080C	325, 506	BS37S6-120	251, 505
BFT-BOKD-060	428	BFW-BOKD-040	428	BS22S6-015C	324, 505	BS27P6-080	251, 505	BS33C6-100C	325, 506	BS37S6-120C	325, 506
BFT-BOKD-060C	429	BFW-BOKD-060	428	BS22S6-020	250, 504	BS27P6-100	251, 505	BS33C6-120C	325, 506	BVSE-005-000	379
BFT-BOKD-080	428	BFW-BOKD-080	428	BS22S6-020C	324, 505	BS27P6-120	251, 505	BS33P6-005	250, 504	BVSE-007-000	379
BFT-BOKD-080C	429	BFW-BRK-020	426	BS22S6-025	250, 504	BS27S6-005	251, 505	BS33P6-007	250, 504	BVSE-010-000	379
BFT-BOKD-100	429	BFW-BRK-025	426	BS22S6-025C	324, 505	BS27S6-005C	325, 506	BS33P6-010	250, 504	BVSE-012-000	379
BFT-BOKD-100C	429	BFW-BRK-030	426	BS22S6-030	250, 504	BS27S6-007	251, 505	BS33P6-012	250, 504	BVSE-015-000	379
BFT-BOKD-120	429	BFW-BRK-040	426	BS22S6-030C	324, 505	BS27S6-007C	325, 506	BS33P6-015	250, 504	BVSE-020-000	379
BFT-BOKD-120C	429	BFW-BRK-060	426	BS22S6-040	250, 504	BS27S6-010	251, 505	BS33P6-020	250, 504	BVSE-030-000	379
BFT-EOK-015	428	BFW-BRK-080	426	BS22S6-040C	324, 505	BS27S6-010C	325, 506	BS33P6-025	251, 504	BVSE-040-000	379
BFT-EOK-015C	428	BFW-EOK-020	428	BS22S6-060	250, 504	BS27S6-012	251, 505	BS33P6-030	251, 505	BVSE2-005-000	379
BFT-EOK-020	428	BFW-EOK-025	428	BS22S6-060C	324, 505	BS27S6-012C	325, 506	BS33P6-040	251, 505	BVSE2-007-000	379
BFT-EOK-020C	428	BFW-EOK-030	428	BS22S6-080	250, 504	BS27S6-015	251, 505	BS33P6-060	251, 505	BVSE2-010-000	379
BFT-EOK-025	428	BFW-EOK-040	428	BS22S6-080C	324, 505	BS27S6-015C	325, 506	BS33P6-080	251, 505	BVSE2-012-000	379
BFT-EOK-025C	428	BFW-EOK-060	428	BS22S6-100	250, 504	BS27S6-020	251, 505	BS33P6-100	251, 505	BVSE2-015-000	379
BFT-EOK-030	428	BFW-EOK-080	428	BS22S6-100C	324, 505	BS27S6-020C	325, 506	BS33P6-120	251, 505	BVSE2-020-000	379
BFT-EOK-030C	428	BFW-EOKD-020	428	BS22S6-120	250, 504	BS27S6-025	251, 505	BS33S6-005	250, 504	BVSE2-030-000	379
BFT-EOK-040	428	BFW-EOKD-020C	428	BS22S6-120C	324, 505	BS27S6-025C	325, 506	BS33S6-005C	324, 506	BVSE2-040-000	379
BFT-EOK-040C	428	BFW-EOKD-025	428	BS23C6-005C	324, 506	BS27S6-030	251, 505	BS33S6-007	250, 504	BVSE2-060-000	379
BFT-EOK-060	428	BFW-EOKD-025C	428	BS23C6-007C	324, 506	BS27S6-030C	325, 506	BS33S6-007C	324, 506	C-44	57, 103
BFT-EOK-060C	428	BFW-EOKD-030	428	BS23C6-010C	324, 506	BS27S6-040	251, 505	BS33S6-010	250, 504	C-55	57, 103
BFT-EOK-080	428	BFW-EOKD-030C	428	BS23C6-012C	324, 506	BS27S6-040C	325, 506	BS33S6-010C	324, 506	C-66	57, 103
BFT-EOK-080C	428	BFW-EOKD-040	428	BS23C6-015C	324, 506	BS27S6-060	251, 505	BS33S6-012	250, 504	CCW-000	47, 81
BFT-EOK-100	428	BFW-EOKD-040C	428	BS23C6-020C	324, 506	BS27S6-060C	325, 506	BS33S6-012C	324, 506		
BFT-EOK-100C	428	BFW-EOKD-060	428	BS23C6-025C	324, 506	BS27S6-080	251, 505	BS33S6-015	250, 504	CCW-005	47, 81
BFT-EOK-120	428	BFW-EOKD-060C	428	BS23C6-030C	325, 506	BS27S6-080C	325, 506	BS33S6-015C	324, 506		
BFT-EOK-120C	428	BFW-EOKD-080	428	BS23C6-040C	325, 506	BS27S6-100	251, 505	BS33S6-020	250, 504	CCW-007	47, 81
BFT-EOKD-015	428	BFW-EOKD-080C	428	BS23C6-060C	325, 506	BS27S6-100C	325, 506	BS33S6-020C	324, 506		
BFT-EOKD-015C	429	BFW-ERK-020	426	BS23C6-080C	325, 506	BS27S6-120	251, 505	BS33S6-025	251, 504	CCW-010	47, 81
BFT-EOKD-020	428	BFW-ERK-025	426	BS23C6-100C	325, 506	BS27S6-120C	325, 506	BS33S6-025C	324, 506		
BFT-EOKD-020C	429	BFW-ERK-030	426	BS23C6-120C	325, 506	BS27S6-120C	325, 506	BS33S6-030	251, 505	CCW-012	47, 81
BFT-EOKD-025	428	BFW-ERK-040	426	BS23P6-005	250, 504	BS32C6-005C	324, 505	BS33S6-030C	325, 506		
BFT-EOKD-025C	429	BFW-ERK-060	426	BS23P6-007	250, 504	BS32C6-010C	324, 505	BS33S6-040	251, 505	CCW-015	207, 399
BFT-EOKD-030	428	BFW-ERK-080	426	BS23P6-010	250, 504	BS32C6-012C	324, 505	BS33S6-040C	325, 506		
BFT-EOKD-030C	428	BFW-VOK-020	428	BS23P6-012	250, 504	BS32C6-015C	324, 505	BS33S6-060	251, 505	CCW-020	47, 81
BFT-EOKD-040	428	BFW-VOK-025	428	BS23P6-015	250, 504	BS32C6-020C	324, 505	BS33S6-060C	325, 506		
BFT-EOKD-040C	429	BFW-VOK-030	428	BS23P6-020	250, 504	BS32C6-025C	324, 505	BS33S6-080	251, 505	CCW-030	47, 81
BFT-EOKD-060	428	BFW-VOK-040	428	BS23P6-025	251, 504	BS32C6-030C	324, 505	BS33S6-080C	325, 506		
BFT-EOKD-060C	429	BFW-VOK-060	428	BS23P6-030	251, 505	BS32C6-040C	324, 505	BS33S6-100	251, 505	CCW-060	47, 207
BFT-EOKD-080	429	BFW-VOK-080	428	BS23P6-040	251, 505	BS32C6-060C	324, 505	BS33S6-100C	325, 506	CK-ERK-005	383
BFT-EOKD-080C	429	BFW-VOKD-020	428	BS23P6-060	251, 505	BS32C6-080C	324, 505	BS33S6-120	251, 505	CK-ERK-007	383
BFT-EOKD-100	429	BFW-VOKD-020C	428	BS23P6-080	251, 505	BS32C6-100C	324, 505	BS33S6-120C	325, 506	CK-ERK-010	383
BFT-EOKD-100C	429	BFW-VOKD-025	428	BS23P6-100	251, 505	BS32C6-120C	324, 505	BS37C6-005C	325, 506	CK-ERK-012	383
BFT-EOKD-120	429	BFW-VOKD-025C	428	BS23P6-120	251, 505	BS32P6-005	250, 504	BS37C6-007C	325, 506	CK-ERK-015	383
BFT-EOKD-120C	429	BFW-VOKD-030	428	BS23S6-005	250, 504	BS32P6-007	250, 504	BS37C6-010C	325, 506	CK-ERK-020	383
BFT-VOK-015	428	BFW-VOKD-030C	428	BS23S6-005C	324, 506	BS32P6-010	250, 504	BS37C6-012C	325, 506	CK-ERK-030	383
BFT-VOK-015C	428	BFW-VOKD-040	428	BS23S6-007	250, 504	BS32P6-012	250, 504	BS37C6-015C	325, 506	CK-ERK-040	383
BFT-VOK-020	428	BFW-VOKD-040C	428	BS23S6-007C	324, 506	BS32P6-015	250, 504	BS37C6-020C	325, 506	CK-VRK-005	383
BFT-VOK-020C	428	BFW-VOKD-060	428	BS23S6-010	250, 504	BS32P6-020	250, 504	BS37C6-025C	325, 506	CK-VRK-007	383
BFT-VOK-025	428	BFW-VOKD-060C	428	BS23S6-010C	324, 506	BS32P6-025	250, 504	BS37C6-030C	325, 506	CK-VRK-010	383
BFT-VOK-025C	428	BFW-VOKD-080	428	BS23S6-012	250, 504	BS32P6-030	250, 504	BS37C6-040C	325, 506	CK-VRK-012	383
BFT-VOK-030	428	BFW-VOKD-080C	428	BS23S6-012C	324, 506	BS32P6-040	250, 504	BS37C6-060C	325, 506	CK-VRK-015	383
BFT-VOK-030C	428	BFW-VRK-020	426	BS23S6-015	250, 504	BS32P6-060	250, 504	BS37C6-080C	325, 506	CK-VRK-020	383
BFT-VOK-040	428	BFW-VRK-025	426	BS23S6-015C	324, 506	BS32P6-080	250, 504	BS37C6-100C	325, 506	CK-VRK-030	383
BFT-VOK-040C	428	BFW-VRK-030	426	BS23S6-020	250, 504	BS32P6-100	250, 504	BS37C6-120C	325, 506	CK-VRK-040	383
BFT-VOK-060	428	BFW-VRK-040	426	BS23S6-020C	324, 506	BS32P6-120	250, 504	BS37P6-005	251, 505	CK2-ERK-005	383
BFT-VOK-060C	428	BFW-VRK-060	426	BS23S6-025	251, 504	BS32S6-005	250, 504	BS37P6-007	251, 505	CK2-ERK-007	383
BFT-VOK-080	428	BFW-VRK-080	426	BS23S6-025C	324, 506	BS32S6-005C	324, 505	BS37P6-010	251, 505	CK2-ERK-010	383
BFT-VOK-080C	428	BS22C6-005C	324, 505	BS23S6-030	325, 506	BS32S6-007	250, 504	BS37P6-012	251, 505	CK2-ERK-012	383
BFT-VOK-100	428	BS22C6-007C	324, 505	BS23S6-030C	325, 506	BS32S6-007C	324, 505	BS37P6-015	251, 505	CK2-ERK-015	383
BFT-VOK-100C	428	BS22C6-010C	324, 505	BS23S6-040	251, 505	BS32S6-010	250, 504	BS37P6-020	251, 505	CK2-ERK-020	383
BFT-VOK-120	428	BS22C6-012C	324, 505	BS23S6-040C	325, 506	BS32S6-010C	324, 505	BS37P6-025	251, 505	CK2-ERK-030	383
BFT-VOK-120C	428	BS22C6-015C	324, 505	BS23S6-060	251, 505	BS32S6-012	250, 504	BS37P6-030	251, 505	CK2-ERK-040	383
BFT-VOKD-015	428	BS22C6-020C	324, 505	BS23S6-060C	325, 506	BS3					



Spears Part Number Index

CLEAN65-010	4, 169	DCAT-B010-A030	593	DCCT-H020-A040	600	DCTM-A005-G020	598	DC01-B005-G020	585	DC06-B040-B080	587
	255, 700	DCAT-B010-B030	593	DCCT-H020-B040	600	DCTM-A007-A030	598	DC01-B007-A030	585	DC06-B040-G080	587
CLEAN65-020	4, 169	DCAT-B010-G030	593	DCCT-H020-C040	600	DCTM-A007-G030	598	DC01-B007-B030	585	DC06-B060-A100	587
	255, 700	DCAT-B015-A040	593	DCCT-H020-G040	600	DCTM-A010-A030	598	DC01-B007-G030	585	DC06-B060-B100	587
CLEAN65-030	4, 169	DCAT-B015-B040	593	DCCT-H030-A060	600	DCTM-A010-G030	598	DC01-B010-A030	585	DC06-B080-A120	587
	255, 700	DCAT-B015-G040	593	DCCT-H030-B060	600	DCTM-A015-A040	598	DC01-B010-B030	585	DC06-B080-B120	587
CLEAN65-040	4, 169	DCAT-B020-A040	593	DCCT-H030-C060	600	DCTM-A015-G040	598	DC01-B010-G030	585	DC06-C005-A020	587
	255, 700	DCAT-B020-B040	593	DCCT-H030-G060	600	DCTM-A020-A040	598	DC01-B015-A040	585	DC06-C005-B020	587
CM-KIT	701	DCAT-B020-G040	593	DCCT-H040-A080	600	DCTM-A020-G040	598	DC01-B015-B040	585	DC06-C005-C020	587
CM-150	542, 546	DCAT-B030-A060	593	DCCT-H040-B080	600	DCTM-A030-A060	598	DC01-B015-G040	585	DC06-C005-G020	587
	558, 701	DCAT-B030-B060	593	DCCT-H040-C080	600	DCTM-A030-G060	598	DC01-B020-A040	585	DC06-C007-A030	587
	711	DCAT-B030-G060	593	DCCT-H040-G080	600	DCTM-A040-A080	598	DC01-B020-B040	585	DC06-C007-B030	587
CM-50	542, 701	DCAT-B040-A080	593	DCCT-H060-A100	600	DCTM-A040-G080	598	DC01-B020-G040	585	DC06-C007-C030	587
CM-75	542, 546	DCAT-B040-B080	593	DCCT-H060-B100	600	DCTM-A060-A100	598	DC01-B030-A060	585	DC06-C007-G030	587
	558, 701	DCAT-B040-G080	593	DCCT-H060-C100	600	DCTM-A080-A120	598	DC01-B030-B060	585	DC06-C010-A030	587
	711	DCAT-B060-A100	593	DCCT-H080-A120	600	DCTM-B005-A020	598	DC01-B030-G060	585	DC06-C010-B030	587
CO-020	424	DCAT-B060-B100	593	DCCT-H080-B120	600	DCTM-B005-B020	598	DC01-B040-A080	585	DC06-C010-C030	587
CO-025	424	DCAT-B080-A120	593	DCCT-H080-C120	600	DCTM-B005-G020	598	DC01-B040-B080	585	DC06-C010-G030	587
CO-030	424	DCAT-B080-B120	593	DCDB-A005-A020	596	DCTM-B007-A030	598	DC01-B040-G080	585	DC06-C015-A040	587
CO-040	424	DCAT-C005-B020	593	DCDB-A005-G020	596	DCTM-B007-B030	598	DC01-B060-A100	585	DC06-C015-B040	587
CO-060	424	DCAT-C005-C020	593	DCDB-A007-A030	596	DCTM-B007-G030	598	DC01-B060-B100	585	DC06-C015-C040	587
CO-080	424	DCAT-C005-G020	593	DCDB-A007-G030	596	DCTM-B010-A030	598	DC01-B080-A120	585	DC06-C015-G040	587
CO-100	424	DCAT-C007-A030	593	DCDB-A010-A030	596	DCTM-B010-B030	598	DC01-B080-B120	585	DC06-C020-A040	587
CO-120	424	DCAT-C007-B030	593	DCDB-A010-G030	596	DCTM-B010-G030	598	DC01-C005-A020	585	DC06-C020-B040	587
CP-007	690, 707	DCAT-C007-C030	593	DCDB-A015-A040	596	DCTM-B015-A040	598	DC01-C005-B020	585	DC06-C020-C040	587
CP-007-10	690, 707	DCAT-C007-G030	593	DCDB-A015-G040	596	DCTM-B015-B040	598	DC01-C005-C020	585	DC06-C020-G040	588
CP-010	690, 707	DCAT-C010-A040	593	DCDB-A020-A040	596	DCTM-B015-G040	598	DC01-C005-G020	585	DC06-C030-A060	587
CP-010-10	690, 707	DCAT-C010-B030	593	DCDB-A020-G040	596	DCTM-B020-A040	598	DC01-C007-A030	585	DC06-C030-B060	587
CP-012	690, 707	DCAT-C010-C030	593	DCDB-A030-A060	596	DCTM-B020-B040	598	DC01-C007-B030	585	DC06-C030-C060	587
CP-012-10	690, 707	DCAT-C010-G030	593	DCDB-A030-G060	596	DCTM-B020-G040	598	DC01-C007-C030	585	DC06-C030-G060	588
CP-015	690, 707	DCAT-C015-A040	593	DCDB-A040-A080	596	DCTM-B030-A060	598	DC01-C007-G030	585	DC06-C040-A080	587
CP-015-10	690, 707	DCAT-C015-B040	593	DCDB-A040-G080	596	DCTM-B030-B060	598	DC01-C010-A030	585	DC06-C040-B080	587
CP-020	690, 707	DCAT-C015-C040	593	DCDB-A060-A100	596	DCTM-B030-G060	598	DC01-C010-B030	585	DC06-C040-C080	587
CP-020-10	690, 707	DCAT-C015-G040	594	DCDB-A080-A120	596	DCTM-B040-A080	598	DC01-C010-C030	585	DC06-C040-G080	588
CP-025	690, 707	DCAT-C020-A040	593	DCDB-B005-A020	596	DCTM-B040-B080	598	DC01-C010-G030	585	DC06-C060-A100	587
CP-025-10	690, 707	DCAT-C020-B040	593	DCDB-B005-B020	596	DCTM-B040-G080	598	DC01-C015-A040	585	DC06-C060-B100	587
CP-030	690, 707	DCAT-C020-C040	593	DCDB-B005-G020	596	DCTM-B060-A100	598	DC01-C015-B040	585	DC06-C060-C100	587
CP-030-10	690, 707	DCAT-C020-G040	594	DCDB-B007-A030	596	DCTM-B060-B100	598	DC01-C015-C040	585	DC06-C080-A120	587
CPVC24G-020	168, 254	DCAT-C030-A060	593	DCDB-B007-B030	596	DCTM-B080-A120	598	DC01-C015-G040	585	DC06-C080-B120	587
	696	DCAT-C030-B060	593	DCDB-B010-A030	596	DCTM-B080-B120	598	DC01-C020-A040	585	DC06-C080-C120	587
CPVC24G-030	168, 254	DCAT-C030-C060	593	DCDB-B010-B030	596	DCTM-C005-A020	598	DC01-C020-B040	585	DC17-A005-A020	589
	696	DCAT-C030-G060	594	DCDB-B010-G030	596	DCTM-C005-B020	598	DC01-C020-C040	585	DC17-A005-G020	589
CPVC24G-040	168, 254	DCAT-C040-A080	593	DCDB-B015-A040	596	DCTM-C005-C020	598	DC01-C020-G040	586	DC17-A007-A030	589
	696	DCAT-C040-B080	593	DCDB-B015-B040	596	DCTM-C005-G020	598	DC01-C030-A060	585	DC17-A007-G030	589
CPVC24Q-020	168, 254	DCAT-C040-C080	593	DCDB-B015-G040	596	DCTM-C007-A030	598	DC01-C030-B060	585	DC17-A010-A030	589
	696	DCAT-C040-G080	594	DCDB-B020-A040	596	DCTM-C007-B030	598	DC01-C030-C060	585	DC17-A010-B030	589
CPVC24Q-030	168, 254	DCAT-C060-A100	593	DCDB-B020-B040	596	DCTM-C007-C030	598	DC01-C030-G060	586	DC17-A015-A040	589
	696	DCAT-C060-B100	593	DCDB-B020-G040	596	DCTM-C007-G030	598	DC01-C040-A080	585	DC17-A015-G040	589
CPVC24Q-040	168, 254	DCAT-C060-C100	593	DCDB-B030-A060	596	DCTM-C010-A030	598	DC01-C040-B080	585	DC17-A020-A040	589
	696	DCAT-C080-A120	593	DCDB-B030-B060	596	DCTM-C010-B030	598	DC01-C040-C080	585	DC17-A020-G040	589
CTS-005	541, 687	DCAT-C080-B120	593	DCDB-B030-G060	596	DCTM-C010-C030	598	DC01-C040-G080	586	DC17-A030-A060	589
CTS-005-100	541, 687	DCAT-C080-C120	593	DCDB-B040-A080	596	DCTM-C010-G030	598	DC01-C060-A100	585	DC17-A030-G060	589
CTS-005-20	541, 687	DCCF-A030	595	DCDB-B040-B080	596	DCTM-C015-A040	598	DC01-C060-B100	585	DC17-A040-A080	589
CTS-007	541, 687	DCCF-A040	595	DCDB-B040-G080	596	DCTM-C015-B040	598	DC01-C060-C100	585	DC17-A040-G080	589
CTS-007-100	541, 687	DCCF-A060	595	DCDB-B060-A100	596	DCTM-C015-C040	598	DC01-C080-A120	585	DC17-A060-A100	589
CTS-007-20	541, 687	DCCF-A080	595	DCDB-B060-B100	596	DCTM-C015-G040	598	DC01-C080-B120	585	DC17-A080-A120	589
CTS-010	541, 687	DCCF-A100	595	DCDB-B080-A120	596	DCTM-C020-A040	598	DC01-C080-C120	585	DC17-B005-A020	589
CTS-010-100	541, 687	DCCF-A120	595	DCDB-B080-B120	596	DCTM-C020-B040	598	DC06-A005-A020	587	DC17-B005-B020	589
CTS-010-20	541, 687	DCCF-B020	595	DCDB-C005-A020	596	DCTM-C020-C040	599	DC06-A005-G020	587	DC17-B005-G020	589
CTS-012	541, 687	DCCF-B030	595	DCDB-C005-B020	596	DCTM-C020-G040	598	DC06-A007-A030	587	DC17-B007-A030	589
CTS-012-20	541, 687	DCCF-B040	595	DCDB-C005-C020	596	DCTM-C030-A060	598	DC06-A007-G030	587	DC17-B007-B030	589
CTS-015	541, 687	DCCF-B060	595	DCDB-C005-G020	596	DCTM-C030-B060	598	DC06-A010-A030	587	DC17-B007-G030	589
CTS-015-20	541, 687	DCCF-B080	595	DCDB-C007-A030	596	DCTM-C030-C060	599	DC06-A010-G030	587	DC17-B010-A030	589
CTS-020	541, 687	DCCF-B100	595	DCDB-C007-B030	596	DCTM-C030-G060	598	DC06-A015-A040	587	DC17-B010-B030	589
CTS-020-20	541, 687	DCCF-B120	595	DCDB-C007-C030	596	DCTM-C040-A080	598	DC06-A015-G040	587	DC17-B010-G030	589
CTS5-005	541, 696	DCCF-C020	595	DCDB-C007-G030	596	DCTM-C040-B080	598	DC06-A020-A040	587	DC17-B015-A040	589
CTS5-010	541, 696	DCCF-C030	595	DCDB-C010-A030	596	DCTM-C040-C080	599	DC06-A020-G040	587	DC17-B015-B040	589
CTS5-020	541, 696	DCCF-C040	595	DCDB-C010-B030	596	DCTM-C040-G080	598	DC06-A030-A060	587	DC17-B015-G040	589
CTS5-030	541, 696	DCCF-C060	595	DCDB-C010-C030	596	DCTM-C060-A100	598	DC06-A030-G060	587	DC17-B020-A040	589
CTS5-040	696	DCCF-C080	595	DCDB-C010-G030	596	DCTM-C060-B100	598	DC06-A040-A080	587	DC17-B020-B040	589
DCAT-A005-A020	593	DCCF-C100	595	DCDB-C015-A040	596	DCTM-C060-C100	599	DC06-A040-G080	587	DC17-B020-G040	589
DCAT-A005-G020	593	DCCF-C120	595	DCDB-C015-B040	596	DCTM-C080-A120	598	DC06-A060-A100	587	DC17-B030-A060	589
DCAT-A007-A030	593	DCCF-G030	595	DCDB-C015-C040	596	DCTM-C080-B120	598	DC06-A080-A120	587	DC17-B030-B060	589
DCAT-A007-G030	593	DCCF-G040	595	DCDB-C015-G040	597	DCTM-C080-C120	599	DC06-B005-A020	587	DC17-B030-G060	589
DCAT-A010-A030	593	DCCF-G060	595	DCDB-C020-A040	596	DC01-A005-A020	585	DC06-B005-B020	587	DC17-B040-A080	589
DCAT-A010-G030	593	DCCF-G080	595	DCDB-C020-B040	596	DC01-A005-G020	585	DC06-B005-G020	587	DC17-B040-B080	589
DCAT-A015-A040	593	DCCT-H005-A020	600	DCDB-C020-C040	596	DC01-A007-A030	585	DC06-B007-A030	587	DC17-B040-G080	589
DCAT-A015-G040	593	DCCT-H005-B020	600	DCDB-C020-G040	597	DC01-A007-G030	585	DC06-B007-B030	587	DC17-B060-A100	589
DCAT-A020-A040	593	DCCT-H005-C020	600	DCDB-C030-A060	596	DC01-A010-A030	585	DC06-B007-G030	587	DC17-B060-B100	589
DCAT-A020-G040	593	DCCT-H005-G020	600	DCDB-C030-B060	596	DC01-A010-G030	585	DC06-B010-A030	587	DC17-B080-A120	589
DCAT-A030-A060	593	DCCT-H007-A030	600	DCDB-C030-C060	596	DC01-A015-A040	585	DC06-B010-B030	587	DC17-B080-B120	589
DCAT-A030-G060	593	DCCT-H007-B020	600	DCDB-C030-G060	597	DC01-A015-G040	585	DC06-B010-G030	587	DC17-C005-A020	589
DCAT-A040-A080	593	DCCT-H007-C030	600	DCDB-C040-A080	596	DC01-A015-A040	585	DC06-B015-A040	587	DC17-C005-B020	589
DCAT-A040-G080	593	DCCT-H007-G020	600	DCDB-C040-B080	596	DC01-A020-G040	585	DC06-B015-B040	587	DC17-C005-C020	589
DCAT-A060-A100	593	DCCT-H010-A030	600	DCDB-C040-C080	596	DC01-A030-A060	585	DC06-B015-G040	587	DC17-C005-G020	589
DCAT-A080-A120	593	DCCT-H010-B030	600	DCDB-C060-A100	596	DC01-A030-G060	585	DC06-B020-A040	587	DC17-C007-A030	589
DCAT-B005-A020	593	DCCT-H010-C030	600	DCDB-C060-B100	596	DC01-A040-A0					

Spears Part Number Index



DC17-C010-G030	589	DC29-C060-A100	591	ECSP2-025	377	ECS3-015	377	ES-553	106	E1463-007CSR	453
DC17-C015-A040	589	DC29-C060-B100	591	ECSP2-025C	378	ECS3-015C	377	ES-554	106	E1463-007SR	453
DC17-C015-B040	589	DC29-C060-C100	591	ECSP2-030	377	ECSP2-030	377	ES-653	106	E1463-010CSR	453
DC17-C015-C040	589	DC29-C080-A120	591	ECSP2-030C	378	ECS3-020C	377	ES-654	60, 106	E1463-010SR	453
DC17-C015-G040	589	DC29-C080-B120	591	ECSP2-040	377	ECS3-025	377	ES-663	60, 106	E1464-005CSR	453
DC17-C020-A040	589	DC29-C080-C120	591	ECSP2-040C	378	ECS3-025C	377	ES-664	60, 106	E1464-005SR	453
DC17-C020-B040	589	DEB-2	542, 546	ECSP3-005	377	ECS3-030	377	E1404-005	79, 451	E1464-007CSR	453
DC17-C020-C040	589		703, 711	ECSP3-005C	377	ECS3-030C	377	E1404-005C	451	E1464-007SR	453
DC17-C020-G040	590	DES-005	538, 539	ECSP3-007	377	ECS3-040	377	E1404-007	79, 451	E1464-010CSR	453
DC17-C030-A060	589	DET-005	539	ECSP3-007C	377	ECS3-040C	377	E1404-007C	451	E1464-010SR	453
DC17-C030-B060	589	DEZ4107-005SR	342, 539	ECSP3-010	377	ECS3-060	377	E1404-010	79, 451	E1465-005	453
DC17-C030-C060	589	DE4101-005	538	ECSP3-010C	378	ECS3-060C	377	E1404-010C	451	E1465-005C	453
DC17-C030-G060	590	DE4106-005	539	ECSP3-012	377	EHP-007	57, 103	E1405-005	79, 451	E1465-007	453
DC17-C040-A080	589	DE4107-005SR	342, 539	ECSP3-012C	378	EHP-101	57, 103	E1405-005C	451	E1465-007C	453
DC17-C040-B080	589	DHP-38	541, 701	ECSP3-015	377	EJ01-007SR	201, 332	E1405-007	79, 451	E1465-010	453
DC17-C040-C080	589	DHP-50	541, 701	ECSP3-015C	378		510	E1405-007C	451	E1465-010C	453
DC17-C040-G080	590	DHP-75	541, 701	ECSP3-020	377	EJ01-010SR	201, 332	E1405-010	79, 451	E1466-005	453
DC17-C060-A100	589	DP-125	542, 546	ECSP3-020C	378		510	E1405-010C	451	E1466-005C	453
DC17-C060-B100	589		558, 701	ECSP3-025	377	EJ01-012SR	201, 332	E1406-005	79, 451	E1466-007	453
DC17-C060-C100	589		711	ECSP3-025C	378		510	E1406-005C	451	E1466-007C	453
DC17-C080-A120	589	DP-50	542, 701	ECSP3-030	377	EJ01-015SR	201, 332	E1406-007	79, 451	E1466-010	453
DC17-C080-B120	589	DP-75	542, 546	ECSP3-030C	378		510	E1406-007C	451	E1466-010C	453
DC17-C080-C120	589		558, 701	ECSP3-040	377	EJ01-020SR	201, 332	E1406-010	79, 451	E1504-012	79, 451
DC29-A005-A020	591		711	ECSP3-040C	378		510	E1406-010C	451	E1504-012C	451
DC29-A005-G020	591	DQ-125	542, 546	ECSP3-040C	378	EJ01-025SR	201, 332	E1407-005	79, 451	E1504-015	79, 451
DC29-A007-A030	591		558, 701	ECSP3-040C	378		510	E1407-005C	451	E1504-015C	451
DC29-A007-G030	591		711	ECSP3-040C	378	EJ01-030SR	201, 332	E1407-007	79, 451	E1504-020	79, 451
DC29-A010-A030	591	DQ-50	542, 701	ECSP3-040C	378		510	E1407-007C	451	E1504-020C	451
DC29-A010-G030	591	DQ-75	542, 701	ECSP3-040C	378	EJ02-007	201, 332	E1407-010	79, 451	E1505-012	79, 451
DC29-A015-A040	591	DQP-50	701	ECSP3-040C	378	EJ02-010	201, 332	E1407-010C	451	E1505-012C	451
DC29-A015-G040	591	DQP-75	701	ECSP3-040C	378	EJ02-012	201, 332	E1408-005	79, 451	E1505-015	79, 451
DC29-A020-A040	591	DS-100	61, 107	ECSP3-040C	378	EJ02-015	201, 332	E1408-005C	451	E1505-015C	451
DC29-A020-G040	591	DS-150	61, 107	ECSP3-040C	378	EJ02-020	201, 332	E1408-007	79, 451	E1505-020	79, 451
DC29-A030-A060	591	DS-200	61, 107	ECSP3-040C	378	EJ02-025	201, 332	E1408-007C	451	E1505-020C	451
DC29-A030-G060	591	DS-250	61, 107	ECSP3-040C	378	EJ02-030	201, 332	E1408-010	79, 451	E1506-012	79, 451
DC29-A040-A080	591	DS-300	61, 107	ECSP3-040C	378	EJ21-007CSR	283, 337	E1408-010C	451	E1506-012C	451
DC29-A040-G080	591	DS-400	61, 107	ECSP3-040C	378		510	E1409-005	79, 451	E1506-015	79, 451
DC29-A060-A100	591	DS-450	61, 107	ECSP3-040C	378	EJ21-007SR	201, 332	E1409-005C	451	E1506-015C	451
DC29-A080-A120	591	DS-500	61, 107	ECSP3-040C	378		510	E1409-007	79, 451	E1506-020	79, 451
DC29-B005-A020	591	DV-ERK-005	436	ECSP3-040C	378	EJ21-010CSR	283, 337	E1409-007C	451	E1506-020C	451
DC29-B005-B020	591	DV-ERK-007	436	ECSP3-040C	378		510	E1409-010	79, 451	E1507-012	79, 451
DC29-B005-G020	591	DV-ERK-010	436	ECSP3-040C	378	EJ21-010SR	201, 332	E1409-010C	451	E1507-012C	451
DC29-B007-A030	591	DV-ERK-015	436	ECSP3-040C	378		510	E1451-005CSR	452	E1507-015	79, 451
DC29-B007-B030	591	DV-ERK-020	436	ECSP3-040C	378	EJ21-012CSR	283, 337	E1451-005SR	79, 452	E1507-015C	451
DC29-B007-G030	591	DV-TERK-005	436	ECSP3-040C	378		510	E1451-007CSR	452	E1507-020	79, 451
DC29-B010-A030	591	DV-TERK-007	436	ECSP3-040C	378	EJ21-012SR	201, 332	E1451-007SR	79, 452	E1507-020C	451
DC29-B010-B030	591	DV-TERK-010	436	ECSP3-040C	378		510	E1451-010CSR	452	E1508-012	79, 451
DC29-B010-G030	591	DV-TERK-015	436	ECSP3-040C	378	EJ21-015CSR	283, 337	E1451-010SR	79, 452	E1508-012C	451
DC29-B015-A040	591	DV-TERK-020	436	ECSP3-040C	378		510	E1452-005CSR	452	E1508-015	79, 451
DC29-B015-B040	591	DV-TVRRK-005	436	ECSP3-040C	378	EJ21-015SR	201, 332	E1452-005SR	79, 452	E1508-015C	451
DC29-B015-G040	591	DV-TVRRK-007	436	ECSP3-040C	378		510	E1452-007CSR	452	E1508-020	79, 451
DC29-B020-A040	591	DV-TVRRK-010	436	ECSP3-040C	378	EJ21-020CSR	283, 337	E1452-007SR	79, 452	E1508-020C	451
DC29-B020-B040	591	DV-TVRRK-015	436	ECSP3-040C	378		510	E1452-010CSR	452	E1509-012	79, 451
DC29-B020-G040	591	DV-TVRRK-020	436	ECSP3-040C	378	EJ21-020SR	201, 332	E1452-010SR	79, 452	E1509-012C	451
DC29-B030-A060	591	DV-VRK-005	436	ECSP3-040C	378		510	E1453-005	79, 452	E1509-015	79, 451
DC29-B030-B060	591	DV-VRK-007	436	ECSP3-040C	378	EJ21-025CSR	283, 337	E1453-005C	452	E1509-015C	451
DC29-B030-G060	591	DV-VRK-010	436	ECSP3-040C	378		510	E1453-007	79, 452	E1509-020	79, 451
DC29-B040-A080	591	DV-VRK-015	436	ECSP3-040C	378	EJ21-025SR	201, 332	E1453-007C	452	E1509-020C	451
DC29-B040-B080	591	DV-VRK-020	436	ECSP3-040C	378		510	E1453-010	79, 452	E1551-012CSR	452
DC29-B040-G080	591	DV-VRK-005	436	ECSP3-040C	378	EJ21-030CSR	283, 337	E1454-005	79, 452	E1551-012SR	79, 452
DC29-B060-A100	591	DV-VRK-007	436	ECSP3-040C	378		510	E1454-005C	452	E1551-015CSR	452
DC29-B060-B100	591	DV-VRK-010	436	ECSP3-040C	378	EJ21-030SR	201, 332	E1454-007	79, 452	E1551-015SR	79, 452
DC29-B080-A120	591	DV-VRK-015	436	ECSP3-040C	378		510	E1454-007C	452	E1551-020CSR	452
DC29-B080-B120	591	DV-VRK-020	436	ECSP3-040C	378	EJ22-007	201, 332	E1454-010	79, 452	E1551-020SR	79, 452
DC29-C005-A020	591	DV-VTRK-005	436	ECSP3-040C	378	EJ22-007C	283, 337	E1454-010C	452	E1552-012CSR	452
DC29-C005-B020	591	DV-VTRK-007	436	ECSP3-040C	378		510	E1455-010C	452	E1552-012SR	79, 452
DC29-C005-C020	591	DV-VTRK-010	436	ECSP3-040C	378	EJ22-010	201, 332	E1455-010C	452	E1552-015CSR	452
DC29-C005-G020	591	DV-VTRK-015	436	ECSP3-040C	378	EJ22-012	201, 332	E1457-005	79, 452	E1552-015SR	79, 452
DC29-C007-A030	591	DV-VTRK-020	436	ECSP3-040C	378	EJ22-012C	283, 337	E1457-005C	452	E1552-020CSR	452
DC29-C007-B030	591	D401-101	5	ECSP3-040C	378		510	E1457-007	79, 452	E1552-020SR	79, 452
DC29-C007-C030	591	D401-130	5	ECSP3-040C	378	EJ22-015	201, 332	E1457-007C	452	E1553-012	79, 452
DC29-C007-G030	591	D401-166	5	ECSP3-040C	378	EJ22-015C	283, 337	E1457-010	79, 452	E1553-012C	79, 452
DC29-C010-A030	591	D401-209	5	ECSP3-040C	378	EJ22-020	201, 332	E1457-010C	452	E1553-015	79, 452
DC29-C010-B030	591	D401-247	5	ECSP3-040C	378	EJ22-020C	283, 337	E1458-005	79, 452	E1553-020	79, 452
DC29-C010-C030	591	D401-247G	36	ECSP3-040C	378	EJ22-025	201, 332	E1458-005C	452	E1554-012	79, 452
DC29-C010-G030	592	D406-101	8	ECSP3-040C	378	EJ22-025C	283, 337	E1458-007	79, 452	E1554-012C	452
DC29-C015-A040	591	D406-130	8	ECSP3-040C	378	EJ22-030	201, 332	E1458-007C	452	E1554-015	79, 452
DC29-C015-B040	591	D406-166	8	ECSP3-040C	378	EJ22-030C	283, 337	E1458-010	79, 452	E1554-015C	452
DC29-C015-C040	591	D435-005	15	ECSP3-040C	378	EP-443	60, 106	E1458-010C	452	E1554-020	452
DC29-C015-G040	592	D435-007	15	ECSP3-040C	378	EP-444	60, 106	E1459-005	453	E1554-020C	452
DC29-C020-A040	591	ECSP2-005	377	ECSP3-040C	378	EP-543	60, 106	E1459-005C	453	E1555-012C	452
DC29-C020-B040	591	ECSP2-005C	377	ECSP3-040C	378	EP-544	60, 106	E1459-007	453	E1555-015C	452
DC29-C020-C040	591	ECSP2-007	377	ECSP3-040C	378	EP-553	60, 106	E1459-007C	453	E1555-020C	452
DC29-C020-G040	592	ECSP2-007C	377	ECSP3-040C	378	EP-554	60, 106	E1459-010	453	E1557-012	79, 452
DC29-C030-A060	591	ECSP2-010	377	ECSP3-040C	378	EP-653	60, 106	E1459-010C	453	E1557-012C	452
DC29-C030-B060	591	ECSP2-010C	378	ECSP3-040C	378	EP-654	60, 106	E1460-005	453	E1557-015	79, 452
DC29-C030-C060	591	ECSP2-012	377	ECSP3-040C	378	EP-663	60, 106	E1460-005C	453	E1557-015C	452
DC29-C030-G060	592	ECSP2-012C	378	ECSP3-040C	378	EP-664	60, 106	E1460-007	453	E1557-020	79, 452
DC29-C040-A080	591	ECSP2-015	377	ECSP3-040C	378	EPS-1	702	E1460-007C	453	E1557-020C	452
DC29-C040-B080	591	ECSP2-015C	37								



Spears Part Number Index

E1558-020	79, 452	FL-5A	50, 109	GK1-025	73, 206	GO-015	423	G0302-002C	288, 570	G1604-005C	288, 569
E1558-020C	452		489		287, 422	GO-020	423	G0302-002P	347, 570	G1604-005P	347, 570
E1559-012	453	FL-5B	51, 109	GK1-030	73, 206	GO-030	423	G0302-005	209, 569	G2002-002	209, 569
E1559-012C	453		490		287, 422	GO-040	423	G0302-005BL	546	G2002-002BL	546
E1559-015	453	FL-50	50, 108	GK1-040	73, 206	GO-060	423	G0302-005C	288, 570	G2002-002C	288, 570
E1559-015C	453		489		287, 422	GO-080	423	G0302-005P	347, 570	G2002-002P	347, 570
E1559-020	453	FL-50-1	50, 53	GK1-050	73, 206	GO-100	423	G0303-002	209, 569	G2002-005	209, 569
E1559-020C	453		108, 111		287, 422	GO-120	423	G0303-002BL	545	G2002-005BL	546
E1560-012	453		319, 489	GK1-060	73, 206	GO-140	423	G0303-002C	288, 569	G2002-005C	288, 570
E1560-012C	453	FL-76	491, 497		287, 422	GOP-015	423	G0303-002P	347, 570	G2002-005P	347, 570
E1560-015	453		50, 108	GK1-080	73, 206	GOP-020	423	G0303-005	209, 569	G2003-002	209, 569
E1560-015C	453		489		287, 422	GOP-030	423	G0303-005BL	545	G2003-002BL	545
E1560-020	453	FL-76-1	50, 53	GK1-100	73, 206	GOP-040	423	G0303-005C	288, 569	G2003-002C	288, 570
E1560-020C	453		108, 111		287, 422	GOP-060	423	G0303-005P	347, 570	G2003-002P	347, 570
E1563-012CSR	453		319, 489	GK1-120	73, 206	GOP-080	423	G0304-002	209, 569	G2003-005	209, 569
E1563-012SR	453		491, 497		287, 422	GOP-100	423	G0304-002BL	545	G2003-005BL	545
E1563-015CSR	453	FLR-100	51, 109	GK2-005	73, 206	GOP-120	423	G0304-002C	288, 569	G2003-005C	288, 570
E1563-015SR	453		494		287, 422	GT-BRK-005	411	G0304-002P	347, 570	G2003-005P	347, 570
E1563-020CSR	453	FLR-100-1	51, 53	GK2-007	73, 206	GT-BRK-007	411	G0304-005	209, 569	G2004-002	209, 569
E1563-020SR	453		109, 111		287, 422	GT-BRK-010	411	G0304-005BL	545	G2004-002BL	545
E1564-012CSR	453		243, 319	GK2-010	73, 206	GT-BRK-015	411	G0304-005C	288, 569	G2004-002C	288, 569
E1564-012SR	453		491, 494		287, 422	GT-BRK-020	411	G0304-005P	347, 570	G2004-002P	347, 570
E1564-015CSR	453		497	GK2-012	73, 206	GT-BRK-030	411	G0602-002	209, 569	G2004-005	209, 569
E1564-015SR	453	FLR-150	51, 109		287, 422	GT-BRK-040	411	G0602-002BL	546	G2004-005BL	545
E1564-020CSR	453		494	GK2-015	73, 206	GT-ERK-005	411	G0602-002C	288, 570	G2004-005C	288, 569
E1564-020SR	453	FLR-150-1	51, 53		287, 422	GT-ERK-007	411	G0602-002P	347, 570	G2004-005P	347, 570
E1565-012	453		109, 111	GK2-020	73, 206	GT-ERK-010	411	G0602-005	209, 569	G30V2-002	209, 569
E1565-012C	453		243, 319		287, 422	GT-ERK-015	411	G0602-005BL	546	G30V2-002BL	546
E1565-015	453		491, 494	GK2-025	73, 206	GT-ERK-020	411	G0602-005C	288, 570	G30V2-002C	288, 570
E1565-015C	453		497		287, 422	GT-ERK-030	411	G0602-005P	347, 570	G30V2-002P	347, 570
E1565-020	453	FLR-16	51, 109	GK2-030	73, 206	GT-ERK-040	411	G0603-002	209, 569	G30V2-005	209, 569
E1565-020C	453		494		287, 422	GT-VRK-005	411	G0603-002BL	545	G30V2-005BL	546
E1566-012	453	FLR-200	51, 109	GK2-040	73, 206	GT-VRK-007	411	G0603-002C	288, 569	G30V2-005C	288, 570
E1566-012C	453		494		287, 422	GT-VRK-010	411	G0603-002P	347, 570	G30V2-005P	347, 570
E1566-015	453	FLR-200-1	51, 53	GK2-050	73, 206	GT-VRK-015	411	G0603-005	209, 569	G30V3-002	209, 569
E1566-015C	453		109, 111		287, 422	GT-VRK-020	411	G0603-005BL	545	G30V3-002BL	545
E1566-020	453		243, 320	GK2-060	73, 206	GT-VRK-030	411	G0603-005C	288, 569	G30V3-002C	288, 569
E1566-020C	453		491, 494		287, 422	GT-VRK-040	411	G0603-005P	347, 570	G30V3-002P	347, 570
F-64	57, 103	FLR-32	51, 109	GK2-080	73, 206	GTN-005	411	G0604-002	209, 569	G30V3-005	209, 569
F-64-P	57, 103		497		287, 422	GTN-012	411	G0604-002BL	545	G30V3-005BL	545
F-64B	57, 103		494	GK2-100	73, 206	GTN-030	411	G0604-002C	288, 569	G30V3-005C	288, 569
F-65	57, 103	FLR-50	51, 109		287, 422	GTN-040	411, 424	G0604-002P	347, 570	G30V3-005P	347, 570
F-66	57, 103		494	GK2-120	73, 206	G0002-002	209, 569	G0604-005	209, 569	G30V4-002	209, 569
F-66-P	57, 103	FLR-50-1	51, 53		287, 422	G0002-002BL	546	G0604-005BL	545	G30V4-002BL	545
FCG-5	51, 109		109, 111	GK3-005	73, 206	G0002-002C	288, 570	G0604-005C	288, 569	G30V4-002C	288, 569
	490		243, 319		287, 422	G0002-002P	347, 570	G0604-005P	347, 570	G30V4-002P	347, 570
FL-100	50, 108		491, 494	GK3-007	73, 206	G0002-005	209, 569	G1002-002	209, 569	G30V4-005	209, 569
	489		497		287, 422	G0002-005BL	546	G1002-002BL	546	G30V4-005BL	545
FL-100-1	50, 53	FLR-76	51, 109	GK3-010	73, 206	G0002-005C	288, 570	G1002-002C	288, 570	G30V4-005C	288, 569
	108, 111		494		287, 422	G0002-005P	347, 570	G1002-002P	347, 570	G30V4-005P	347, 570
	319, 489	FLR-76-1	51, 53	GK3-012	73, 206	G0003-002	209, 569	G1002-005	209, 569	G3002-002	209, 569
	491, 497		109, 111		287, 422	G0003-002BL	545	G1002-005BL	546	G3002-002BL	546
FL-11	50, 108		243, 319	GK3-015	74, 206	G0003-002C	288, 569	G1002-005C	288, 570	G3002-002C	288, 570
	489		491, 494		287, 422	G0003-002P	347, 570	G1002-005P	347, 570	G3002-002P	347, 570
FL-150	50, 108		497	GK3-020	74, 206	G0003-005	209, 569	G1003-002	209, 569	G3002-005	209, 569
	489	FS5-020	696, 711		287, 422	G0003-005BL	545	G1003-002BL	545	G3002-005BL	546
FL-150-1	50, 53	FS5-030	696, 711	GK3-025	74, 206	G0003-005C	288, 569	G1003-002C	288, 569	G3002-005C	288, 570
	108, 111	FTP-005	710		287, 422	G0003-005P	347, 570	G1003-002P	347, 570	G3002-005P	347, 570
	319, 489	FTP-005GS	710	GK3-030	74, 206	G0004-002	209, 569	G1003-005	209, 569	G3003-002	209, 569
	491, 497	FVS-005	226, 389		287, 422	G0004-002BL	545	G1003-005BL	545	G3003-002BL	545
FL-16	50, 108	FVS-005C	304, 389	GK3-040	74, 206	G0004-002C	288, 569	G1003-005C	288, 569	G3003-002C	288, 570
	489	FVS-007	226, 389		287, 422	G0004-002P	347, 570	G1003-005P	347, 570	G3003-002P	347, 570
FL-16-1	50, 51	FVS-007C	304, 389	GK3-050	74, 206	G0004-005	209, 569	G1004-002	209, 569	G3003-005	209, 569
	53, 53	FVS-010	226, 389		287, 422	G0004-005BL	545	G1004-002BL	545	G3003-005BL	545
	108, 109	FVS-010C	304, 389	GK3-060	74, 206	G0004-005C	288, 569	G1004-002C	288, 569	G3003-005C	288, 570
	111, 111	FVS-012	226, 389		287, 422	G0004-005P	347, 570	G1004-002P	347, 570	G3003-005P	347, 570
	243, 319	FVS-012C	304, 389	GK3-080	74, 206	G0152-002	209, 569	G1004-005	209, 569	G3004-002	209, 569
	319, 489	FVS-015	226, 389		287, 422	G0152-002BL	546	G1004-005BL	545	G3004-002BL	545
	491, 491	FVS-015C	304, 389	GK3-100	74, 206	G0152-002C	288, 570	G1004-005C	288, 569	G3004-002C	288, 569
	494, 497	FVS-020	226, 389		287, 422	G0152-002P	347, 570	G1004-005P	347, 570	G3004-002P	347, 570
	497	FVS-020C	304, 389	GK3-120	74, 206	G0152-005	209, 569	G1602-002	209, 569	G3004-005	209, 569
FL-200	50, 108	FVS-025	226, 389		287, 422	G0152-005BL	546	G1602-002BL	546	G3004-005BL	545
	489	FVS-025C	304, 389	GL-BRK-025	238, 430	G0152-005C	288, 570	G1602-002C	288, 570	G3004-005C	288, 569
FL-200-1	50, 53	FVS-030	226, 389	GL-BRK-030	238, 430	G0152-005P	347, 570	G1602-002P	347, 570	G3004-005P	347, 570
	108, 111	FVS-030C	304, 389	GL-BRK-040	238, 430	G0153-002	209, 569	G1602-005	209, 569	HC-443	60, 106
	319, 489	FVS-040	226, 389	GL-BRK-060	238, 430	G0153-002BL	545	G1602-005BL	546	HC-443-1	60, 106
	491, 497	FVS-040C	304, 389	GL-ERK-025	238, 430	G0153-002C	288, 569	G1602-005C	288, 570	HC-444	60, 106
FL-32	50, 108	FVS-060	226, 389	GL-ERK-025C	315, 430	G0153-002P	347, 570	G1602-005P	347, 570	HC-444-1	60, 106
	489	FVS-060C	304, 389	GL-ERK-030	238, 430	G0153-005	209, 569	G1603-002	209, 569	HC-543	60, 106
FL-32-1	50, 51	GC-1	424	GL-ERK-030C	315, 430	G0153-005BL	545	G1603-002BL	545	HC-543-1	60, 106
	53, 53	GK1-005	73, 206	GL-ERK-040	238, 430	G0153-005C	288, 569	G1603-002C	288, 570	HC-544	60, 106
	108, 109		287, 422	GL-ERK-040C	315, 430	G0153-005P	347, 570	G1603-002P	347, 570	HC-544-1	60, 106
	111, 111	GK1-007	73, 206	GL-ERK-060	238, 430	G0154-002	209, 569	G1603-005	209, 569	HC-553	60, 106
	243, 319		287, 422	GL-ERK-060C	315, 430	G0154-002BL	545	G1603-005BL	545	HC-553-1	60, 106
	319, 489	GK1-010	73, 206	GL-VRK-025	238, 430	G0154-002C	288, 569	G1603-005C	288, 570	HC-554	60, 106
	491, 491		287, 422	GL-VRK-025C	315, 430	G0154-002P	347, 570	G1603-005P	347, 570	HC-554-1	60, 106
	494, 497	GK1-012	73, 206	GL-VRK-030	238, 430	G0154-005	209, 569	G1604-002	209, 569	HC-653	60, 106
	497		287, 422	GL-VRK-030C	315, 430	G0154-005BL	545	G1604-002BL	545	HC-653-1	60, 106
FL-4A	50, 108	GK1-015	73, 206	GL-VRK-040	238, 430	G0154-005C	288, 569	G1604-002C	288, 569	HC-654	60, 106
	489		287, 422	GL-VRK-040C	315, 430	G0154-005P	347, 570				

Spears Part Number Index



HC-664	60, 106	HK2-080	73, 206	HT2-577W	28	IJ-160-010P	205, 286	LWTPN-015140	557	MA0602-010	63, 101
HC-664-1	60, 106		287	HT2S-248	195	IJ-180-010P	205, 286	LW150M-015C	556	MA0602-010BT	684
HF	56, 114	HK2-120	73, 206	HT2S-248C	279	IJ-200-010P	205, 286	LW150M-015S	556	MA0603-010	63, 101
	490		287	HT2S-248W	29	IJ-240-010P	205, 286	LW150M-020C	556		684
HF-100	56, 114	HPL-6	58, 104	HT2S-251	195	IJ300-030-010P	205, 286	LW150M-020S	556	MA2004-010	63, 101
	490	HPTC-100	565	HT2S-251C	279	IJ300-040-010P	205, 286	LW150M-030C	556	MA2004-010BT	684
HF-100-1W	56, 114	HPTC-1200	565	HT2S-251W	29	IJ300-060-010P	205, 286	LW150M-030S	556	MA2903-010	63, 101
	490	HPTC-350	565	HT2S-288	195	IJ300-080-010P	205, 286	LW150M-040C	556		684
HF-150	56, 114	HPTC-5	565	HT2S-288C	279	IJ300-100-010P	205, 286	LW150M-040S	556	MA2907-010	63, 101
	490	HTS2S-248	195	HT2S-288W	29	IJ300-120-010P	205, 286	LW150M-015C	556	MA2907-010BT	684
HF-150-1NW	56, 114	HTS2S-248C	279	HT2S-291	195	IJ300-140-010P	205, 286	LW150M-015S	556	MA2908-010	63, 101
	490	HTS2S-251	195	HT2S-291C	279	IJ300-160-010P	205, 286	LW150M-020C	556		684
HF-150-1W	56, 114	HTS2S-251C	279	HT2S-291W	29	IJ300-180-010P	205, 286	LW150M-020S	556	MA3505-007	63, 101
	490	HTS2S-288	195	HT2S-334	195	IJ300-200-010P	205, 286	LW150M-030C	556	MA3505-010	63, 101
HF-150N	56, 114	HTS2S-288C	279	HT2S-334C	279	IJ300-240-010P	205, 286	LW150M-030S	556		684
	490	HTS2S-291	195	HT2S-334W	29	KD-110	702	LW150M-040C	556	MA4800-010	63, 101
HF-20	56, 114	HTS2S-291C	279	HT2S-337	195	KD-112	702	LW150M-040S	556		684
	490	HTS2S-334	195	HT2S-337C	279	LFB	574	LW150M-040S	556	MA8306-010	63, 101
HF-20-1W	56, 114	HTS2S-334C	279	HT2S-337W	29	LFB-BL	550, 574	LW151M-015S	557	MA8306-010BT	684
	490	HTS2S-337	195	HT2S-416	195	LFB-C	574	LW151M-020S	557	MA8306-131	63, 101
HF-200	56, 114	HTS2S-337C	279	HT2S-416C	279	LFGN	573	LW151M-030S	557	MFL-100	50, 108
	490	HTS2S-416	195	HT2S-416W	29	LFGN-BL	549, 573	LW151M-040S	557		489
HF-200-1W	56, 114	HTS2S-416C	279	HT2S-419	195	LFGN-C	573	LW151M-015S	557	MFL-100-1	50, 53
	490	HTS2S-419	195	HT2S-419C	279	LFRGN-BL	549	LW151M-020S	557		108, 111
HF-30	56, 114	HTS2S-419C	279	HT2S-419W	29	LFR1000-BLN	549, 573	LW151M-030S	557		243, 319
	490	HTS2S-524	195	HT2S-524	195	LFR1000-CN	573	LW151M-040S	557		489, 491
HF-30-1W	56, 114	HTS2S-524C	279	HT2S-524C	279	LFR1000-N	573	LW152M-015C	556		497
	490	HTS2S-527	195	HT2S-524W	29	LF100	572	LW152M-020C	556	MFL-11	50, 108
HF-50	56, 114	HTS2S-527C	279	HT2S-527	195	LF100-BL	549, 572	LW152M-030C	556		489
	490	HTS2S-574	195	HT2S-527C	279	LF100-C	572	LW152M-040C	556	MFL-150	50, 108
HF-50-1W	56, 114	HTS2S-574C	279	HT2S-527W	29	LF1000-BLN	548, 571	LW152M-015C	556		489
	490	HTS2S-574	195	HT2S-574	195	LF1000-CN	571	LW152M-020C	556	MFL-150-1	50, 53
HF-80	56, 114	HTS2S-577C	279	HT2S-574C	279	LF1000-N	571	LW152M-030C	556		108, 111
	490	HTS3S-248	195	HT2S-574W	29	LF1002	571	LW152M-040C	556		243, 319
HF-80-1W	56, 114	HTS3S-248C	279	HT2S-577	195	LF1002-BL	548, 571	LW160M-015S	556		489, 491
	490	HTS3S-251	195	HT2S-577C	279	LF1002-C	571	LW160M-020S	556		497
HK-005	72, 205	HTS3S-251C	279	HT2S-577W	29	LF1003	571	LW160M-030S	556	MFL-16	50, 108
	286	HTS3S-288	195	HT3-248	195	LF1003-BL	548, 571	LW160M-040S	557		489
HK-010	72, 205	HTS3S-288C	279	HT3-248C	279	LF1003-C	571	LW160M-015S	556	MFL-16-1	50, 51
	286	HTS3S-291	195	HT3-251	195	LF104	572	LW160M-020S	556		53, 53
HK-015	72, 205	HTS3S-291C	279	HT3-251C	279	LF104-C	572	LW160M-030S	556		108, 109
	286	HTS3S-334	195	HT3-288	195	LF2000-CN	571	LW160M-040S	556		111, 111
HK-020	72, 205	HTS3S-334C	279	HT3-288C	279	LF2000-N	571	LW170M-015S	556		243, 243
	205, 286	HTS3S-337	195	HT3-291	195	LF2002	571	LW170M-020S	556		319, 320
HK-025	72, 73	HTS3S-337C	279	HT3-291C	279	LF2002-C	572	LW170M-030S	556		489, 491
	205, 286	HTS3S-416	195	HT3-334	195	LF2003	571	LW170M-040S	557		491, 494
HK-030	72, 73	HTS3S-416C	279	HT3-334C	279	LF2003-C	572	LW1700-015S	556		497, 497
	205, 286	HTS3S-419	195	HT3-337	195	LF300	573	LW1700-020S	556	MFL-200	50, 108
HK-040	72, 73	HTS3S-419C	279	HT3-337C	279	LF300-C	573	LW1700-030S	556		489
	205, 286	HTS3S-524	195	HT3-416	195	LF3002	572	LW1700-040S	556	MFL-200-1	50, 53
HK-060	73, 205	HTS3S-524C	279	HT3-416C	279	LF3002-BL	549, 572	LW180M-015S	556		108, 111
	286	HTS3S-527	195	HT3-419	195	LF3002-C	572	LW180M-020S	556		243, 319
HK-080	73, 205	HTS3S-527C	279	HT3-419C	279	LF3003	572	LW180M-030S	556		489, 491
	286	HTS3S-574	195	HT3-524	195	LF3003-BL	549, 572	LW180M-040S	557		497
HK-120	73, 205	HTS3S-574C	279	HT3-524C	279	LF3003-C	572	LW1800-015S	556	MFL-32	50, 108
	286	HTS3S-577	195	HT3-527	195	LF400	573	LW1800-020S	556		489
HK1-005	73, 205	HTS3S-577C	279	HT3-527C	279	LF400-BL	550, 573	LW1800-030S	556	MFL-32-1	50, 51
	286	HT2-248	195	HT3-574	195	LF400-C	573	LW1800-040S	556		53, 53
HK1-010	73, 205	HT2-248C	279	HT3-574C	279	LF4002	572	LW5-020	557, 696		108, 109
	286	HT2-248W	28	HT3-577	195	LF4002-C	572	LW5-030	557, 696		111, 111
HK1-015	73, 205	HT2-251	195	HT3-577C	279	LF4003	572	LW5-040	557, 696		243, 244
	286	HT2-251C	279	HT3S-248	195	LF4003-C	572	LW5-050	557, 696		319, 320
HK1-020	73, 205	HT2-251W	28	HT3S-248C	279	LF500	573	LXT-005	544, 689		489, 491
	286	HT2-288	195	HT3S-251	195	LF500-BL	549, 573	LXT-007	544, 689		491, 494
HK1-025	73, 205	HT2-288C	279	HT3S-251C	279	LF500-C	573	LXT-010	544, 689		497, 497
	286	HT2-288W	28	HT3S-288	195	LUG1-015	424	LXT-012	544, 689	MFL-50	50, 108
HK1-030	73, 205	HT2-291	195	HT3S-288C	279	LUG1-020	424	LXT-015	544, 689		489
	286	HT2-291C	279	HT3S-291	195	LUG1-030	424	LXT-020	544, 689	MFL-50-1	50, 53
HK1-040	73, 205	HT2-291W	28	HT3S-291C	279	LUG1-040	424	LXT-030	544, 689		108, 111
	286	HT2-334	195	HT3S-334	195	LUG1-080	424	LXT-040	544, 689		243, 319
HK1-060	73, 205	HT2-334C	279	HT3S-334C	279	LUG1-120	424	LXT-060	544, 689		489, 491
	286	HT2-334W	28	HT3S-337	195	LUG2-015	424	LX5C-020	546, 699		497
HK1-080	73, 205	HT2-337	195	HT3S-337C	279	LUG2-020	424	LX5C-030	546, 699	MFL-76	50, 108
	286	HT2-337C	279	HT3S-416	195	LUG2-030	424	L4235-130	340, 709		489
HK1-120	73, 205	HT2-337W	28	HT3S-416C	279	LUG2-040	424	M-44	57, 103	MFL-76-1	50, 53
	286	HT2-416	195	HT3S-419	195	LUG2-080	424	M-64	57, 103		108, 111
HK2-005	73, 205	HT2-416C	279	HT3S-419C	279	LUG2-120	424	M-64-P	57, 103		243, 319
	286	HT2-416W	28	HT3S-524	195	LW-015	557, 689	M-64B	57, 103		489, 491
HK2-010	73, 205	HT2-419	195	HT3S-524C	279	LW-020	557, 689	M-65	57, 103		497
	286	HT2-419C	279	HT3S-527	195	LW-030	557, 689	M-66	57, 103	MFLR-100	51, 109
HK2-015	73, 205	HT2-419W	279	HT3S-527C	279	LW-040	557, 689	M-66-P	57, 103		494
	286	HT2-524	195	HT3S-574	195	LW-060	557, 689	MA-214	63, 101	MFLR-100-1	51, 54
HK2-020	73, 205	HT2-524C	279	HT3S-574C	279	LW-080	557, 689		684		109, 111
	286	HT2-524W	28	HT3S-577	195	LW-100	557, 689	MA-218	63, 101		244, 320
HK2-025	73, 205	HT2-527	195	HT3S-577C	279	LW-120	557, 689		685		492, 494
	286	HT2-527C	279	IJ-030-010P	205, 286	LW-140	557, 689	MA0101-010	63, 101		497
HK2-030	73, 206	HT2-527W	28	IJ-040-010P	205, 286	LW-160	557, 689	MA0101-010-2	63, 101	MFLR-150	51, 109
	287	HT2-574	195	IJ-060-010P	205, 286	LWTPN-015060	557	MA0101-010-3	63, 101		494
HK2-040	73, 206	HT2-574C	279	IJ-080-010P	205, 286	LWTP-015120	557	MA0101-010-4	63, 101	MFLR-150-1	51, 54
	287	HT2-574W	28	IJ-100-010P	205, 286	LWTP-015140	557	MA0101-010BT	684		109, 112
HK2-060	73, 206	HT2-577	195	IJ-120-010P	205, 286	LWTPN-015060	557	MA0109-010	63, 101		244, 320
	287	HT2-577C	279	IJ-140-010P	205, 286	LWTPN-015120	557	MA0109-010BT	684		492, 494



Spears Part Number Index

	497	MTFR2-100	243, 496	PA2010-03	59, 104	PD-430-480C	576, 691	PRIM68C-030	4, 700	PVC19G-040	3, 167
MFLR-16	51, 109	MTFR2-100C	319, 497	PA2010-04	59, 104	PD-800-001	165, 688	PRIM68C-040	4, 700		695
	494	MTFR2-150	243, 496	PA2020-01	59, 104	PD-800-001-10	165, 688	PRIM68P-005	4, 700	PVC19G-050	3, 167
MFLR-200	51, 109	MTFR2-150C	319, 497	PA2020-02	59, 104	PD-800-001C	253, 686	PRIM68P-010	4, 700		695
	494	MTFR2-200	243, 496	PA2020-03	59, 104	PD-800-001C-10	253, 686	PRIM68P-020	4, 700	PVC19W-020	3, 695
MFLR-200-1	51, 54	MTFR2-200C	319, 497	PA2020-04	59, 104	PD-800-002	165, 688	PRIM68P-030	4, 700	PVC19W-030	3, 695
	109, 112	MTFR2-50	243, 496	PB1	546, 557	PD-800-002-10	165, 688	PRIM68P-040	4, 700	PVC19W-040	3, 695
	244, 320	MTFR2-50C	319, 497		711	PD-800-002C	253, 686	PRIM70C-005	4, 169	PVC19W-050	3, 695
	492, 494	MTFR2-76	243, 496	PD-400-001C	253, 686	PD-800-002C-10	253, 686		255, 700	PVC21B-005	1, 166
	497	MTFR2-76C	319, 497	PD-400-001C-10	253, 686	PD-800-003	165, 688	PRIM70C-010	4, 169		693
MFLR-32	51, 109	MTFR3-100	243, 496	PD-400-002C	253, 686	PD-800-003-10	165, 688		255, 700	PVC21B-010	1, 166
	494	MTFR3-100C	319, 497	PD-400-002C-10	253, 686	PD-800-003C	253, 686	PRIM70C-020	4, 169		693
MFLR-50	51, 109	MTFR3-150	243, 496	PD-400-003C	253, 686	PD-800-003C-10	253, 686		255, 700	PVC21B-020	1, 166
	494	MTFR3-150C	319, 497	PD-400-003C-10	253, 686	PD-800-005	165, 688	PRIM70C-030	4, 169		693
MFLR-50-1	51, 54	MTFR3-200	243, 496	PD-400-005C	253, 686	PD-800-005-10	165, 688		255, 700	PVC21B-030	1, 166
	109, 111	MTFR3-200C	319, 497	PD-400-005C-10	253, 686	PD-800-005C	253, 686	PRIM70C-040	4, 169		693
	244, 320	MTFR3-50	243, 496	PD-400-007C	253, 686	PD-800-005C-10	253, 686		255, 700	PVC21B-040	1, 166
	492, 494	MTFR3-50C	319, 497	PD-400-007C-10	253, 686	PD-800-007	165, 688	PRIM70P-005	4, 169		693
	497	MTFR3-76	243, 496	PD-400-010C	253, 686	PD-800-007-10	165, 688		255, 700	PVC25B-005	2, 167
MFLR-76	51, 109	MTFR3-76C	319, 497	PD-400-010C-10	253, 686	PD-800-007C	253, 686	PRIM70P-010	4, 169		694
	494	MTF2-100	243, 496	PD-400-012C	253, 686	PD-800-007C-10	253, 686		255, 700	PVC25B-010	2, 167
MFLR-76-1	51, 54	MTF2-100C	319, 497	PD-400-012C-10	253, 686	PD-800-010	165, 688	PRIM70P-020	4, 169		694
	109, 111	MTF2-150	243, 496	PD-400-015C	253, 686	PD-800-010-10	165, 688		255, 700	PVC25B-020	2, 167
	244, 320	MTF2-150C	319, 497	PD-400-015C-10	253, 686	PD-800-010C	253, 686	PRIM70P-030	4, 169		694
	492, 494	MTF2-16	243, 243	PD-400-020C	253, 686	PD-800-010C-10	253, 686		255, 700	PVC25B-030	2, 167
	497		496, 496	PD-400-020C-10	253, 686	PD-800-012	165, 688	PRIM70P-040	4, 169		694
MH040	566	MTF2-16C	319, 319	PD-400-025C	253, 686	PD-800-012-10	165, 688		255, 700	PVC25B-040	2, 167
MH060	566		496, 497	PD-400-025C-10	253, 686	PD-800-012C	253, 686	PSS-120	424		694
MH110	566	MTF2-200	243, 496	PD-400-030C	253, 686	PD-800-012C-10	253, 686	PS4-90	59, 104	PVC27C-020	2, 167
MH180	566	MTF2-200C	319, 497	PD-400-030C-10	253, 686	PD-800-015	165, 688	PS4-90N	59, 104		694
MMP-005	380	MTF2-32	243, 243	PD-400-040C	253, 686	PD-800-015-10	165, 688	PTC-100	565	PVC27C-030	2, 167
MMP-007	380		496, 496	PD-400-040C-10	253, 686	PD-800-015C	253, 686	PTC-1200	565		694
MMP-010	380	MTF2-32C	319, 319	PD-400-060C	253, 686	PD-800-015C-10	253, 686	PTC-350	565	PVC27C-040	2, 167
MMP-012	380		496, 497	PD-400-060C-10	253, 686	PD-800-020	165, 688	PTC-5	565		694
MMP-015	380	MTF2-50	243, 496	PD-400-080C	253, 686	PD-800-020-10	165, 688	PVC00C-005	1, 166	PVC50B-005	2, 167
MMP-020	380	MTF2-50C	319, 496	PD-400-080C-10	253, 686	PD-800-020C	253, 686		693		694
MMP-030	380	MTF2-76	243, 496	PD-400-100C	253, 686	PD-800-020C-10	253, 686	PVC00C-010	1, 166	PVC50B-010	2, 167
MMP-040	381	MTF2-76C	319, 496	PD-400-100C-10	253, 686	PD-800-025	165, 688		693		694
MMP1-005	380	MTF3-100	243, 496	PD-400-120C	253, 686	PD-800-025-10	165, 688	PVC00C-020	1, 166	PVC50B-020	2, 167
MMP1-007	380	MTF3-100C	319, 497	PD-400-120C-10	253, 686	PD-800-025C	253, 686		693		694
MMP1-010	380	MTF3-150	243, 496	PD-430-060	576, 690	PD-800-025C-10	253, 686	PVC00C-030	1, 166	PVC50B-030	2, 167
MMP1-012	380	MTF3-150C	319, 497	PD-430-060-10	576, 690	PD-800-030	165, 688		693		694
MMP1-015	380	MTF3-16	243, 243	PD-430-060C	576, 690	PD-800-030-10	165, 688	PVC00C-040	1, 166	PVC50B-040	2, 167
MMP1-020	380		496, 496	PD-430-060C-10	576, 690	PD-800-030C	253, 686		693		694
MMP1-030	380	MTF3-16C	319, 319	PD-430-080	576, 690	PD-800-030C-10	253, 686	PVC02C-005	1, 166	PVC95B-030	2, 694
MMP1-040	381		496, 497	PD-430-080-10	576, 690	PD-800-040	165, 688	PVC95B-040	1, 693		2, 694
MP90C-005	698	MTF3-200	243, 496	PD-430-080C	576, 690	PD-800-040-10	165, 688	PVC02C-010	1, 166	PVC95C-005	2, 694
MP90C-010	698	MTF3-200C	319, 497	PD-430-080C-10	576, 690	PD-800-040C	253, 686		693	PVC95C-010	2, 694
MP90C-020	698	MTF3-32	243, 243	PD-430-100	576, 690	PD-800-040C-10	253, 686	PVC02C-020	1, 166	PVC95C-020	2, 694
MP90C-030	698		496, 496	PD-430-100-10	576, 690	PD-800-060	165, 688		693	PVC95C-030	2, 694
MS412-005	9	MTF3-32C	319, 319	PD-430-100C	576, 690	PD-800-060-10	165, 688	PVC02C-030	1, 166	PVC95C-040	2, 694
MS412-007	9		496, 497	PD-430-100C-10	576, 690	PD-800-060C	253, 686		693	P000P-015	516
MS412-010	9	MTF3-50	243, 496	PD-430-120	576, 690	PD-800-060C-10	253, 686	PVC02C-040	1, 166	P000P-020	516
MS412-011	9	MTF3-50C	319, 496	PD-430-120-10	576, 690	PD-800-080	165, 688		693	P000P-169	516
MT-647	557, 702	MTF3-76	319, 496	PD-430-120C	576, 690	PD-800-080-10	165, 688	PVC05C-005	1, 166	P093-015	551
MT-648	557, 702	MTF3-76C	319, 496	PD-430-120C-10	576, 690	PD-800-080C	253, 686		693	P093-020	551
MT-650	703	M312-010	668	PD-430-140	576, 690	PD-800-080C-10	253, 686	PVC05C-010	1, 166	P093-030	551
MT-651	546, 557	M412-005	9	PD-430-140-10	576, 690	PD-800-100	165, 688		693	P093-040	551
	702, 711	M412-007	9	PD-430-140C	576, 690	PD-800-100-10	165, 688	PVC05C-020	1, 166	P093-060	551
MT-652	703	M412-010	9	PD-430-140C-10	576, 690	PD-800-100C	253, 686		693	P094-015	551
MT-653	546, 557	M412-012	9	PD-430-160	576, 690	PD-800-100C-10	253, 686	PVC05C-030	1, 166	P094-020	551
	703, 711	M412-015	9	PD-430-160-10	576, 690	PD-800-120	165, 688		693	P094-030	551
MT-654	546, 557	M434-005-3	17, 162	PD-430-160C	576, 690	PD-800-120-10	165, 688	PVC05C-040	1, 166	P094-040	551
	702, 711	M434-007-4	17, 162	PD-430-160C-10	576, 690	PD-800-120C	253, 686		693	P095-015C	551
MT-655	702	M481-005	102, 164	PD-430-180	576, 690	PD-800-120C-10	253, 686	PVC11G-010	2, 167	P095-020C	551
MT-656	702	M481-007	102, 164	PD-430-180-10	576, 690	PGT-BRK-010	411		694	P095-030C	551
MTF-100	53, 111	M481-101	102, 164	PD-430-180C	576, 690	PGT-BRK-020	411	PVC11G-020	2, 167	P095-040C	551
	491	M854-020	71, 203	PD-430-200	576, 690	PGT-ERK-010	411		694	P096-015C	551
MTF-150	53, 111		667	PD-430-200-10	576, 690	PGT-ERK-020	411	PVC11G-030	2, 167	P096-020C	551
	491	M854-020C	285	PD-430-200C	576, 690	PGT-VRK-010	411		694	P096-030C	551
MTF-16	53, 53	M854-060	72, 203	PD-430-240	576, 690	PGT-VRK-020	411	PVC11G-040	2, 167	P096-040C	551
	111, 111		667	PD-430-240-10	576, 690	PGTN-012	411		694	P096-060C	551
	491, 491	M854-060C	285	PD-430-240C	576, 690	PL-002	42, 688	PVC17C-010	2, 167	P097-015C	551
MTF-200	53, 111	M854-080	72, 203	PD-430-260	576, 691	PL-003	42, 688		694	P097-020C	551
	491		667	PD-430-260C	576, 691	PL-005	42, 688	PVC17C-020	2, 167	P097-030C	551
MTF-32	53, 53	M854-080C	285	PD-430-280	576, 691	PL-007	42, 688		694	P097-040C	551
	111, 111	M856-020	72, 203	PD-430-280C	576, 691	PL-010	42, 688	PVC17C-030	2, 167	P098-015C	551
	491, 491		667	PD-430-300	576, 691	PL-012	42, 688		694	P098-020C	551
MTF-50	53, 111	M856-060	72, 203	PD-430-300C	576, 691	PL-015	42, 688	PVC17C-040	2, 167	P098-030C	551
	491		667	PD-430-320	576, 691	PL-020	42, 688		694	P098-040C	551
MTF-76	53, 111	M856-080	72, 203	PD-430-320C	576, 691	PL-025	42, 688	PVC17G-010	2, 167	P098-060C	551
	491		667	PD-430-360	576, 691	PL-030	42, 688		694	P099-015C	551
MTFR-100	53, 111	N-1	59, 104	PD-430-360C	576, 691	PL-040	42, 688	PVC17G-020	2, 167	P099-020C	551
	491	N-2	59, 104	PD-430-380	576, 691	PL-060	42, 688		694	P099-030C	551
MTFR-150	53, 111	N-3	59, 104	PD-430-380C	576, 691	PL-080	42, 688	PVC17G-030	2, 167	P099-040C	551
	491	N-4	59, 104	PD-430-400	576, 691	PR-100	58, 105		694	P099-060C	551
MTFR-200	53, 111	P-100	58, 105	PD-430-400C	576, 691	PR-101	58, 105	PVC17G-040	2, 167	P099-080C	551
	491	P-101	58, 105	PD-430-420	576, 691	PR-102	58, 105		694	P100-015	515
MTFR-50	53, 111	P-102	58								

Spears Part Number Index



P100-030C	551	P105X-040	516	P119-040	517	P319-030C	553	P333-020	519	P42-090	162
P100-040	515	P105X-040C	552	P119-040C	552	P319-040	518	P333-020C	553	P42-100	162
P100-040C	551	P105X-060	516	P119-060C	552	P319-040C	553	P333-030	519	P42-110	162
P100-060	515	P105X-060C	552	P119-251	517	P319-060CF	553	P333-030C	553	P42-120	162
P100-060C	551	P105X-080	516	P119-422	517	P320-015	518	P333-040	519	P42-140	162
P100-080	515	P105X-080C	552	P122-040	517	P320-015C	553	P333-040C	553	P42-150	162
P100-080C	551	P106-015	516	P123-020	517	P320-020	518	P335-030	523	P42-160	162
P100-100	515	P106-015C	552	P123-020C	552	P320-020C	553	P335-030C	555	P42-180	162
P100-100C	551	P106-020	516	P123-030	517	P320-030	518	P335-040	523	P42-240	162
P100-120	515	P106-020C	552	P123-030C	552	P320-030C	553	P335-040C	555	P428-015	519
P100-120C	551	P106-025	516	P123-040	517	P320-040	518	P400-015	519	P428-015C	554
P100-140	515	P106-030	516	P123R-213	517	P320-040C	553	P400-015C	553	P428-020	519
P100-140C	551	P106-030C	552	P123R-342	517	P321-015	518	P400-020	519	P428-020C	554
P101-015	515	P106-040	516	P130-015	517	P321-015C	553	P400-020C	553	P428-030	519
P101-015C	551	P106-040C	552	P130-015C	552	P321-020	518	P400-030	519	P428-030C	554
P101-020	515	P106-060	516	P130-020	517	P321-020C	553	P400-030C	553	P428-040	519
P101-020C	551	P106-060C	552	P130-020C	552	P321-030	518	P400-040	519	P428-040C	554
P101-030	515	P106-080	516	P130-030	517	P321-030C	553	P400-040C	553	P429-241C	554
P101-030C	551	P106-080C	552	P130-030C	552	P321-040	518	P400-060	519	P429-251	519
P101-040	515	P107-251	516	P130-040	517	P321-040C	553	P400-060C	553	P429-251C	554
P101-040C	551	P107-251C	552	P130-040C	552	P321-060	518	P400-080	519	P429-337	520
P101-060	515	P107-337	516	P130-060	517	P321-060C	553	P400-080C	553	P429-337C	554
P101-060C	551	P107-337C	552	P130-080	517	P321-080	518	P400-100	519	P429-338	520
P102-251	515	P107-338	516	P130-100	517	P321-080C	553	P400-100C	553	P429-338C	554
P102-251C	551	P107-338C	552	P131-015	517	P321-100	518	P400-120	519	P429-419	520
P102-337	515	P107-420	516	P131-020	517	P321-100C	553	P400-120C	553	P429-419C	554
P102-337C	551	P107-420C	552	P131-030	517	P321-120	518	P401-241	519	P429-420	520
P102-338	515	P107-422	516	P131-040	517	P321-120C	553	P401-241C	554	P429-420C	554
P102-338C	551	P107-422C	552	P300-015	517	P323-015	518	P401-251	519	P429-422	520
P102-338E	515	P107-530C	552	P300-015C	552	P323-015C	553	P401-251C	554	P429-422C	554
P102-420	515	P107-532	516	P300-020	517	P323-020	518	P401-257	519	P43-005	162
P102-420C	551	P107-532C	552	P300-020C	552	P323-020C	553	P401-257C	554	P43-020	162
P102-422	515	P107-582	516	P300-030	517	P323-030	518	P401-337	519	P43-025	162
P102-422C	551	P107-582C	552	P300-030C	552	P323-030C	553	P401-337C	554	P43-030	162
P102-530C	551	P107-585	516	P300-040	517	P323-040	518	P401-338	519	P43-035	162
P102-532	515	P107-585C	552	P300-040C	552	P323-040C	553	P401-338C	554	P43-040	162
P102-532C	551	P107-624	516	P300-060	517	P323-060	518	P401-420	519	P43-045	162
P102-582	515	P107-624C	552	P300-060C	552	P323-060C	553	P401-420C	554	P43-050	162
P102-582C	551	P107-626	516	P300-080	517	P323-080	518	P401-422	519	P43-055	162
P102-585	515	P107-628	516	P300-080C	552	P323-080C	553	P401-422C	554	P43-060	162
P102-585C	551	P107-628C	552	P300-100	517	P324-015	518	P401-532	519	P43-070	162
P102-624C	551	P107-666	516	P300-100C	552	P324-015C	553	P401-532C	554	P43-080	162
P102-626	515	P107-668	516	P300-120	517	P324-020	518	P401-582C	554	P43-090	162
P102-626C	551	P107-670	516	P300-120C	552	P324-020C	553	P403-015	519	P43-100	162
P102-628	515	P107-670C	552	P300S-338	517	P324-030	518	P403-015C	519	P43-110	162
P102-628C	551	P108-628	516	P300S-338C	552	P324-030C	553	P403-020	519	P43-120	162
P102-666C	551	P108-668	516	P302-015	517	P324-040	518	P403-020C	554	P439-338	520
P102-668	515	P108X-628	516	P302-015C	552	P324-040C	553	P403-030	519	P439-420	520
P102-668C	551	P108X-668	516	P302-020	517	P324-060	518	P403-030C	554	P441-015	520
P102-670C	551	P109-015	516	P302-020C	552	P324-060C	553	P403-040	519	P441-020	520
P103-015	515	P109-015C	552	P302-030	517	P324-080	518	P403-040C	554	P441-020C	554
P103-020	515	P109-020	516	P302-030C	552	P324-080C	553	P403-060	519	P441-030	520
P103P-015	515	P109-020C	552	P302-040	517	P326-015	518	P403-060C	554	P441-030C	554
P103P-015C	551	P109-030	516	P302-040C	552	P326-015C	553	P403-080	519	P441-040	520
P103P-020	515	P109-030C	552	P302-060	517	P326-020	518	P403-080C	554	P441-040C	554
P103P-020C	551	P109-040	516	P302-060C	553	P326-020C	553	P403-100	519	P441-060	520
P103P-212	515	P109-040C	552	P302-080	517	P326-030	518	P403-100C	554	P441-060C	554
P103R-015	515	P109-060	516	P302-080C	553	P326-030C	553	P403-120	519	P441-080	520
P103X-015	516	P109-060C	552	P302-100	517	P326-040	518	P403-120C	554	P441-080C	554
P103X-020	516	P110-015	516	P302-100C	553	P326-040C	553	P404-241	519	P441-100	520
P103X-212	516	P110-015C	552	P302-120	517	P326-060	518	P404-241C	554	P441-120	520
P104-015	516	P110-020	516	P302-120C	553	P326-060C	553	P404-251	519	P442-251	520
P104-020	516	P110-020C	552	P303-338	517	P326-080	518	P404-251C	554	P442-532	520
P104P-012	516	P110-025	516	P303-338C	553	P326-080C	553	P404-257	519	P442-582	520
P104P-015	516	P110-030	516	P303-420	517	P327-015	518	P404-337	519	P442-585	520
P104P-212	516	P110-030C	552	P303-420C	553	P327-015C	553	P404-337C	554	P442-624	520
P104R-015	516	P110-040	517	P304-015	517	P327-020	518	P404-338	519	P442-626	520
P104R-015C	551	P110-040C	552	P304-015C	553	P327-020C	553	P404-338C	554	P442-628	520
P104X-015	516	P110-060	517	P304-020	517	P327-030	518	P404-420	519	P442-664	520
P104X-015C	552	P110-060C	552	P304-020C	553	P327-030C	553	P404-422	519	P442-666	520
P104X-020	516	P116-015	517	P304-030	517	P327-040	518	P416-337	519	P442-668	520
P104X-212	516	P116-015C	552	P304-030C	553	P327-040C	553	P416-338	519	P442-670	520
P105-015	516	P116-020	517	P304-040	517	P327-241	518	P416-420	519	P444X-015	520
P105-015C	552	P116-020C	552	P304-040C	553	P327-241C	553	P417-337	519	P444X-015C	554
P105-020	516	P116-030	517	P304-060	517	P329-342	518	P417-338	519	P444X-020	520
P105-020C	552	P116-030C	552	P304-060C	553	P330-342	518	P417-420	519	P444X-020C	554
P105-030	516	P116-040	517	P309-015	517	P330X-342	518	P418-337	519	P444X-030	520
P105-030C	552	P116-040C	552	P309-015C	553	P331-015	518	P418-338	519	P444X-030C	554
P105-040	516	P116-060	517	P309-020	518	P331-015C	553	P418-420	519	P444X-040	520
P105-040C	552	P116-060C	552	P309-020C	553	P331-020	518	P42-005	162	P444X-040C	554
P105-060	516	P116-080	517	P309-030	518	P331-020C	553	P42-015	162	P444X-060	520
P105-060C	552	P116-080C	552	P309-030C	553	P331-030	518	P42-020	162	P444X-060C	554
P105-080	516	P117-040	517	P309-040	518	P331-030C	553	P42-025	162	P445-015	520
P105-080C	552	P117-422	517	P309-040C	553	P331-040	518	P42-030	162	P445-015C	554
P105H-040	516	P118-030	517	P309-060	518	P331-040C	553	P42-035	162	P445-020	520
P105H-060	516	P118-040	517	P309-060C	553	P331-060	518	P42-040	162	P445-020C	554
P105X-015	516	P119-015	517	P310-338	518	P331-060C	553	P42-045	162	P445-030	520
P105X-015C	552	P119-015C	552	P319-015	518	P331-080	518	P42-050	162	P445-030C	554
P105X-020	516	P119-020	517	P319-015C	553	P331-100	518	P42-055	162	P445-040	520
P105X-020C	552	P119-020C	552	P319-020	518	P331-120	518	P42-060	162	P445-040C	554
P105X-030	516	P119-030	517	P319-020C	553	P333-015	519	P42-070	162	P445-060	520
P105X-030C	552	P119-030C	552	P319-030	518	P333-015C	553	P42-080	162	P445-060C	554



Spears Part Number Index

P445X-015	520	P507-530C	555	P612-422C	555	RFKS2-040C	377	SAEK-030-120	403, 442	SK-VRK-007	230, 397
P445X-015C	554	P507-532C	555	P612-532	522	RFKS3-005	376		526	SK-VRK-010	230, 397
P445X-020	520	P515-338	521	P612-532C	521	RFKS3-005C	376	SAEK-030-160	403, 442	SK-VRK-015	230, 397
P445X-020C	554	P516-338	522	P700-015	523	RFKS3-007	376		526	SK-VRK-020	230, 397
P445X-030	520	P517-338	522	P700-015C	555	RFKS3-007C	376	SAEK-030-200	403, 442	SK-VRK-025	230, 397
P445X-030C	554	P600-015	522	P700-020	523	RFKS3-010	376		527	SK-VRK-030	230, 397
P445X-040	520	P600-015C	555	P700-020C	555	RFKS3-010C	376	SAEK-030-240	403, 442	SK-VRK-040	230, 397
P445X-040C	554	P600-020	522	P700-030	523	RFKS3-012	376		527	SK-VRK-060	230, 397
P445X-060	520	P600-020C	555	P700-030C	555	RFKS3-012C	376	SAEK-030-360	403, 442	SK-VRK-080	230, 397
P445X-060C	554	P600-030	522	P700-040	523	RFKS3-015	376		527	SNK-005	378
P447-337	520	P600-030C	555	P700-040C	555	RFKS3-015C	376	SAEK-030-480	403, 442	SNK-005C	378
P448-030	520	P600-040	522	P700-060	523	RFKS3-020	376		527	SNK-007	378
P448-040	520	P600-040C	555	P700-060C	555	RFKS3-020C	376	SAEK-040-120	403, 442	SNK-007C	378
P500-020	521	P600-060	522	P700-080	523	RFKS3-025	376		527	SNK-010	378
P500-020C	554	P600-060C	555	P700-080C	555	RFKS3-025C	377	SAEK-040-160	403, 442	SNK-010C	378
P500-030	521	P600-080	522	P704P-015	523	RFKS3-030	376		527	SNK-012	378
P500-030C	554	P600-080C	555	P704P-015C	555	RFKS3-030C	377	SAEK-040-200	403, 442	SNK-012C	378
P500-241	521	P600-100	522	P704X-015	523	RFKS3-040	376		527	SNK-015	378
P500-241C	554	P600-100C	555	P705-015C	555	RFKS3-040C	377	SAEK-040-240	403, 442	SNK-015C	378
P500-251	521	P600-120	522	P705-020C	555	RFK2-005	376		527	SNK-020	378
P500-251C	554	P600-120C	555	P705-030C	555	RFK2-005C	376	SAEK-040-360	404, 443	SNK-020C	378
P500-338	521	P601-241	522	P705-040C	555	RFK2-007	376		527	SNK-030	378
P500-338C	554	P601-241C	555	P705R-015C	555	RFK2-007C	376	SAEK-040-480	404, 443	SNK-030C	378
P501-015	521	P601-251	522	P705R-020C	555	RFK2-010	376		527	SNK-040	378
P501-015C	554	P601-251C	555	P705R-030C	555	RFK2-010C	376	SAEK-060-120	404, 443	SNK-040C	378
P501-020	521	P601-257	522	P705R-040C	555	RFK2-012	376		527	SSS4-040	252, 507
P501-020C	554	P601-337	522	P706X-015	523	RFK2-012C	376	SAEK-060-160	404, 443	SSS4-060	252, 507
P501-030	521	P601-337C	555	P706X-015C	555	RFK2-015	376		527	SSS4-080	252, 507
P501-030C	554	P601-338	522	P706X-020	523	RFK2-015C	376	SAEK-060-200	404, 443	SSS4-100	252, 507
P501-040	521	P601-338C	555	P706X-020C	555	RFK2-020	376		527	SSS4-120	252, 507
P501-040C	554	P601-419	522	P706X-030	523	RFK2-020C	376	SAEK-060-240	404, 443	SS23BS4SG-040	252, 507
P502-251	521	P601-419C	555	P706X-030C	555	RFK2-025	376		527	SS23BS4SG-060	252, 507
P502-251C	554	P601-420	522	P706X-040	523	RFK2-025C	376	SAEK-060-360	404, 443	SS23BS4SG-080	252, 507
P502-337	521	P601-420C	555	P706X-040C	555	RFK2-030	376		527	SS23BS4SG-100	252, 507
P502-337C	554	P601-422	522	P706X-060	523	RFK2-030C	376	SAEK-060-480	404, 443	SS23BS4SG-120	252, 507
P502-338	521	P601-422C	555	P706X-060C	555	RFK2-040	376		527	SS23BS4SG-420	252, 507
P502-338C	554	P601-528	522	P706X-080	523	RFK2-040C	376	SB75-005	343, 692	SS23BS4SG-421	252, 507
P502-420	521	P601-528C	555	P706X-080C	556	RFK3-005	376		711	SS23BS4SG-422	252, 507
P502-420C	554	P601-530	522	P706X-100	523	RFK3-005C	376	SB75-010	343, 692	SS23BS4SG-532	252, 507
P502-422	521	P601-530C	555	P706X-100C	556	RFK3-007	376		711	SS23BS4SG-582	252, 507
P502-422C	554	P601-532	522	P706X-120	523	RFK3-007C	376	SB75-020	343, 692	SS23BS4SG-585	252, 507
P502-578C	554	P601-532C	555	P706X-120C	556	RFK3-010	376		711	SS23BS4SG-626	252, 507
P503-030	521	P601-578	522	P707X-015	523	RFK3-010C	376	SB75-030	343, 692	SS23BS4SG-628	252, 507
P503-040	521	P601-580C	555	P707X-015C	556	RFK3-012	376		711	SS23BS4SG-668	252, 507
P503-060	521	P601-582	522	P708P-015	523	RFK3-012C	376	SC-1	425	SS23BS4SG-670	252, 507
P503-060C	554	P601-582C	555	P708P-015C	556	RFK3-015	376	SDC-040	441, 525	ST105-035	68, 98
P503-080	521	P601-585	522	P708P-020	523	RFK3-015C	376	SDCP-040	441, 525	ST107-035	68, 98
P503-080C	554	P601-585C	555	P708P-020C	556	RFK3-020	376	SE-BRK-005	383	ST110-040	68, 98
P503-100	521	P601-624	522	P711P-015	523	RFK3-020C	376	SE-BRK-007	383	ST1101-005	68, 98
P503-100C	554	P601-624C	555	P711P-015C	556	RFK3-025	376	SE-BRK-010	383	ST1101-007	68, 98
P503-120	521	P601-626	522	P711P-169	523	RFK3-025C	376	SE-BRK-015	383	ST1101-010	68, 98
P504-241C	554	P601-626C	555	P711X-015	523	RFK3-030	376	SE-BRK-020	383	ST1101-011	68, 98
P504-422	521	P601-628	522	P712-015C	556	RFK3-030C	376	SE-BRK-030	383	ST1102-005	68, 98
P504-528C	554	P601-628C	555	P712P-015C	556	RFK3-040	376	SE-BRK-040	383	ST1102-007	68, 98
P504-530	521	P601-661C	555	P720-015C	556	RFK3-040C	376	SE-ERK-005	383	ST1102-010	68, 98
P504-530C	554	P601-663C	555	P720-020C	556	RM-64	59, 104	SE-ERK-007	383	ST1105	67, 97
P504-532	521	P601-664	522	P720-030C	556	RM-66	59, 104	SE-ERK-010	383	ST1107	67, 97
P504-532C	554	P601-664C	555	P720-040C	556	RM-66-H	59, 104	SE-ERK-015	383	ST1110	67, 97
P504-580	521	P601-666	522	P800-040	523	RSK-005	379	SE-ERK-020	383	ST1205	67, 97
P504-582	521	P601-666C	555	P800-422	523	RSK-007	379	SE-ERK-030	383	ST1207	67, 97
P504-582C	555	P601-668	522	P800G-040	523	RSK-010	379	SE-ERK-040	383	ST1210	67, 97
P504-585	521	P601-668C	555	P800KO-422	523	RSK-012	379	SE-VRK-005	383	ST1305	67, 97
P504-585C	555	P601-670	522	P800S-422	523	RSK-015	380	SE-VRK-007	383	ST1307	67, 97
P504-623	521	P601-670C	555	P801-422	523	RSK-020	380	SE-VRK-010	383	ST1310	67, 97
P504-623C	555	P602-015	522	P811-040	523	RSK-030	380	SE-VRK-015	383	ST207-065	69, 99
P504-624	521	P602-020	522	P811-422	523	RSK-040	380	SE-VRK-020	383	ST207-105	69, 99
P504-624C	555	P602-030	522	P811KO-422	523	RSK2-005	379	SE-VRK-030	383	ST210-065	69, 99
P504-626	521	P602-040	522	P812-040	523	RSK2-007	379	SE-VRK-040	383	ST210-105	69, 99
P504-626C	555	P603-251	522	P812-422	523	RSK2-010	379	SH-120	424	ST408-005	69, 99
P504-628	521	P603-420	522	P813-422	523	RSK2-012	379	SH118-05	46, 514	ST408-007	69, 99
P504-628C	555	P603-422	522	P815-040	523	RSK2-015	380	SH118-07	46, 514	ST408-010	69, 99
P504-664	521	P611-015	522	P815KO-040	524	RSK2-020	380	SH118-07CO	711	ST4105	67, 97
P504-664C	555	P611-015C	555	P820-422	524	RSK2-030	380	SH118-10	46, 514	ST4107	67, 97
P504-666	521	P611-020	522	RF-64	59, 104	RSK2-040	380	SH118-10CO	711	ST4110	67, 97
P504-668	521	P611-020C	555	RF-66	59, 104	RSK2-060	380	SH118-12	46, 514	ST412-005	69, 99
P504-668C	555	P611-030	522	RFKS2-005	376	R4235-101	340, 710	SH118-15	46, 514	ST412-007	69, 99
P504-670	521	P611-030C	555	RFKS2-005C	376	R4235-101SR	339, 710	SH118-20	46, 514	ST412-010	69, 99
P504-670C	555	P611-040	522	RFKS2-007	376	S-HC-1	58, 104	SH119-05	46, 514	ST4205	67, 97
P507-015	521	P611-040C	555	RFKS2-007C	376	S-W	56, 114	SH119-07	46, 514	ST4207	67, 97
P507-020	521	P611-060	522	RFKS2-010	376		490	SH119-10	46, 514	ST4210	67, 97
P507-020C	555	P611-060C	555	RFKS2-010C	376	SAEK-020-120	403, 442	SH119-12	46, 514	ST425-005	68, 98
P507-030	521	P611S-030	522	RFKS2-012	376		526	SH119-15	46, 514	ST425-007	68, 98
P507-030C	555	P612-241C	555	RFKS2-012C	376	SAEK-020-160	403, 442	SH119-20	46, 514	ST425-010	68, 98
P507-040	521	P612-251	522	RFKS2-015	376		526	SK-ERK-007	230, 397	ST430-007	68, 98
P507-040C	555	P612-251C	555	RFKS2-015C	376	SAEK-020-200	403, 442	SK-ERK-010	230, 397	ST430-010	68, 98
P507-060C	555	P612-337	522	RFKS2-020	376		526	SK-ERK-015	230, 397	ST4305	67, 97
P507-251	521	P612-337C	555	RFKS2-020C	376	SAEK-020-240	403, 442	SK-ERK-020	230, 397	ST4307	67, 97
P507-338	521	P612-338	522	RFKS2-025	376		526	SK-ERK-025	230, 397	ST4310	67, 97
P507-338C	555	P612-338C	555	RFKS2-025C	377	SAEK-020-360	403, 442	SK-ERK-030	230, 397	ST436-005	68, 98
P507-420	521	P612-420	522	RFKS2-030	376		526	SK-ERK-040	230, 397	ST436-007	68, 98
P507-422	521	P612-420C	555	RFKS2-030C	377	SAEK-020-480	403, 442	SK-ERK-060	230, 397	ST436-010	68, 98
P507-422C	555	P612-422	522	RFKS2-040	376		526	SK-ERK-080	230, 397	ST5_-100	65, 95

Spears Part Number Index



ST5_-208	66, 96	S110-05	47	S119V-15G	512	S1520C40	80, 398	S1720C07F	80, 399		526
ST5_-212	66, 96	S110-07	47	S119V-20G	512	S1520C40F	80, 398	S1720C07FSR	80, 399	S275P-240	403, 442
ST5_-215	66, 96	S110-10	47	S119V-25G	512	S1520C40FSR	80, 398	S1720C10	80, 399		526
ST5_-219	66, 96	S110-12	47	S119V-30G	512	S1520C60	80, 398	S1720C10F	80, 399	S275P-360	403, 442
ST5_-400	65, 95	S110-15	47	S119V-40G	512	S1520C60F	80, 398	S1720C10FSR	80, 399		526
ST5_-408	66, 96	S110-20	47	S119V-60G	512	S1520C60FSR	80, 398	S1720C12	80, 399	S275P-480	403, 442
ST5_-412	66, 96	S110-25	47	S130-05	49	S1520C80	80, 398	S1720C12F	80, 399		526
ST5_-415	66, 96	S110-30	47	S130-07	49	S1580-05	81, 400	S1720C12FSR	80, 399	S375MA-090	404, 443
ST5_-419	66, 96	S110-40	47	S130-10	49	S1580-05F	81, 400	S1720C15	80, 399		528
ST57_-208	66, 96	S110-60	47	S130-12	49	S1580-05FSR	81, 400	S1720C15F	80, 399	S375P	403, 442
ST57_-212	66, 96	S110E-05G	47, 207	S130-15	49	S1580-07	81, 400	S1720C15FSR	80, 399		526
ST57_-215	66, 96	S110E-07G	47, 207	S130-20	49	S1580-07F	81, 400	S1720C20	80, 399	S375P-AK	404, 443
ST57_-219	66, 96	S110E-10G	47, 207	S1400-15	407, 446	S1580-07FSR	81, 400	S1720C20F	80, 399		527
ST57_-408	66, 96	S110E-12G	47, 207	S1500-05	81, 399	S1580-10	81, 400	S1720C20FSR	80, 399	S375P-ECK	404, 443
ST57_-412	66, 96	S110E-15G	47, 207	S1500-07	81, 399	S1580-10F	81, 400	S1720C25	80, 399		527
ST57_-415	66, 96	S110E-20G	47, 207	S1500-10	81, 399	S1580-10FSR	81, 400	S1720C25F	80, 399	S375P-FRK	404, 443
ST57_-419	66, 96	S110E-25G	47, 207	S1500-12	81, 399	S1580-12	81, 400	S1720C25FSR	80, 399		527
ST7_-100	65, 95	S110E-30G	47, 207	S1500-15	81, 399	S1580-12F	81, 400	S1720C30	80, 399	S375P-120	403, 442
ST7_-208	66, 96	S110E-40G	47, 207	S1500-20	81, 399	S1580-12FSR	81, 400	S1720C30F	80, 399		526
ST7_-212	66, 96	S110E-60G	47, 207	S1500-25	81, 399	S1580-15	81, 400	S1720C30FSR	80, 399	S375P-160	403, 442
ST7_-215	66, 96	S1100-07	82, 231	S1500-30	81, 399	S1580-15F	81, 400	S1720C40	80, 399		526
ST7_-219	66, 96		402	S1500-40	81, 399	S1580-15FSR	81, 400	S1720C40F	80, 399	S375P-200	403, 442
ST7_-400	65, 95	S1101-05	82, 231	S1500C05	81, 399	S1580-20	81, 400	S1720C40FSR	80, 399		526
ST7_-408	66, 96		402	S1500C07	81, 399	S1580-20F	81, 400	S1780-05	82, 401	S375P-240	403, 442
ST7_-412	66, 96	S1102-05	82, 231	S1500C10	81, 399	S1580-20FSR	81, 400	S1780-05F	82, 401		526
ST7_-415	66, 96		402	S1500C12	81, 399	S1580-25	81, 400	S1780-05FSR	82, 401	S375P-360	403, 442
ST7_-419	66, 96	S1102-05-07	82, 231	S1500C15	81, 399	S1580-25F	81, 400	S1780-07	82, 401		526
ST73PR-208	68, 98		402	S1500C20	81, 399	S1580-25FSR	81, 400	S1780-07F	82, 401	S375P-480	403, 442
ST73PR-212	68, 98	S1102-07	82, 231	S1500C25	81, 399	S1580-30	81, 400	S1780-07FSR	82, 401		526
ST73PR-215	68, 98		402	S1500C30	81, 399	S1580-30F	81, 400	S1780-10	82, 401	S401-249	31
ST73PR-219	68, 98	S1102-10	82, 231	S1500C40	81, 399	S1580-30FSR	81, 400	S1780-10F	82, 401	S401-251	31
ST73PR-408	68, 98		402	S1520-05	80, 398	S1580-40	81, 400	S1780-10FSR	82, 401	S427-020	31
ST73PR-412	68, 98	S118-05	45, 512	S1520-05F	80, 398	S1580-40F	81, 400	S1780-12	82, 401	S475MA-110	404, 405
ST73PR-415	68, 98	S118-07	45, 512	S1520-05FSR	80, 398	S1580-40FSR	81, 400	S1780-12F	82, 401		443, 444
ST73PR-419	68, 98	S118-10	45, 512	S1520-07	80, 398	S1580C05	81, 400	S1780-12FSR	82, 401		528
ST75_-208	66, 96	S118-12	45, 512	S1520-07F	80, 398	S1580C05F	81, 400	S1780-15	82, 401	S475P	403, 442
ST75_-212	66, 96	S118-15	45, 512	S1520-07FSR	80, 398	S1580C05FSR	81, 400	S1780-15F	82, 401		526
ST75_-215	66, 96	S118-20	45, 512	S1520-10	80, 398	S1580C07	81, 400	S1780-15FSR	82, 401	S475P-AK	404, 443
ST75_-219	66, 96	S118-25	45, 512	S1520-10CO	712	S1580C07F	81, 400	S1780-20	82, 401		527
ST75_-408	66, 96	S118-30	45, 512	S1520-10F	80, 398	S1580C07FSR	81, 400	S1780-20F	82, 401	S475P-ECK	404, 443
ST75_-412	66, 96	S118-40	45, 512	S1520-10FSR	80, 398	S1580C10	81, 400	S1780-20FSR	82, 401		527
ST75_-415	66, 96	S118-60	45, 512	S1520-10FSRSCO	712	S1580C10F	81, 400	S1780-25	82, 401	S475P-FRK	404, 443
ST75_-419	66, 96	S118E-05G	512	S1520-12	80, 398	S1580C10FSR	81, 400	S1780-25F	82, 401		527
ST9_-100	65, 95	S118E-07G	512	S1520-12CO	712	S1580C12	81, 400	S1780-25FSR	82, 401	S475P-120	403, 442
ST9_-208	66, 96	S118E-10G	512	S1520-12F	80, 398	S1580C12F	81, 400	S1780-30	82, 401		526
ST9_-212	66, 96	S118E-12G	512	S1520-12FSR	80, 398	S1580C12FSR	81, 400	S1780-30F	82, 401	S475P-160	403, 442
ST9_-215	66, 96	S118E-15G	512	S1520-12FSRSCO	712	S1580C15	81, 400	S1780-30FSR	82, 401		526
ST9_-219	66, 96	S118E-20G	512	S1520-15	80, 398	S1580C15F	81, 400	S1780-40	82, 401	S475P-200	403, 442
ST9_-400	65, 95	S118E-25G	512	S1520-15CO	712	S1580C15FSR	81, 400	S1780-40F	82, 401		526
ST9_-408	66, 96	S118E-30G	512	S1520-15F	80, 398	S1580C20	81, 400	S1780-40FSR	82, 401	S475P-240	403, 442
ST9_-412	66, 96	S118E-40G	512	S1520-15FSR	80, 398	S1580C20F	81, 400	S1780C05	82, 401		526
ST9_-415	66, 96	S118E-60G	512	S1520-15FSRSCO	712	S1580C20FSR	81, 400	S1780C05F	82, 401	S475P-360	403, 442
ST9_-419	66, 96	S118V-05G	512	S1520-20	80, 398	S1580C25	81, 400	S1780C05FSR	82, 401		526
ST93PR-208	68, 98	S118V-07G	512	S1520-20F	80, 398	S1580C25F	81, 400	S1780C07	82, 401	S475P-480	403, 442
ST93PR-212	68, 98	S118V-10G	512	S1520-20FSR	80, 398	S1580C25FSR	81, 400	S1780C07F	82, 401		526
ST93PR-215	68, 98	S118V-12G	512	S1520-25	80, 398	S1580C30	81, 400	S1780C07FSR	82, 401	S675MA-160	404, 405
ST93PR-219	68, 98	S118V-15G	512	S1520-25F	80, 398	S1580C30F	81, 400	S1780C10	82, 401		443, 444
ST93PR-408	68, 98	S118V-20G	512	S1520-25FSR	80, 398	S1580C30FSR	81, 400	S1780C10F	82, 401		528
ST93PR-412	68, 98	S118V-25G	512	S1520-30	80, 398	S1580C40	81, 400	S1780C10FSR	82, 401	S675P	403, 442
ST93PR-415	68, 98	S118V-30G	512	S1520-30F	80, 398	S1580C40F	81, 400	S1780C12	82, 401		526
ST93PR-419	68, 98	S118V-40G	512	S1520-30FSR	80, 398	S1580C40FSR	81, 400	S1780C12F	82, 401	S675P-AK	404, 443
S0301-05	44	S118V-60G	512	S1520-40	80, 398	S1720-05	80, 398	S1780C12FSR	82, 401		527
S0301-07	44	S119-05	45, 512	S1520-40F	80, 398	S1720-05F	80, 398	S1780C15	82, 401	S675P-ECK	404, 443
S0301-10	44	S119-07	45, 512	S1520-40FSR	80, 398	S1720-05FSR	80, 398	S1780C15F	82, 401		527
S0301-12	44	S119-10	45, 512	S1520-60	80, 398	S1720-07	80, 398	S1780C15FSR	82, 401	S675P-FRK	404, 443
S0301-15	44	S119-12	45, 512	S1520-60F	80, 398	S1720-07F	80, 398	S1780C20	82, 401		527
S0301-20	44	S119-15	45, 512	S1520-60FSR	80, 398	S1720-07FSR	80, 398	S1780C20F	82, 401	S675P-120	403, 442
S0301-25	44		524	S1520-80	80, 398	S1720-10	80, 399	S1780C20FSR	82, 401		526
S0301-30	44	S119-20	45, 512	S1520C05	80, 398	S1720-10F	80, 399	S1780C25	82, 401	S675P-160	403, 442
S0301-40	44		524	S1520C05F	80, 398	S1720-10FSR	80, 399	S1780C25F	82, 401		526
S0302-10	44	S119-25	45, 512	S1520C05FSR	80, 398	S1720-12	80, 399	S1780C25FSR	82, 401	S675P-200	403, 442
S0302-15	44		524	S1520C07	80, 398	S1720-12F	80, 399	S1780C30	82, 401		526
S0302-20	44	S119-30	45, 512	S1520C07F	80, 398	S1720-12FSR	80, 399	S1780C30F	82, 401	S675P-240	403, 442
S0302-30	44		524	S1520C07FSR	80, 398	S1720-15	80, 399	S1780C30FSR	82, 401		526
S0302-40	44	S119-40	45, 512	S1520C10	80, 398	S1720-15F	80, 399	S1780C40	82, 401	S675P-360	403, 442
S0303-15	44		524	S1520C10F	80, 398	S1720-15FSR	80, 399	S1780C40F	82, 401		526
S0303-20	44	S119-60	45, 512	S1520C10FSR	80, 398	S1720-20	80, 399	S1780C40FSR	82, 401	S675P-480	403, 442
S0304-10	44		524	S1520C12	80, 398	S1720-20F	80, 399	S275MA-063	404, 443		526
S0304-12	44	S119E-05G	512	S1520C12F	80, 398	S1720-20FSR	80, 399		528	S854-020	71, 203
S0304-15	44	S119E-07G	512	S1520C12FSR	80, 398	S1720-25	80, 399	S275P	403, 442	S854-030	71, 203
S0304-20	44	S119E-10G	512	S1520C15	80, 398	S1720-25F	80, 399		526	S854-030C	284
S0801-100F	207	S119E-12G	512	S1520C15F	80, 398	S1720-25FSR	80, 399	S275P-AK	404, 443	S854-040	71, 203
S0801-120F	207	S119E-15G	512	S1520C15FSR	80, 398	S1720-30	80, 399		527	S854-040C	284
S0801-140F	207	S119E-20G	512	S1520C20	80, 398	S1720-30F	80, 399	S275P-ECK	404, 443	S854-060	71, 203
S0801-160F	207	S119E-25G	512	S1520C20F	80, 398	S1720-30FSR	80, 399		527	S854-060C	284
S0801-180F	207	S119E-30G	512	S1520C20FSR	80, 398	S1720-40	80, 399	S275P-FRK	404, 443	S854-080	71, 203
S0801-20F	207	S119E-40G	512	S1520C25	80, 398	S1720-40F	80, 399		527	S854-080C	284
S0801-25F	207	S119E-60G	512	S1520C25F	80, 398	S1720-40FSR	80, 399	S275P-120	403, 442	S854-100	71, 203
S0											



Spears Part Number Index

TAW-002	200, 283	TFR3-100	243, 496	TUAK-015	381	TU3-ERK-030	382	VBA20-C015-B040	602	VBC2-C015-G040	604
TAW-003	200, 283	TFR3-100C	319, 497	TUAK-020	381	TU3-ERK-040	382	VBA20-C015-C040	602	VBC2-C020-A040	604
TAW-005	200, 283	TFR3-150	243, 496	TUAK-030	381	TU3-VRK-005	382	VBA20-C015-G040	602	VBC2-C020-B040	604
	548	TFR3-150C	319, 497	TUAK-040	381	TU3-VRK-007	382	VBA20-C020-A040	602	VBC2-C020-C040	604
TAW-007	200, 283	TFR3-200	243, 496	TUAK1-005	381	TU3-VRK-010	382	VBA20-C020-B040	602	VBC2-C020-G040	604
	548	TFR3-200C	319, 497	TUAK1-007	381	TU3-VRK-012	382	VBA20-C020-C040	602	VBC3-A005-A020	603
TAW-010	200, 283	TFR3-50	243, 496	TUAK1-010	381	TU3-VRK-015	382	VBA20-C020-G040	602	VBC3-A005-G020	603
	548	TFR3-50C	319, 497	TUAK1-012	381	TU3-VRK-020	382	VBA30-A005-A020	601	VBC3-A007-A030	603
TAW-012	200, 283	TFR3-76	243, 496	TUAK1-015	381	TU3-VRK-030	382	VBA30-A005-G020	601	VBC3-A007-G030	603
	548	TFR3-76C	319, 497	TUAK1-020	381	TU3-VRK-040	382	VBA30-A007-A030	601	VBC3-A010-A030	603
TAW-015	200, 283	TF2-100	243, 496	TUAK1-030	381	T20051414B	561	VBA30-A007-G030	601	VBC3-A010-G030	603
	548	TF2-100C	319, 496	TUAK1-040	381	T20052424B	561	VBA30-A010-A030	601	VBC3-A015-A040	603
TAW-020	200, 283	TF2-150	243, 496	TUAK2-005	382	T20151414B	561	VBA30-A010-G030	601	VBC3-A015-G040	603
	548	TF2-150C	319, 496	TUAK2-007	382	T20152424B	561	VBA30-A015-A040	601	VBC3-A020-A040	603
TAW-025	200, 283	TF2-16	243, 496	TUAK2-010	382	T20303434B	561	VBA30-A015-G040	601	VBC3-A020-G040	603
TAW-030	200, 283		496, 496	TUAK2-012	382	T20554444B	561	VBA30-A020-A040	601	VBC3-B005-A020	603
	548	TF2-16C	319, 319	TUAK2-015	382	T21004444B	561	VBA30-A020-G040	601	VBC3-B005-G020	603
TAW-040	200, 283		496, 497	TUAK2-020	382	T212C4444B	561	VBA30-B005-A020	601	VBC3-B005-B020	603
	548	TF2-200	243, 496	TUAK2-030	382	T212C6363B	561	VBA30-B005-B020	601	VBC3-B007-A030	603
TAW1-002	200, 283	TF2-200C	319, 496	TUAK2-040	382	T21504444B	561	VBA30-B005-G020	601	VBC3-B007-B030	603
TAW1-003	200, 283	TF2-32	243, 496	TUAK3-005	382	T21754444B	561	VBA30-B007-A030	601	VBC3-B007-G030	603
TAW1-005	200, 283		496, 496	TUAK3-007	382	T220C4444B	561	VBA30-B007-B030	601	VBC3-B010-A030	603
	548	TF2-32C	319, 319	TUAK3-010	382	T220C6363B	561	VBA30-B007-G030	601	VBC3-B010-B030	603
TAW1-007	200, 283		496, 497	TUAK3-012	382	T22004444B	561	VBA30-B010-A030	601	VBC3-B010-G030	603
	548	TF2-50	243, 496	TUAK3-015	382	T22754444B	561	VBA30-B010-B030	601	VBC3-B015-A040	603
TAW1-010	200, 283	TF2-50C	319, 496	TUAK3-020	382	T22756363B	561	VBA30-B010-G030	601	VBC3-B015-B040	603
	548	TF2-76	243, 496	TUAK3-030	382	T230C4444B	561	VBA30-B015-A040	601	VBC3-B015-G040	603
TAW1-012	200, 283	TF2-76C	319, 496	TUAK3-040	382	T230C6363B	561	VBA30-B015-B040	601	VBC3-B020-A040	603
	548	TF3-100	243, 496	TUMB-005	380	T23004444B	561	VBA30-B015-G040	601	VBC3-B020-B040	604
TAW1-015	200, 283	TF3-100C	319, 496	TUMB-007	380	T23006363B	561	VBA30-B020-A040	601	VBC3-B020-G040	603
	548	TF3-150	243, 496	TUMB-010	380	T23504444B	561	VBA30-B020-B040	602	VBC3-C005-A020	604
TAW1-020	200, 283	TF3-150C	319, 496	TUMB-012	380	T23506363B	561	VBA30-B020-G040	601	VBC3-C005-B020	604
	548	TF3-16	243, 496	TUMB-015	380	T25004444B	561	VBA30-C005-A020	602	VBC3-C005-C020	604
TAW1-025	200, 283		496, 496	TUMB-020	380	T25006363B	561	VBA30-C005-B020	602	VBC3-C005-G020	604
TAW1-030	200, 283	TF3-16C	319, 319	TUMB-030	380	T25504444B	561	VBA30-C005-C020	602	VBC3-C007-A030	604
	548		496, 497	TUMB-040	380	T25506363B	561	VBA30-C005-G020	602	VBC3-C007-B030	604
TAW1-040	200, 283	TF3-200	243, 496	TUMB2-005	380	T26504444B	561	VBA30-C007-A030	602	VBC3-C007-C030	604
	548	TF3-200C	319, 496	TUMB2-007	380	T26506363B	561	VBA30-C007-B030	602	VBC3-C007-G030	604
TAW2-002	200, 283	TF3-32	243, 496	TUMB2-010	380	T3001G1515	563	VBA30-C007-C030	602	VBC3-C010-A030	604
TAW2-003	200, 283		496, 496	TUMB2-012	380	T3001P1515	563	VBA30-C007-G030	602	VBC3-C010-B030	604
TAW2-005	200, 283	TF3-32C	319, 319	TUMB2-015	380	T30051212A	562	VBA30-C010-A030	602	VBC3-C010-C030	604
	548		496, 497	TUMB2-020	380	T30051212B	562	VBA30-C010-B030	602	VBC3-C010-G030	604
TAW2-007	200, 283	TF3-50	243, 496	TUMB2-030	380	T30052222A	562	VBA30-C010-C030	602	VBC3-C015-A040	604
	548	TF3-50C	319, 496	TUMB2-040	380	T30052222B	562	VBA30-C010-G030	602	VBC3-C015-B040	604
TAW2-010	200, 283	TF3-76	243, 496	TU1-ERK-005	382	T30151212A	562	VBA30-C015-A040	602	VBC3-C015-C040	604
	548	TF3-76C	319, 496	TU1-ERK-007	382	T30151212B	562	VBA30-C015-B040	602	VBC3-C015-G040	604
TAW2-012	200, 283	TL-112	60, 106	TU1-ERK-010	382	T30152222A	562	VBA30-C015-C040	602	VBC3-C020-A040	604
	548	TL-112-1	60, 106	TU1-ERK-012	382	T30152222B	562	VBA30-C015-G040	602	VBC3-C020-B040	604
TAW2-015	200, 283	TL-116-1	60, 106	TU1-ERK-015	382	T30303232A	562	VBA30-C020-A040	602	VBC3-C020-C040	604
	548	TL-120-1	60, 106	TU1-ERK-020	382	T30303232B	562	VBA30-C020-B040	602	VBC3-C020-G040	604
TAW2-020	200, 283	TL-123	60, 106	TU1-ERK-030	382	T30554242A	562	VBA30-C020-C040	602	VBD20-A005-A020	605
	548	TL-123-1	60, 106	TU1-ERK-040	382	T30554242B	562	VBA30-C020-G040	602	VBD20-A005-G020	605
TAW2-025	200, 283	TRAN94G-005	698	TU1-VRK-005	382	T4001G1612	564	VBC2-A005-A020	603	VBD20-A007-A030	605
TAW2-030	200, 283	TRAN94G-010	698	TU1-VRK-007	382	T4001P1612	564	VBC2-A005-G020	603	VBD20-A007-G030	605
	548	TRAN94G-020	698	TU1-VRK-010	382	VBA20-A005-A020	601	VBC2-A007-A030	603	VBD20-A010-A030	605
TAW2-040	283, 548	TRAN94G-030	698	TU1-VRK-012	382	VBA20-A005-G020	601	VBC2-A007-G030	603	VBD20-A010-G030	605
TF-100	53, 111	TRAN94G-040	698	TU1-VRK-015	382	VBA20-A007-A030	601	VBC2-A010-A030	603	VBD20-A015-A040	605
	491	TSK-00503	378	TU1-VRK-020	382	VBA20-A007-G030	601	VBC2-A010-G030	603	VBD20-A015-G040	605
TF-150	53, 111	TSK-00703	378	TU1-VRK-030	382	VBA20-A010-A030	601	VBC2-A015-A040	603	VBD20-A020-A040	605
	491	TSK-01003	378	TU1-VRK-040	382	VBA20-A010-G030	601	VBC2-A015-G040	603	VBD20-A020-G040	605
TF-16	53, 53	TSK-01203	378	TU2-ERK-005	382	VBA20-A015-A040	601	VBC2-A020-A040	603	VBD20-B005-A020	605
	111, 111	TSK-01503	378	TU2-ERK-007	382	VBA20-A015-G040	601	VBC2-A020-G040	603	VBD20-B005-B020	605
	491, 491	TSK-02003	378	TU2-ERK-010	382	VBA20-A020-A040	601	VBC2-B005-A020	603	VBD20-B005-G020	605
TF-200	53, 111	TSK-03003	378, 378	TU2-ERK-012	382	VBA20-A020-G040	601	VBC2-B005-B020	603	VBD20-B007-A030	605
	491	TSK-04003	378, 378	TU2-ERK-015	382	VBA20-B005-A020	601	VBC2-B005-G020	603	VBD20-B007-B030	605
TF-32	53, 53	TSK-06003	378, 378	TU2-ERK-020	382	VBA20-B005-B020	601	VBC2-B007-A030	603	VBD20-B007-G030	605
	111, 111	TSK1-00503	378	TU2-ERK-030	382	VBA20-B005-G020	601	VBC2-B007-B030	603	VBD20-B010-A030	605
	491, 491	TSK1-00703	378	TU2-ERK-040	382	VBA20-B007-A030	601	VBC2-B007-G030	603	VBD20-B010-B030	605
TF-50	53, 111	TSK1-01003	378	TU2-ERK-060	382	VBA20-B007-B030	601	VBC2-B010-A030	603	VBD20-B010-G030	605
	491	TSK1-01203	378	TU2-VRK-005	382	VBA20-B007-G030	601	VBC2-B010-B030	603	VBD20-B015-A040	605
TF-76	53, 111	TSK1-01503	378	TU2-VRK-007	382	VBA20-B010-A030	601	VBC2-B010-G030	603	VBD20-B015-B040	605
	491	TSK1-02003	378	TU2-VRK-010	382	VBA20-B010-B030	601	VBC2-B015-A040	603	VBD20-B015-G040	605
TFR-100	53, 111	TU-ERK-005	383	TU2-VRK-012	382	VBA20-B010-G030	601	VBC2-B015-B040	603	VBD20-B020-A040	605
	491	TU-ERK-007	383	TU2-VRK-015	382	VBA20-B015-A040	601	VBC2-B015-G040	603	VBD20-B020-B040	605
TFR-150	53, 111	TU-ERK-010	383	TU2-VRK-020	382	VBA20-B015-B040	601	VBC2-B020-A040	603	VBD20-B020-G040	605
	491	TU-ERK-012	383	TU2-VRK-030	382	VBA20-B015-G040	601	VBC2-B020-B040	604	VBD20-C005-A020	606
TFR-200	53, 111	TU-ERK-015	383	TU2-VRK-040	382	VBA20-B020-A040	601	VBC2-B020-G040	603	VBD20-C005-B020	606
	491	TU-ERK-020	383	TU2-VRK-060	382	VBA20-B020-B040	602	VBC2-C005-A020	604	VBD20-C005-C020	606
TFR-50	53, 111	TU-ERK-030	383	TU2LR-005	380	VBA20-B020-G040	601	VBC2-C005-G020	604	VBD20-C005-G020	606
	491	TU-ERK-040	383	TU2LR-007	380	VBA20-C005-A020	602	VBC2-C005-C020	604	VBD20-C007-A030	606
TFR-76	53, 111	TU-VRK-005	383	TU2LR-010	380	VBA20-C005-B020	602	VBC2-C005-G020	604	VBD20-C007-B030	606
	491	TU-VRK-007	383	TU2LR-012	380	VBA20-C005-C020	602	VBC2-C007-A030	604	VBD20-C007-C030	606
TFR2-100	243, 496	TU-VRK-010	383	TU2LR-015	380	VBA20-C005-G020	602	VBC2-C007-B030	604	VBD20-C007-G030	606
TFR2-100C	319, 497	TU-VRK-012	383	TU2LR-020	380	VBA20-C007-A030	602	VBC2-C007-C030	604	VBD20-C010-A030	606
TFR2-150	243, 496	TU-VRK-015	383	TU2LR-030	380	VBA20-C007-B030	602	VBC2-C007-G030	604	VBD20-C010-B030	606
TFR2-150C	319, 497	TU-VRK-020	383	TU2LR-040	380	VBA20-C007-G030	602	VBC2-C010-A030	604	VBD20-C010-C030	606
TFR2-200	243, 496	TU-VRK-030	383	TU3-ERK-005	382	VBA20-C007-G030	602	VBC2-C010-B030	604	VBD20-C010-G030	606
TFR2-200C	319, 497	TU-VRK-040	383	TU3-ERK-007	382	VBA20-C010-A030	602	VBC2-C010-C030	604	VBD20-C015-A040	606
TFR2-50	243, 496	TUAK-005	381	TU3-ERK-010	382	VBA20-C010-B030	602	VBC2-C010-G030	604	VBD20-C015-B040	606
TFR2-50C	319, 497	TUAK-007	381	TU3-ERK-012	382	VBA20-C010-C030	602	VBC2-C015-A040	604	VBD20-C015-C040	606
TFR2-76	243, 496	TUAK-010	381	TU3-ERK-015	382	VBA20-C010-G030	602	VBC2-C			

Spears Part Number Index



VBD20-C020-B040	606	WBHK2-030	423	YS2BC8-010C	323, 502	YS21C8-005CSR	322, 500	YS22S8-030CL	246, 499	YS3AS8-020C	322, 502
VBD20-C020-C040	606	WBHK2-040	423	YS2BC8-010CSR	323, 503	YS21C8-007CSR	322, 500	YS22S8-040	246, 498	YS3AS8-020CL	248, 501
VBD20-C020-G040	606	WBHK2-060	423	YS2BC8-012C	323, 502	YS21C8-010CSR	322, 500	YS22S8-040C	246, 498	YS3AS8-030	247, 501
VBD30-A005-A020	605	WBHK2-080	423	YS2BC8-012CSR	323, 503	YS21C8-012CSR	322, 500	YS22S8-040CL	246, 499	YS3AS8-030C	322, 502
VBD30-A005-G020	605	WBHK2-100	423	YS2BC8-015C	323, 502	YS21C8-015CSR	322, 500	YS23C8-005C	322, 500	YS3AS8-030CL	248, 501
VBD30-A007-A030	605	WBHK2-120	423	YS2BC8-015CSR	323, 503	YS21C8-020CSR	322, 500	YS23C8-007C	322, 500	YS3AS8-040	247, 501
VBD30-A007-G030	605	W4235-101SR	339, 709	YS2BC8-020C	323, 502	YS21C8-030CSR	322, 500	YS23C8-010C	322, 500	YS3AS8-040C	323, 502
VBD30-A010-A030	605	W4235-130SR	339, 709	YS2BC8-020CSR	323, 503	YS21C8-040CSR	322, 500	YS23C8-012C	322, 500	YS3AS8-040CL	248, 501
VBD30-A010-G030	605	YC-ERK-005	392	YS2BC8-030C	323, 502	YS21P8-005CLSR	247, 499	YS23C8-015C	322, 500	YS3BC8-005C	323, 502
VBD30-A015-A040	605	YC-ERK-007	392	YS2BC8-030CSR	323, 503	YS21P8-005SR	246, 498	YS23C8-020C	322, 500	YS3BC8-005CSR	323, 503
VBD30-A015-G040	605	YC-ERK-010	392	YS2BC8-040C	323, 502	YS21P8-007CLSR	247, 499	YS23C8-030C	322, 500	YS3BC8-007C	323, 502
VBD30-A020-A040	605	YC-ERK-012	392	YS2BC8-040CSR	323, 503	YS21P8-007SR	246, 498	YS23C8-040C	322, 500	YS3BC8-007CSR	323, 503
VBD30-A020-G040	605	YC-ERK-015	392	YS2BP8-005	247, 501	YS21P8-010CLSR	247, 499	YS23P8-005	246, 499	YS3BC8-010C	323, 502
VBD30-B005-A020	605	YC-ERK-020	392	YS2BP8-005CL	248, 502	YS21P8-010SR	246, 498	YS23P8-005CL	247, 499	YS3BC8-010CSR	323, 503
VBD30-B005-B020	605	YC-ERK-030	392	YS2BP8-005CLSR	248, 502	YS21P8-012CLSR	247, 499	YS23P8-007	246, 499	YS3BC8-012C	323, 502
VBD30-B005-G020	605	YC-ERK-040	392	YS2BP8-005SR	248, 501	YS21P8-012SR	246, 498	YS23P8-007CL	247, 499	YS3BC8-012CSR	323, 503
VBD30-B007-A030	605	YC-URK-005	392	YS2BP8-007	247, 501	YS21P8-015CLSR	247, 499	YS23P8-010	246, 499	YS3BC8-015C	323, 502
VBD30-B007-B030	605	YC-URK-007	392	YS2BP8-007CL	248, 502	YS21P8-015SR	246, 498	YS23P8-010CL	247, 499	YS3BC8-015CSR	323, 503
VBD30-B007-G030	605	YC-URK-010	392	YS2BP8-007CLSR	248, 502	YS21P8-020CLSR	247, 499	YS23P8-012	246, 499	YS3BC8-020C	323, 502
VBD30-B010-A030	605	YC-URK-012	392	YS2BP8-007SR	248, 501	YS21P8-020SR	246, 498	YS23P8-012CL	247, 499	YS3BC8-020CSR	323, 503
VBD30-B010-B030	605	YC-URK-015	392	YS2BP8-010	247, 501	YS21P8-030CLSR	247, 499	YS23P8-015	246, 499	YS3BC8-030C	323, 502
VBD30-B010-G030	605	YC-URK-020	392	YS2BP8-010CL	248, 502	YS21P8-030SR	246, 498	YS23P8-015CL	247, 500	YS3BC8-030CSR	323, 503
VBD30-B015-A040	605	YC-URK-030	392	YS2BP8-010CLSR	248, 502	YS21P8-040CLSR	247, 499	YS23P8-020	246, 499	YS3BC8-040C	323, 502
VBD30-B015-B040	605	YC-URK-040	392	YS2BP8-010SR	248, 501	YS21P8-040SR	246, 498	YS23P8-020CL	247, 500	YS3BC8-040CSR	323, 503
VBD30-B015-G040	605	YC-URK-005	392	YS2BP8-012	247, 501	YS21S8-005CLSR	247, 499	YS23P8-030	246, 499	YS3BP8-005	247, 501
VBD30-B020-A040	605	YC-URK-007	392	YS2BP8-012CL	248, 502	YS21S8-005CSR	322, 500	YS23P8-030CL	247, 500	YS3BP8-005CL	248, 502
VBD30-B020-B040	605	YC-URK-010	392	YS2BP8-012CLSR	248, 502	YS21S8-005SR	246, 498	YS23P8-040	246, 499	YS3BP8-005CSR	248, 502
VBD30-B020-G040	605	YC-URK-012	392	YS2BP8-012SR	248, 501	YS21S8-007CLSR	247, 499	YS23P8-040CL	247, 500	YS3BP8-005SR	248, 501
VBD30-C005-A020	606	YC-URK-015	392	YS2BP8-015	247, 501	YS21S8-007CSR	322, 500	YS23S8-005	246, 499	YS3BP8-007	247, 501
VBD30-C005-B020	606	YC-URK-020	392	YS2BP8-015CL	248, 502	YS21S8-007SR	246, 498	YS23S8-005C	322, 500	YS3BP8-007CL	248, 502
VBD30-C005-C020	606	YC-URK-030	392	YS2BP8-015CLSR	248, 502	YS21S8-010CLSR	247, 499	YS23S8-005CL	247, 499	YS3BP8-007CSR	248, 502
VBD30-C005-G020	606	YC-URK-040	392	YS2BP8-015SR	248, 501	YS21S8-010CSR	322, 500	YS23S8-007	246, 499	YS3BP8-007SR	248, 501
VBD30-C007-A030	606	YC-VRK-005	392	YS2BP8-020	247, 501	YS21S8-010SR	246, 498	YS23S8-007C	322, 500	YS3BP8-010	247, 501
VBD30-C007-B030	606	YC-VRK-007	392	YS2BP8-020CL	248, 502	YS21S8-012CLSR	247, 499	YS23S8-007CL	247, 499	YS3BP8-010CL	248, 502
VBD30-C007-C030	606	YC-VRK-010	392	YS2BP8-020CLSR	249, 502	YS21S8-012CSR	322, 500	YS23S8-010	246, 499	YS3BP8-010CLSR	248, 502
VBD30-C007-G030	606	YC-VRK-012	392	YS2BP8-020SR	248, 501	YS21S8-012SR	246, 498	YS23S8-010C	322, 500	YS3BP8-010SR	248, 501
VBD30-C010-A030	606	YC-VRK-015	392	YS2BP8-030	247, 501	YS21S8-015CLSR	247, 499	YS23S8-010CL	247, 499	YS3BP8-012	247, 501
VBD30-C010-B030	606	YC-VRK-020	392	YS2BP8-030CL	248, 502	YS21S8-015CSR	322, 500	YS23S8-012	246, 499	YS3BP8-012CL	248, 502
VBD30-C010-C030	606	YC-VRK-030	392	YS2BP8-030CLSR	249, 502	YS21S8-015SR	246, 498	YS23S8-012C	322, 500	YS3BP8-012CLSR	248, 502
VBD30-C010-G030	606	YC-VRK-040	392	YS2BP8-030SR	248, 501	YS21S8-020CLSR	247, 499	YS23S8-012CL	247, 499	YS3BP8-012SR	248, 501
VBD30-C015-A040	606	YS2AC8-005C	322, 502	YS2BP8-040	248, 501	YS21S8-020CSR	322, 500	YS23S8-015	246, 499	YS3BP8-015	247, 501
VBD30-C015-B040	606	YS2AC8-007C	322, 502	YS2BP8-040CL	249, 502	YS21S8-020SR	246, 498	YS23S8-015C	322, 500	YS3BP8-015CL	248, 502
VBD30-C015-G040	606	YS2AC8-010C	322, 502	YS2BP8-040CLSR	249, 502	YS21S8-030CLSR	247, 499	YS23S8-015CL	247, 500	YS3BP8-015CSR	248, 502
VBD30-C015-A040	606	YS2AC8-012C	322, 502	YS2BP8-040SR	248, 501	YS21S8-030CSR	322, 500	YS23S8-020	246, 499	YS3BP8-015SR	248, 501
VBD30-C020-A040	606	YS2AC8-015C	322, 502	YS2BS8-005	247, 501	YS21S8-030SR	246, 499	YS23S8-020C	322, 500	YS3BP8-020	247, 501
VBD30-C020-B040	606	YS2AC8-020C	322, 502	YS2BS8-005C	323, 502	YS21S8-040CLSR	247, 499	YS23S8-020CL	247, 500	YS3BP8-020CL	248, 502
VBD30-C020-C040	606	YS2AC8-030C	322, 502	YS2BS8-005CL	248, 502	YS21S8-040CSR	322, 500	YS23S8-030	246, 499	YS3BP8-020CLSR	249, 502
VBD30-C020-G040	606	YS2AC8-040C	323, 502	YS2BS8-005CLSR	248, 502	YS21S8-040SR	246, 499	YS23S8-030C	322, 500	YS3BP8-020CSR	248, 501
VT-025-040	378	YS2AP8-005	247, 500	YS2BS8-005CSR	323, 503	YS22C8-005C	322, 500	YS23S8-030CL	247, 500	YS3BP8-030	247, 501
VTC18R	565	YS2AP8-005CL	248, 501	YS2BS8-005SR	248, 501	YS22C8-007C	322, 500	YS23S8-040	246, 499	YS3BP8-030CL	248, 502
VTC24S	565	YS2AP8-007	247, 500	YS2BS8-007	247, 501	YS22C8-010C	322, 500	YS23S8-040C	322, 500	YS3BP8-030CLSR	249, 502
VTC30R	565	YS2AP8-007CL	248, 501	YS2BS8-007C	323, 502	YS22C8-012C	322, 500	YS23S8-040CL	247, 500	YS3BP8-030SR	248, 501
VTC30S	565	YS2AP8-010	247, 501	YS2BS8-007CL	248, 502	YS22C8-015C	322, 500	YS3AC8-005C	322, 502	YS3BP8-040	248, 501
VTC36R	565	YS2AP8-010CL	248, 501	YS2BS8-007CLSR	248, 502	YS22C8-020C	322, 500	YS3AC8-007C	322, 502	YS3BP8-040CL	248, 502
VTC36S	565	YS2AP8-012	247, 501	YS2BS8-007CSR	323, 503	YS22C8-030C	322, 500	YS3AC8-010C	322, 502	YS3BP8-040CLSR	249, 502
VTC42R	565	YS2AP8-012CL	248, 501	YS2BS8-007SR	248, 501	YS22C8-040C	322, 500	YS3AC8-012C	322, 502	YS3BP8-040SR	248, 501
VTC42S	565	YS2AP8-015	247, 501	YS2BS8-010	247, 501	YS22P8-005	246, 498	YS3AC8-015C	322, 502	YS3BS8-005	247, 501
VTC48R	565	YS2AP8-015CL	248, 501	YS2BS8-010C	323, 502	YS22P8-005CL	246, 499	YS3AC8-020C	322, 502	YS3BS8-005C	323, 502
VTC48S	565	YS2AP8-020	247, 501	YS2BS8-010CL	248, 502	YS22P8-007	246, 498	YS3AC8-030C	322, 502	YS3BS8-005CL	248, 502
VTC54R	565	YS2AP8-020CL	248, 501	YS2BS8-010CLSR	248, 502	YS22P8-007CL	246, 499	YS3AC8-040C	323, 502	YS3BS8-005CSR	248, 502
VTC54S	565	YS2AP8-030	247, 501	YS2BS8-010CSR	323, 503	YS22P8-010	246, 498	YS3AP8-005	247, 500	YS3BS8-005CSR	323, 503
VTC60R	565	YS2AP8-030CL	248, 501	YS2BS8-010SR	248, 501	YS22P8-010CL	246, 499	YS3AP8-005CL	248, 501	YS3BS8-005SR	248, 501
VTC60S	565	YS2AP8-040	247, 501	YS2BS8-012	247, 501	YS22P8-012	246, 498	YS3AP8-007	247, 500	YS3BS8-007	247, 501
VTN-030	380	YS2AP8-040CL	248, 501	YS2BS8-012C	323, 502	YS22P8-012CL	246, 499	YS3AP8-007CL	248, 501	YS3BS8-007C	323, 502
VTN-040	380	YS2AS8-005	247, 500	YS2BS8-012CL	248, 502	YS22P8-015	246, 498	YS3AP8-010	247, 501	YS3BS8-007CL	248, 502
VTN2-005	380	YS2AS8-005C	322, 502	YS2BS8-012CLSR	248, 502	YS22P8-015CL	246, 499	YS3AP8-010CL	248, 501	YS3BS8-007CSR	248, 502
VTN2-007	380	YS2AS8-005CL	248, 501	YS2BS8-012CSR	323, 503	YS22P8-020	246, 498	YS3AP8-012	247, 501	YS3BS8-007CSR	323, 503
VTN2-010	380	YS2AS8-007	247, 500	YS2BS8-012SR	248, 501	YS22P8-020CL	246, 499	YS3AP8-012CL	248, 501	YS3BS8-007SR	248, 501
VTN2-012	380	YS2AS8-007C	322, 502	YS2BS8-015	247, 501	YS22P8-030	246, 498	YS3AP8-015	247, 501	YS3BS8-010	247, 501
VTN2-015	380	YS2AS8-007CL	248, 501	YS2BS8-015C	323, 502	YS22P8-030CL	246, 499	YS3AP8-015CL	248, 501	YS3BS8-010C	323, 502
VTN2-020	380	YS2AS8-010	247, 501	YS2BS8-015CL	248, 502	YS22P8-040	246, 498	YS3AP8-020	247, 500	YS3BS8-010CL	248, 502
VTN2-030	380	YS2AS8-010C	322, 502	YS2BS8-015CLSR	248, 502	YS22P8-040CL	246, 499	YS3AP8-020CL	248, 501	YS3BS8-010CLSR	248, 502
VTN2-040	380	YS2AS8-010CL	248, 501	YS2BS8-015CSR	323, 503	YS22S8-005	246, 498	YS3AP8-030	247, 501	YS3BS8-010CSR	323, 503
W-100	56, 57, 103, 114	YS2AS8-012	247, 501	YS2BS8-015SR	248, 501	YS22S8-005C	322, 500	YS3AP8-030CL	248, 501	YS3BS8-010SR	248, 501
		YS2AS8-012C	322, 502	YS2BS8-020	247, 501	YS22S8-005CL	246, 499	YS3AP8-040	247, 501	YS3BS8-012	247, 501
		YS2AS8-012CL	248, 501	YS2BS8-020C	323, 502	YS22S8-007	246, 498	YS3AP8-040CL	248, 501	YS3BS8-012C	323, 502
W-101	57, 103	YS2AS8-015	247, 501	YS2BS8-020CL	248, 502	YS22S8-007C	322, 500	YS3AS8-005	2		



Spears Part Number Index

YS3BS8-030	247, 501	YS32S8-010CL	246, 499	YV-UERK-030	440	1401-247	156	1416-130	157	1436-169	159
YS3BS8-030C	323, 502	YS32S8-012	246, 498	YV-UERK-030C	440	1401-248	156	1416-131	157	1436-204	159
YS3BS8-030CL	248, 502	YS32S8-012C	322, 500	YV-UERK-040	440	1401-249	156	1420-005	157	1436-204P	159
YS3BS8-030CLSR	249, 502	YS32S8-012CL	246, 499	YV-UERK-040C	440	1401-250	156	1420-007	157	1436-211	159
YS3BS8-030CSR	323, 503	YS32S8-015	246, 498	YV-UVRK-005	440	1401-251	156	1420-010	157	1436-212	159
YS3BS8-030SR	248, 501	YS32S8-015C	322, 500	YV-UVRK-005C	440	1401-335	156	1429-003	156	1436-213	159
YS3BS8-040	248, 501	YS32S8-015CL	246, 499	YV-UVRK-007	440	1401-338	156	1429-005	157	1436-251	159
YS3BS8-040C	323, 502	YS32S8-020	246, 498	YV-UVRK-007C	440	1402-005	156	1429-005A	57, 103	1449-005	159
YS3BS8-040CL	248, 502	YS32S8-020C	322, 500	YV-UVRK-010	440	1402-007	156	1429-007	157	1449-007	159
YS3BS8-040CLSR	249, 502	YS32S8-020CL	246, 499	YV-UVRK-010C	440	1402-010	156	1429-010	157	1449-010	159
YS3BS8-040CSR	323, 503	YS32S8-030	246, 498	YV-UVRK-012	440	1402-012	156	1429-012	157	1449-012	159
YS3BS8-040SR	248, 501	YS32S8-030C	322, 500	YV-UVRK-012C	440	1402-015	156	1429-015	157	1449-015	159
YS31C8-005CSR	322, 500	YS32S8-030CL	246, 499	YV-UVRK-015	440	1402-020	156	1429-020	157	1449-020	159
YS31C8-007CSR	322, 500	YS32S8-040	246, 498	YV-UVRK-015C	440	1402-094	156	1429-025	157	1521-002	223, 372
YS31C8-010CSR	322, 500	YS32S8-040C	322, 500	YV-UVRK-020	440	1402-101	156	1429-030	157		567
YS31C8-012CSR	322, 500	YS32S8-040CL	246, 499	YV-UVRK-020C	440	1402-124	156	1429-040	157	1521-002C	302, 372
YS31C8-015CSR	322, 500	YS33C8-005C	322, 500	YV-UVRK-030	440	1402-125	156	1429-060	158		567
YS31C8-020CSR	322, 500	YS33C8-007C	322, 500	YV-UVRK-030C	440	1402-130	156	1429-080	158	1521-003	223, 372
YS31C8-030CSR	322, 500	YS33C8-010C	322, 500	YV-UVRK-040	440	1402-131	156	1429-099	156		567
YS31C8-040CSR	322, 500	YS33C8-012C	322, 500	YV-UVRK-040C	440	1402-156	156	1429-101	158	1521-003C	302, 372
YS31P8-005CLSR	247, 499	YS33C8-015C	322, 500	YV-VRK-005	440	1402-157	156	1429-129	156		567
YS31P8-005SR	246, 498	YS33C8-020C	322, 500	YV-VRK-005C	440	1402-166	156	1429-130	158	1522-002	223, 372
YS31P8-007CLSR	247, 499	YS33C8-030C	322, 500	YV-VRK-007	440	1402-167	156	1429-131	158		567
YS31P8-007SR	246, 498	YS33C8-040C	322, 500	YV-VRK-007C	440	1402-168	156	1429-1315	158	1522-002C	302, 372
YS31P8-010CLSR	247, 499	YS33P8-005	246, 499	YV-VRK-010	440	1402-199	156	1429-167	158		567
YS31P8-010SR	246, 498	YS33P8-005CL	247, 499	YV-VRK-010C	440	1402-201	156	1429-168	158	1522-003	223, 372
YS31P8-012CLSR	247, 499	YS33P8-007	246, 499	YV-VRK-012	440	1402-202	156	1429-210	158		567
YS31P8-012SR	246, 498	YS33P8-007CL	247, 499	YV-VRK-012C	440	1402-209	156	1429-211	158	1522-003C	302, 372
YS31P8-015CLSR	247, 499	YS33P8-010	246, 499	YV-VRK-015	440	1402-210	156	1429-212	158		567
YS31P8-015SR	246, 498	YS33P8-010CL	247, 499	YV-VRK-015C	440	1402-211	156	1429-249	158	1529-002	223, 372
YS31P8-020CLSR	247, 499	YS33P8-012	246, 499	YV-VRK-020	440	1402-212	156	1429-250	158		567
YS31P8-020SR	246, 498	YS33P8-012CL	247, 499	YV-VRK-020C	440	1402-247	156	1429-251	158	1529-002A	223, 372
YS31P8-030CLSR	247, 499	YS33P8-015	246, 499	YV-VRK-030	440	1402-248	156	1429-291	158		567
YS31P8-030SR	246, 499	YS33P8-015CL	247, 500	YV-VRK-030C	440	1402-249	156	1429-338	158	1529-002C	302, 372
YS31P8-040CLSR	247, 499	YS33P8-020	246, 499	YV-VRK-040	440	1402-251	156	1429-422	158		567
YS31P8-040SR	246, 499	YS33P8-020CL	247, 500	YV-VRK-040C	440	1403-005	157	1429-532	158	1529-002CA	302, 372
YS31S8-005CLSR	247, 499	YS33P8-030	246, 499	Z4235-101SR	339, 709	1403-007	157	1429TL-005	156		567
YS31S8-005CSR	322, 500	YS33P8-030CL	247, 500	1102-007	7, 57	1403-010	157	1429TL-007	156	1531-002	223, 372
YS31S8-005SR	246, 498	YS33P8-040	246, 499		103	1403-012	157	1429TL-010	156		567
YS31S8-007CLSR	247, 499	YS33P8-040CL	247, 500	1102-130	7, 57	1403-015	157	1432-060	17, 158	1531-002C	302, 372
YS31S8-007CSR	322, 500	YS33S8-005	246, 499		103	1403-020	157	1432-080	17, 158		567
YS31S8-007SR	246, 498	YS33S8-005C	322, 500	1102-248	7	1403-130	157	1435-005	158	1531-003	223, 372
YS31S8-010CLSR	247, 499	YS33S8-005CL	247, 499	1102-250	7, 57	1403-131	157	1435-005C	158		567
YS31S8-010CSR	322, 500	YS33S8-007	246, 499		103	1404-010	157	1435-005SR	158	1531-003C	302, 372
YS31S8-010SR	246, 498	YS33S8-007C	322, 500	12501-100	154, 647	1404-102	157	1435-007	158		567
YS31S8-012CLSR	247, 499	YS33S8-007CL	247, 499	12501-120	154, 647	1406-005	157	1435-007C	158	1532-002	223, 372
YS31S8-012CSR	322, 500	YS33S8-010	246, 499	12506-100	154, 647	1406-007	157	1435-007FHT	159		567
YS31S8-012SR	246, 498	YS33S8-010C	322, 500	12506-120	154, 647	1406-010	157	1435-007SR	158	1532-002C	302, 372
YS31S8-015CLSR	247, 499	YS33S8-010CL	247, 499	12517-100	154, 647	1406-012	157	1435-010	158		567
YS31S8-015CSR	322, 500	YS33S8-012	246, 499	12517-120	154, 647	1406-015	157	1435-010C	158	1532-003	223, 372
YS31S8-015SR	246, 498	YS33S8-012C	322, 500	12529-100	154, 647	1406-020	157	1435-010SR	158		567
YS31S8-020CLSR	247, 499	YS33S8-012CL	247, 499	12529-120	154, 647	1406-025	157	1435-012	158	1532-003C	302, 372
YS31S8-020CSR	322, 500	YS33S8-015	246, 499	12529-626	154, 647	1406-040	157	1435-012C	158		567
YS31S8-020SR	246, 498	YS33S8-015C	322, 500	12529-628	154, 647	1406-101	157	1435-015	158	1539-002	223, 372
YS31S8-030CLSR	247, 499	YS33S8-015CL	247, 500	12529-668	154, 647	1406-131	157	1435-015C	158		567
YS31S8-030CSR	322, 500	YS33S8-020	246, 499	12529-670	154, 647	1406-168	157	1435-020	158	1539-002A	223, 372
YS31S8-030SR	246, 499	YS33S8-020C	322, 500	12537-626	154, 647	1406-212	157	1435-020C	158		567
YS31S8-040CLSR	247, 499	YS33S8-020CL	247, 500	12537-628	154, 647	1406-251	157	1435-074	158	1539-002C	302, 372
YS31S8-040CSR	322, 500	YS33S8-030	246, 499	12537-668	154, 647	1407-005	157	1435-102	158		567
YS31S8-040SR	246, 499	YS33S8-030C	322, 500	12537-670	154, 647	1407-007	157	1436-005	158	1539-002CA	302, 372
YS32C8-005C	322, 500	YS33S8-030CL	247, 500	1401-003	156	1407-010	157	1436-005A	57, 103		567
YS32C8-007C	322, 500	YS33S8-040	246, 499	1401-005	156	1407-012	157	1436-005C	159	162A-005	227, 390
YS32C8-010C	322, 500	YS33S8-040C	322, 500	1401-007	156	1407-015	157	1436-007	158	162A-005C	305, 391
YS32C8-012C	322, 500	YS33S8-040CL	247, 500	1401-010	156	1407-020	157	1436-007C	159	162A-005CL	227, 391
YS32C8-015C	322, 500	YV-ERK-005	440	1401-012	156	1407-074	157	1436-007MHT	159	162A-007	227, 390
YS32C8-020C	322, 500	YV-ERK-005C	440	1401-015	156	1407-101	157	1436-010	158	162A-007C	305, 391
YS32C8-030C	322, 500	YV-ERK-007	440	1401-020	156	1407-130	157	1436-010C	159	162A-007CL	227, 391
YS32C8-040C	322, 500	YV-ERK-007C	440	1401-074	156	1407-131	157	1436-012	158	162A-010	227, 390
YS32P8-005	246, 498	YV-ERK-010	440	1401-094	156	1407-166	157	1436-012C	159	162A-010C	305, 391
YS32P8-005CL	246, 499	YV-ERK-010C	440	1401-099	156	1407-167	157	1436-015	158	162A-010CL	227, 391
YS32P8-007	246, 498	YV-ERK-012	440	1401-101	156	1407-168	157	1436-015C	159	162A-012	227, 390
YS32P8-007CL	246, 499	YV-ERK-012C	440	1401-102	156	1407-211	157	1436-020	158	162A-012C	305, 391
YS32P8-010	246, 498	YV-ERK-015	440	1401-124	156	1407-212	157	1436-020C	159	162A-012CL	227, 391
YS32P8-010CL	246, 499	YV-ERK-015C	440	1401-125	156	1407-251	157	1436-025	158	162A-015	227, 390
YS32P8-012	246, 498	YV-ERK-020	440	1401-129	156	1413-005	157	1436-030	158	162A-015C	305, 391
YS32P8-012CL	246, 499	YV-ERK-020C	440	1401-130	156	1413-007	157	1436-030C	159	162A-015CL	227, 391
YS32P8-015	246, 498	YV-ERK-030	440	1401-131	156	1413-010	157	1436-040	158	162A-020	227, 390
YS32P8-015CL	246, 499	YV-ERK-030C	440	1401-132	156	1413-012	157	1436-040C	159	162A-020C	305, 391
YS32P8-020	246, 498	YV-ERK-040	440	1401-156	156	1413-015	157	1436-060	158	162A-020CL	227, 391
YS32P8-020CL	246, 499	YV-ERK-040C	440	1401-157	156	1413-015H	157	1436-073	156	162A-030	227, 390
YS32P8-030	246, 498	YV-URK-005	440	1401-158	156	1413-020	157	1436-074	159	162A-030C	305, 391
YS32P8-030CL	246, 499	YV-URK-005C	440	1401-166	156	1413-055	157	1436-075	159	162A-030CL	227, 391
YS32P8-040	246, 498	YV-URK-007	440	1401-167	156	1413-073	156	1436-099	156	162A-040	227, 390
YS32P8-040CL	246, 499	YV-URK-007C	440	1401-168	156	1413-099	156	1436-101	159	162A-040C	305, 391
YS32S8-005	246, 498	YV-URK-010	440	1401-201	156	1413-101	157	14			

Spears Part Number Index



162B-007C	305, 391	1623-007	226, 389	163B-040SR	227, 391	172A-030C	318, 439	1722-020	241, 437	173B-020SR	242, 438
162B-007CL	227, 391	1623-007C	305, 390	1631-005CLSR	227, 390	172A-030CL	242, 438	1722-020C	318, 438	173B-030	242, 438
162B-007CLSR	228, 391	1623-007CL	227, 390	1631-005CSR	305, 390	172A-040	242, 438	1722-020CL	241, 437	173B-030C	218, 439
162B-007CSR	305, 391	1623-010	226, 389	1631-005SR	226, 389	172A-040C	318, 439	1722-030	241, 437	173B-030CL	242, 438
162B-007SR	227, 391	1623-010C	305, 390	1631-007CLSR	227, 390	172A-040CL	242, 438	1722-030C	318, 438	173B-030CLSR	242, 439
162B-010	227, 391	1623-010CL	227, 390	1631-007CSR	305, 390	172B-005	242, 438	1722-030CL	241, 437	173B-030CSR	318, 439
162B-010C	305, 391	1623-012	226, 389	1631-007SR	226, 389	172B-005C	318, 439	1722-040	241, 437	173B-030SR	242, 438
162B-010CL	227, 391	1623-012C	305, 390	1631-010CLSR	227, 390	172B-005CL	242, 438	1722-040C	318, 438	173B-040	242, 438
162B-010CLSR	228, 391	1623-012CL	227, 390	1631-010CSR	305, 390	172B-005CLSR	242, 439	1722-040CL	241, 437	173B-040C	318, 439
162B-010CSR	305, 391	1623-015	226, 389	1631-010SR	226, 389	172B-005CSR	318, 439	1723-005	241, 437	173B-040CL	242, 438
162B-010SR	227, 391	1623-015C	305, 390	1631-012CLSR	227, 390	172B-005SR	242, 438	1723-005C	318, 438	173B-040CLSR	242, 439
162B-012	227, 391	1623-015CL	227, 390	1631-012CSR	305, 390	172B-007	242, 438	1723-005CL	241, 437	173B-040CSR	318, 439
162B-012C	305, 391	1623-020	226, 389	1631-012SR	226, 389	172B-007C	318, 439	1723-007	241, 437	173B-040SR	242, 438
162B-012CL	227, 391	1623-020C	305, 390	1631-015CLSR	227, 390	172B-007CL	242, 438	1723-007C	318, 438	1731-005CLSR	241, 437
162B-012CLSR	228, 391	1623-020CL	227, 390	1631-015CSR	305, 390	172B-007CLSR	242, 439	1723-007CL	241, 437	1731-005CSR	318, 438
162B-012CSR	305, 391	1623-030	226, 390	1631-015SR	226, 389	172B-007CSR	318, 439	1723-010	241, 437	1731-005SR	241, 437
162B-012SR	227, 391	1623-030C	305, 390	1631-020CLSR	227, 390	172B-007SR	242, 438	1723-010C	318, 438	1731-007CLSR	241, 437
162B-015	227, 391	1623-030CL	227, 390	1631-020CSR	305, 390	172B-010	242, 438	1723-010CL	241, 437	1731-007CSR	318, 438
162B-015C	305, 391	1623-040	226, 390	1631-020SR	226, 389	172B-010C	318, 439	1723-012	241, 437	1731-007SR	241, 437
162B-015CL	227, 391	1623-040C	305, 390	1631-030CLSR	227, 390	172B-010CL	242, 438	1723-012C	318, 438	1731-010CLSR	241, 437
162B-015CLSR	228, 391	1623-040CL	227, 390	1631-030CSR	305, 390	172B-010CLSR	242, 439	1723-012CL	241, 437	1731-010CSR	318, 438
162B-015CSR	305, 391	163A-005	227, 390	1631-030SR	226, 389	172B-010CSR	318, 439	1723-015	241, 437	1731-010SR	241, 437
162B-015SR	227, 391	163A-005C	305, 391	1631-040CLSR	227, 390	172B-010SR	242, 438	1723-015C	318, 438	1731-012CLSR	241, 437
162B-020	227, 391	163A-005CL	227, 391	1631-040CSR	305, 390	172B-012	242, 438	1723-015CL	241, 437	1731-012CSR	318, 438
162B-020C	305, 391	163A-007	227, 390	1631-040SR	226, 389	172B-012C	318, 439	1723-020	241, 437	1731-012SR	241, 437
162B-020CL	227, 391	163A-007C	305, 391	1632-005	226, 389	172B-012CL	242, 438	1723-020C	318, 438	1731-015CLSR	241, 437
162B-020CLSR	228, 391	163A-007CL	227, 391	1632-005C	305, 390	172B-012CLSR	242, 439	1723-020CL	241, 437	1731-015CSR	318, 438
162B-020CSR	305, 391	163A-010	227, 390	1632-005CL	227, 390	172B-012CSR	318, 439	1723-030	241, 437	1731-015SR	241, 437
162B-020SR	227, 391	163A-010C	305, 391	1632-007	226, 389	172B-012SR	242, 438	1723-030C	318, 438	1731-020CLSR	241, 437
162B-030	227, 391	163A-010CL	227, 391	1632-007C	305, 390	172B-015	242, 438	1723-030CL	241, 437	1731-020CSR	318, 438
162B-030C	305, 391	163A-012	227, 390	1632-007CL	227, 390	172B-015C	318, 439	1723-040	241, 437	1731-020SR	241, 437
162B-030CL	227, 391	163A-012C	305, 391	1632-010	226, 389	172B-015CL	242, 438	1723-040C	318, 438	1731-030CLSR	241, 437
162B-030CLSR	228, 391	163A-012CL	227, 391	1632-010C	305, 390	172B-015CLSR	242, 439	1723-040CL	241, 437	1731-030CSR	318, 438
162B-030CSR	305, 391	163A-015	227, 390	1632-010CL	227, 390	172B-015CSR	318, 439	173A-005	242, 438	1731-030SR	241, 437
162B-030SR	227, 391	163A-015C	305, 391	1632-012	226, 389	172B-015SR	242, 438	173A-005C	318, 439	1731-040CLSR	241, 437
162B-040	227, 391	163A-015CL	227, 391	1632-012C	305, 390	172B-020	242, 438	173A-005CL	242, 438	1731-040CSR	318, 438
162B-040C	305, 391	163A-020	227, 390	1632-012CL	227, 390	172B-020C	318, 439	173A-007	242, 438	1731-040SR	241, 437
162B-040CL	227, 391	163A-020C	305, 391	1632-015	226, 389	172B-020CL	242, 438	173A-007C	318, 439	1732-005	241, 437
162B-040CLSR	228, 391	163A-020CL	227, 391	1632-015C	305, 390	172B-020CLSR	242, 439	173A-007CL	242, 438	1732-005C	318, 438
162B-040CSR	305, 391	163A-030	227, 390	1632-015CL	227, 390	172B-020CSR	318, 439	173A-010	242, 438	1732-005CL	241, 437
162B-040SR	227, 391	163A-030C	305, 391	1632-020	226, 389	172B-020SR	242, 438	173A-010C	318, 439	1732-007	241, 437
1621-005CLSR	227, 390	163A-030CL	227, 391	1632-020C	305, 390	172B-030	242, 438	173A-010CL	242, 438	1732-007C	318, 438
1621-005CSR	305, 390	163A-040	227, 390	1632-020CL	227, 390	172B-030C	318, 439	173A-012	242, 438	1732-007CL	241, 437
1621-005SR	226, 389	163A-040C	305, 391	1632-030	226, 389	172B-030CL	242, 438	173A-012C	318, 439	1732-010	241, 437
1621-007CLSR	227, 390	163A-040CL	227, 391	1632-030C	305, 390	172B-030CLSR	242, 439	173A-012CL	242, 438	1732-010C	318, 438
1621-007CSR	305, 390	163B-005	227, 390	1632-030CL	227, 390	172B-030CSR	318, 439	173A-015	242, 438	1732-010CL	241, 437
1621-007SR	226, 389	163B-005C	305, 391	1632-040	226, 389	172B-030SR	242, 438	173A-015C	318, 439	1732-012	241, 437
1621-010CLSR	227, 390	163B-005CL	227, 391	1632-040C	305, 390	172B-040	242, 438	173A-015CL	242, 438	1732-012C	318, 438
1621-010CSR	305, 390	163B-005CLSR	228, 391	1632-040CL	227, 390	172B-040C	318, 439	173A-020	242, 438	1732-012CL	241, 437
1621-010SR	226, 389	163B-005CSR	305, 391	1633-005	226, 389	172B-040CL	242, 438	173A-020C	318, 439	1732-015	241, 437
1621-012CLSR	227, 390	163B-005SR	227, 391	1633-005C	305, 390	172B-040CLSR	242, 439	173A-020CL	242, 438	1732-015C	318, 438
1621-012CSR	305, 390	163B-007	227, 390	1633-005CL	227, 390	172B-040CSR	318, 439	173A-030	242, 438	1732-015CL	241, 437
1621-012SR	226, 389	163B-007C	305, 391	1633-007	226, 389	172B-040SR	242, 438	173A-030C	318, 439	1732-020	241, 437
1621-015CLSR	227, 390	163B-007CL	227, 391	1633-007C	305, 390	1721-005CLSR	241, 437	173A-030CL	242, 438	1732-020C	318, 438
1621-015CSR	305, 390	163B-007CLSR	228, 391	1633-007CL	227, 390	1721-005CSR	318, 438	173A-040	242, 438	1732-020CL	241, 437
1621-015SR	226, 389	163B-007CSR	305, 391	1633-010	226, 389	1721-005SR	241, 437	173A-040C	318, 439	1732-030	241, 437
1621-020CLSR	227, 390	163B-007SR	227, 391	1633-010C	305, 390	1721-007CLSR	241, 437	173A-040CL	242, 438	1732-030C	318, 438
1621-020CSR	305, 390	163B-010	227, 390	1633-010CL	227, 390	1721-007CSR	318, 438	173B-005	242, 438	1732-030CL	241, 437
1621-020SR	226, 389	163B-010C	305, 391	1633-012	226, 389	1721-007SR	241, 437	173B-005C	318, 439	1732-040	241, 437
1621-030CLSR	227, 390	163B-010CL	227, 391	1633-012C	305, 390	1721-010CLSR	241, 437	173B-005CL	242, 438	1732-040C	318, 438
1621-030CSR	305, 390	163B-010CLSR	228, 391	1633-012CL	227, 390	1721-010CSR	318, 438	173B-005CLSR	242, 439	1732-040CL	241, 437
1621-030SR	226, 389	163B-010CSR	305, 391	1633-015	226, 389	1721-010SR	241, 437	173B-005CSR	318, 439	1733-005	241, 437
1621-040CLSR	227, 390	163B-010SR	227, 391	1633-015C	305, 390	1721-012CLSR	241, 437	173B-005SR	242, 438	1733-005C	318, 438
1621-040CSR	305, 390	163B-012	227, 391	1633-015CL	227, 390	1721-012CSR	318, 438	173B-007	242, 438	1733-005CL	241, 437
1621-040SR	226, 389	163B-012C	305, 391	1633-020	226, 389	1721-012SR	241, 437	173B-007C	318, 439	1733-007	241, 437
1622-005	226, 389	163B-012CL	227, 391	1633-020C	305, 390	1721-015CLSR	241, 437	173B-007CL	242, 438	1733-007C	318, 438
1622-005C	305, 390	163B-012CLSR	228, 391	1633-020CL	227, 390	1721-015CSR	318, 438	173B-007CLSR	242, 439	1733-007CL	241, 437
1622-005CL	227, 390	163B-012CSR	305, 391	1633-030	226, 390	1721-015SR	241, 437	173B-007CSR	318, 439	1733-010	241, 437
1622-007	226, 389	163B-012SR	227, 391	1633-030C	305, 390	1721-020CLSR	241, 437	173B-007SR	242, 438	1733-010C	318, 438
1622-007C	305, 390	163B-015	227, 391	1633-030CL	227, 390	1721-020CSR	318, 438	173B-010	242, 438	1733-010CL	241, 437
1622-007CL	227, 390	163B-015C	305, 391	1633-040	226, 390	1721-020SR	241, 437	173B-010C	318, 439	1733-012	241, 437
1622-010	226, 389	163B-015CL	227, 391	1633-040C	305, 390	1721-030CLSR	241, 437	173B-010CL	242, 438	1733-012C	318, 438
1622-010C	305, 390	163B-015CLSR	228, 391	1633-040CL	227, 390	1721-030CSR	318, 438	173B-010CLSR	242, 439	1733-012CL	241, 437
1622-010CL	227, 390	163B-015CSR	305, 391	172A-005	242, 438	1721-030SR	241, 437	173B-0			



Spears Part Number Index

1820-012C	384	1822R-030	217, 364	1825-010	671	182901-131C	294, 361	1831-005CSR	290, 354	1832RS-020C	297, 365
1820-015	384	1822R-030C	296, 364	1825-010C	671	182901-166	215, 361	1831-005SR	211, 353	1832RS-025	218, 365
1820-015C	384	1822R-040	217, 364	1825-012	671	182901-166BL	544	1831-007CSR	290, 354	1832RS-025C	297, 365
1820-020	384	1822R-040C	296, 364	1825-012C	671	182901-166C	294, 361	1831-007SR	211, 353	1832RS-030	218, 365
1820-020C	384	1822RS-005	218, 365	1825-015	671	182901-167	215, 361	1831-010CSR	290, 354	1832RS-030C	297, 365
1820-025	384	1822RS-005C	297, 365	1825-015C	671	182901-167BL	544	1831-010SR	211, 353	1832RS-040	218, 365
1820-025C	384	1822RS-007	218, 365	1825-020	671	182901-167C	294, 361	1831-012CSR	290, 354	1832RS-040C	297, 365
1820-030	384	1822RS-007C	297, 365	1825-020C	671	182901-168	215, 361	1831-012SR	211, 353	1832V-025	212, 355
1820-030C	384	1822RS-010	218, 365	1827-005	211, 353	182901-168BL	544	1831-015CSR	290, 354	1832V-025C	291, 356
1820-040	384	1822RS-010C	297, 365	1827-005C	290, 354	182901-168C	294, 361	1831-015SR	211, 353	1832V-030	212, 355
1820-040C	384	1822RS-012	218, 365	1827-007	211, 353	182901-209	215, 361	1831-020CSR	290, 354	1832V-030C	291, 356
1820-060	384	1822RS-012C	297, 365	1827-007C	290, 354	182901-209BL	544	1831-020SR	211, 353	1832V-040	212, 355
1820-060C	384	1822RS-015	218, 365	1827-010	211, 353	182901-209C	294, 361	1831-025	211, 353	1832V-040C	291, 356
18206-060	384	1822RS-015C	297, 365	1827-010C	290, 354	182901-210	215, 361	1831-025C	290, 354	1832V-060	212, 355
18206-060C	384	1822RS-020	218, 365	1827-012	211, 353	182901-210BL	544	1831-025CSR	290, 354	1832V-060C	291, 356
1821-005CSR	290, 354	1822RS-020C	297, 365	1827-012C	290, 354	182901-210C	294, 361	1831-025SR	211, 353	18326-060	211, 354
1821-005SR	211, 353	1822RS-025	218, 365	1827-015	211, 353	182901-211	215, 361	1831-030	211, 353	18326-060C	290, 354
1821-007CSR	290, 354	1822RS-025C	297, 365	1827-015C	290, 354	182901-211BL	544	1831-030C	290, 354	1833-005	211, 353
1821-007SR	211, 353	1822RS-030	218, 365	1827-020	211, 353	182901-211C	294, 361	1831-030CSR	290, 354	1833-005C	290, 354
1821-010CSR	290, 354	1822RS-030C	297, 365	1827-020C	290, 354	182901-247	215, 361	1831-030SR	211, 353	1833-007	211, 353
1821-010SR	211, 353	1822RS-040	218, 365	1827-025	211, 353	182901-247BL	544	1831-040	211, 353	1833-007C	290, 354
1821-012CSR	290, 354	1822RS-040C	297, 365	1827-025C	290, 354	182901-247C	294, 361	1831-040C	290, 354	1833-010	211, 353
1821-012SR	211, 353	1822V-025	212, 355	1827-030	211, 353	182901-248	215, 361	1831-040CSR	290, 354	1833-010C	290, 354
1821-015CSR	290, 354	1822V-025C	291, 356	1827-030C	290, 354	182901-248BL	544	1831-040SR	211, 353	1833-012	211, 353
1821-015SR	211, 353	1822V-030	212, 355	1827-040	211, 353	182901-248C	294, 361	1831-060	211, 353	1833-012C	290, 354
1821-020CSR	290, 354	1822V-030C	291, 356	1827-040C	290, 354	182901-249	215, 361	1831-060C	290, 354	1833-015	211, 353
1821-020SR	211, 353	1822V-040	212, 355	1827-060	211, 353	182901-249BL	544	1831-060CSR	290, 354	1833-015C	290, 354
1821-025	211, 353	1822V-040C	291, 356	1827-060C	290, 354	182901-249C	294, 361	1831-060SR	211, 353	1833-020	211, 353
1821-025C	290, 354	1822V-060	212, 355	1828-005	671	182901-251	215, 361	1831V-005CSR	291, 356	1833-020C	290, 354
1821-025CSR	290, 354	1822V-060C	291, 356	1828-005C	671	182901-251BL	544	1831V-005SR	212, 355	1833-025	211, 353
1821-025SR	211, 353	18226-060	211, 354	1828-007	671	182901-251C	294, 361	1831V-007CSR	291, 356	1833-025C	290, 354
1821-030	211, 353	18226-060C	290, 354	1828-007C	671	182901-333	215, 361	1831V-007SR	212, 355	1833-030	211, 353
1821-030C	290, 354	1823-005	211, 353	1828-010	671	182901-333BL	544	1831V-010CSR	291, 356	1833-030C	290, 354
1821-030CSR	290, 354	1823-005C	290, 354	1828-010C	671	182901-333C	294, 361	1831V-010SR	212, 355	1833-040	211, 354
1821-030SR	211, 353	1823-007	211, 353	1828-012	671	182901-335	215, 361	1831V-012CSR	291, 356	1833-040C	290, 354
1821-040	211, 353	1823-007C	290, 354	1828-012C	671	182901-335BL	544	1831V-012SR	212, 355	1833-060	211, 354
1821-040C	290, 354	1823-010	211, 353	1828-015	671	182901-335C	294, 361	1831V-015CSR	291, 356	1833-060C	290, 354
1821-040CSR	290, 354	1823-010C	290, 354	1828-015C	671	182901-337	215, 361	1831V-015SR	212, 355	1833-080	211, 354
1821-040SR	211, 353	1823-012	211, 353	1828-020	671	182901-337BL	544	1831V-020CSR	291, 356	1833-080C	290, 354
1821-060	211, 353	1823-012C	290, 354	1828-020C	672	182901-337C	294, 361	1831V-020SR	212, 355	1833V-005	212, 355
1821-060C	290, 354	1823-015	211, 353	1829-005	211, 353	182901-338	215, 361	1831V-025CSR	291, 356	1833V-005C	291, 356
1821-060CSR	290, 354	1823-015C	290, 354	1829-005BL	544	182901-338BL	544	1831V-025SR	212, 355	1833V-007	212, 355
1821-060SR	211, 353	1823-020	211, 353	1829-005C	290, 354	182901-338C	294, 361	1831V-030CSR	291, 356	1833V-007C	291, 356
1821V-005CSR	291, 356	1823-020C	290, 354	1829-007	211, 353	182901-417	215, 361	1831V-030SR	212, 355	1833V-010	212, 355
1821V-005SR	212, 355	1823-025	211, 353	1829-007BL	544	182901-417BL	544	1831V-040CSR	291, 356	1833V-010C	291, 356
1821V-007CSR	291, 356	1823-025C	290, 354	1829-007C	290, 354	182901-417C	294, 361	1831V-040SR	212, 355	1833V-012	212, 355
1821V-007SR	212, 355	1823-030	211, 353	1829-010	211, 353	182901-419	215, 361	18316-060	212, 354	1833V-012C	291, 356
1821V-010CSR	291, 356	1823-030C	290, 354	1829-010BL	544	182901-419BL	544	18316-060C	291, 354	1833V-015	212, 355
1821V-010SR	212, 355	1823-040	211, 354	1829-010C	290, 354	182901-419C	294, 361	18316-060CSR	291, 355	1833V-015C	291, 356
1821V-012CSR	291, 356	1823-040C	290, 354	1829-012	211, 353	182901-420	215, 361	18316-060SR	212, 354	1833V-020	212, 355
1821V-012SR	212, 355	1823-060	211, 354	1829-012BL	544	182901-420BL	544	1832-025	211, 353	1833V-020C	291, 356
1821V-015CSR	291, 356	1823-060C	290, 354	1829-012C	290, 354	182901-420C	294, 361	1832-025C	290, 354	1833V-025	212, 355
1821V-015SR	212, 355	1823-080	211, 354	1829-015	211, 353	182901-528	215, 361	1832-030	211, 353	1833V-025C	291, 356
1821V-020CSR	291, 356	1823-080C	290, 354	1829-015BL	544	182901-528BL	544	1832-030BL	544	1833V-030	212, 355
1821V-020SR	212, 355	1823V-005	212, 355	1829-015C	290, 354	182901-528C	294, 361	1832-030C	290, 354	1833V-030C	291, 356
1821V-025CSR	291, 356	1823V-005C	291, 356	1829-020	211, 353	182901-578	215, 361	1832-040	211, 353	1833V-040	212, 355
1821V-025SR	212, 355	1823V-007	212, 355	1829-020BL	544	182901-578BL	544	1832-040C	290, 354	1833V-040C	291, 356
1821V-030CSR	291, 356	1823V-007C	291, 356	1829-020C	290, 354	182901-578C	294, 361	1832-040C	290, 354	1833V-060	212, 355
1821V-030SR	212, 355	1823V-010	212, 355	1829V-005	212, 355	182901M-020	215, 361	1832-060	211, 353	1833V-060C	291, 356
1821V-040CSR	291, 356	1823V-010C	291, 356	1829V-005C	291, 355	182901M-020C	294, 362	1832-060BL	544	18336-060	212, 354
1821V-040SR	212, 355	1823V-012	212, 355	1829V-007	212, 355	182901M-025	215, 361	1832-060C	290, 354	18336-060C	291, 355
18216-060	212, 354	1823V-012C	291, 356	1829V-007C	291, 355	182901M-025C	294, 362	1832-080	211, 353		671
18216-060C	291, 354	1823V-015	212, 355	1829V-010	212, 355	182901M-032	215, 361	1832-080C	290, 354	1834-005C	671
18216-060CSR	291, 355	1823V-015C	291, 356	1829V-010C	291, 356	182901M-032C	294, 362	1832R-005	217, 364	1834-007	671
18216-060SR	212, 354	1823V-020	212, 355	1829V-012	212, 355	182901M-040	215, 361	1832R-005C	296, 364	1834-007C	671
1822-025	211, 353	1823V-020C	291, 356	1829V-012C	291, 356	182901M-040C	294, 362	1832R-007	217, 364	1834-010	671
1822-025C	290, 354	1823V-025	212, 355	1829V-015	212, 355	182901M-050	215, 362	1832R-007C	296, 364	1834-010C	671
1822-030	211, 353	1823V-025C	291, 356	1829V-015C	291, 356	182901M-050C	294, 362	1832R-010	217, 364	1834-012	671
1822-030BL	544	1823V-030	212, 355	1829V-020	212, 355	182901M-063	215, 362	1832R-010C	296, 364	1834-012C	671
1822-030C	290, 354	1823V-030C	291, 356	1829V-020C	291, 356	182901M-063C	294, 362	1832R-012	217, 364	1834-015	671
1822-040	211, 353	1823V-040	212, 355	182901-005	215, 361	1830-005	383	1832R-012C	296, 364	1834-015C	671
1822-040BL	544	1823V-040C	291, 356	182901-005BL	544	1830-005C	384	1832R-015	217, 364	1834-020	671
1822-040C	290, 354	1823V-060	212, 355	182901-005C	294, 361	1830-007	384	1832R-015C	296, 364	1834-020C	671
1822-060	211, 353	1823V-060C	291, 356	182901-007	215, 361	1830-007C	384	1832R-020	217, 364	1835-005	671
1822-060BL	544	18236-060	212, 354	182901-007BL	544	1830-010	384	1832R-020C	296, 364	1835-005C	671
1822-060C	290, 354	18236-060C	291, 355	182901-007C	294, 361	1830-010C	384	1832R-02			

Spears Part Number Index



1837-012C	290, 354	183901-211	215, 361	2011-030SR	232, 409	2023-010C	309, 410	2034-005C	683	21201A121-060	454
1837-015	211, 353	183901-211BL	544	2011-040CSR	309, 409	2023-012	232, 409	2034-007	682	21201H101-005	455
1837-015C	290, 354	183901-211C	294, 361	2011-040SR	232, 409	2023-012C	309, 410	2034-007C	683	21201H101-007	455
1837-020	211, 353	183901-247	215, 361	2012-005	232, 409	2023-015	232, 409	2034-010	682	21201H101-010	455
1837-020C	290, 354	183901-247BL	544	2012-005C	309, 409	2023-015C	309, 410	2034-010C	683	21201H101-012	455
1837-025	211, 353	183901-247C	294, 361	2012-007	232, 409	2023-020	232, 409	2034-012	682	21201H101-015	455
1837-025C	290, 354	183901-248	215, 361	2012-007C	309, 409	2023-020C	309, 410	2034-012C	683	21201H101-020	455
1837-030	211, 353	183901-248BL	544	2012-010	232, 409	2023-025	232, 409	2034-015	682	21201H101-025	455
1837-030C	290, 354	183901-248C	294, 361	2012-010C	309, 409	2023-025C	309, 410	2034-015C	683	21201H101-030	455
1837-040	211, 353	183901-249	215, 361	2012-012	232, 409	2023-030	232, 409	2034-020	682	21201H101-040	455
1837-040C	290, 354	183901-249BL	544	2012-012C	309, 409	2023-030C	309, 410	2034-020C	683	21201H101-060	455
1837-060	211, 353	183901-249C	294, 361	2012-015	232, 409	2023-040	232, 409	2035-005	682	21201J101-005	455
1837-060C	290, 354	183901-251	215, 361	2012-015C	309, 409	2023-040C	309, 410	2035-005C	683	21201J101-007	455
1838-005	671	183901-251BL	544	2012-020	232, 409	2024-005	682	2035-007	682	21201J101-010	455
1838-005C	672	183901-251C	294, 361	2012-020C	309, 409	2024-005C	682	2035-007C	683	21201J101-012	455
1838-007	671	183901-333	215, 361	2012-025	232, 409	2024-007	682	2035-010	682	21201J101-015	455
1838-007C	672	183901-333BL	544	2012-025C	309, 409	2024-007C	682	2035-010C	683	21201J101-020	455
1838-010	671	183901-333C	294, 361	2012-030	232, 409	2024-010	682	2035-012	682	21201J101-025	455
1838-010C	672	183901-335	215, 361	2012-030C	309, 409	2024-010C	682	2035-012C	683	21201J101-030	455
1838-012	671	183901-335BL	544	2012-040	232, 409	2024-012	682	2035-015	682	21201J101-040	455
1838-012C	672	183901-335C	294, 361	2012-040C	309, 409	2024-012C	682	2035-015C	683	21201J101-060	455
1838-015	671	183901-337	215, 361	2013-005	232, 409	2024-015	682	2035-020	682	21202A111-025	454
1838-015C	672	183901-337BL	544	2013-005C	309, 410	2024-015C	682	2035-020C	683	21202A111-030	454
1838-020	671	183901-337C	294, 361	2013-007	232, 409	2024-020	682	21101A111-025	454	21202A112-005	454
1838-020C	672	183901-338	215, 361	2013-007C	309, 410	2024-020C	682	21101A111-030	454	21202A112-007	454
1839-005	211, 353	183901-338BL	544	2013-010	232, 409	2025-005	682	21101A112-005	454	21202A112-010	454
1839-005BL	544	183901-338C	294, 361	2013-010C	309, 410	2025-005C	683	21101A112-007	454	21202A112-012	454
1839-005C	290, 354	183901-417	215, 361	2013-012	232, 409	2025-007	682	21101A112-010	454	21202A112-015	454
1839-007	211, 353	183901-417BL	544	2013-012C	309, 410	2025-007C	683	21101A112-012	454	21202A112-020	454
1839-007BL	544	183901-417C	294, 361	2013-015	232, 409	2025-010	682	21101A112-015	454	21202A121-040	454
1839-007C	290, 354	183901-419	215, 361	2013-015C	309, 410	2025-010C	683	21101A112-020	454	21202A121-060	454
1839-010	211, 353	183901-419BL	544	2013-020	232, 409	2025-012	682	21101A121-040	454	21202H101-005	455
1839-010BL	544	183901-419C	294, 361	2013-020C	309, 410	2025-012C	683	21101A121-060	454	21202H101-007	455
1839-010C	290, 354	183901-420	215, 361	2013-025	232, 409	2025-015	682	21101H101-005	455	21202H101-010	456
1839-012	211, 353	183901-420BL	544	2013-025C	309, 410	2025-015C	683	21101H101-007	455	21202H101-012	456
1839-012BL	544	183901-420C	294, 361	2013-030	232, 409	2025-020	682	21101H101-010	455	21202H101-015	456
1839-012C	290, 354	183901-528	215, 361	2013-030C	309, 410	2025-020C	683	21101H101-012	455	21202H101-020	456
1839-015	211, 353	183901-528BL	544	2013-040	232, 409	2031-005	232, 409	21101H101-015	455	21202H101-025	456
1839-015BL	544	183901-528C	294, 361	2013-040C	309, 410	2031-005C	309, 409	21101H101-020	455	21202H101-030	456
1839-015C	290, 354	183901-578	215, 361	2014-005	682	2031-007	232, 409	21101H101-025	455	21202H101-040	456
1839-020	211, 353	183901-578BL	544	2014-007	682	2031-007C	309, 409	21101H101-030	455	21202H101-060	456
1839-020BL	544	183901-578C	294, 361	2014-010	682	2031-010	232, 409	21101H101-040	455	21202J101-005	455
1839-020C	290, 354	183901M-020	215, 361	2014-012	682	2031-010C	309, 409	21101H101-060	455	21202J101-007	455
1839V-005	212, 355	183901M-020C	294, 362	2014-015	682	2031-012	232, 409	21101J101-005	455	21202J101-010	456
1839V-005C	291, 355	183901M-025	215, 361	2014-020	682	2031-012C	309, 409	21101J101-007	455	21202J101-012	456
1839V-007	212, 355	183901M-025C	294, 362	2015-005	682	2031-015	232, 409	21101J101-010	455	21202J101-015	456
1839V-007C	291, 355	183901M-032	215, 361	2015-007	682	2031-015C	309, 409	21101J101-012	455	21202J101-020	456
1839V-010	212, 355	183901M-032C	294, 362	2015-010	682	2031-020	232, 409	21101J101-015	455	21202J101-025	456
1839V-010C	291, 356	183901M-040	215, 361	2015-012	682	2031-020C	309, 409	21101J101-020	455	21202J101-030	456
1839V-012	212, 355	183901M-040C	294, 362	2015-015	682	2031-025	232, 409	21101J101-025	455	21202J101-040	456
1839V-012C	291, 356	183901M-050	215, 362	2015-020	682	2031-025C	309, 409	21101J101-030	455	21202J101-060	456
1839V-015	212, 355	183901M-050C	294, 362	2021-005	232, 409	2031-030CSR	309, 409	21101J101-040	455	2121-005	222, 371
1839V-015C	291, 356	183901M-063	215, 362	2021-005C	309, 409	2031-030SR	232, 409	21101J101-060	455	2121-005C	301, 371
1839V-020	212, 355	183901M-063C	294, 362	2021-007	232, 409	2031-040CSR	309, 409	21102A111-025	454	2121-007	222, 371
1839V-020C	291, 356	1922-005	375, 541	2021-007C	309, 409	2031-040SR	232, 409	21102A111-030	454	2121-007C	301, 371
183901-005	215, 361	1922-007	375, 541	2021-010	232, 409	2032-005	232, 409	21102A112-005	454	2121-010	222, 371
183901-005BL	544	1922-010	375, 541	2021-010C	309, 409	2032-005C	309, 409	21102A112-007	454	2121-010C	301, 371
183901-005C	294, 361	1922-012	375, 541	2021-012	232, 409	2032-007	232, 409	21102A112-010	454	2121-012	222, 371
183901-007	215, 361	1922-015	375, 541	2021-012C	309, 409	2032-007C	309, 409	21102A112-012	454	2121-012C	301, 371
183901-007BL	544	1922-020	375, 541	2021-015	232, 409	2032-010	232, 409	21102A112-015	454	2121-015	222, 371
183901-007C	294, 361	2E-005	200, 282	2021-015C	309, 409	2032-010C	309, 409	21102A112-020	454	2121-015C	301, 371
183901-010	215, 361	2E-007	200, 282	2021-020	232, 409	2032-012	232, 409	21102A121-040	454	2121-020	222, 371
183901-010BL	544	2E-010	200, 282	2021-020C	309, 409	2032-012C	309, 409	21102A121-060	454	2121-020C	301, 371
183901-010C	294, 361	2E-015	200, 282	2021-025	232, 409	2032-015	232, 409	21102H101-005	455	2121-030	222, 371
183901-015BL	544	2E-020	200, 282	2021-025C	309, 409	2032-015C	309, 409	21102H101-007	455	2121-030C	301, 371
183901-020	215, 361	2E-030	200, 282	2021-030CSR	309, 409	2032-020	232, 409	21102H101-010	456	2121-040	222, 371
183901-020BL	544	2E-040	200, 282	2021-030SR	232, 409	2032-020C	309, 409	21102H101-012	456	2121-040C	301, 371
183901-020C	294, 361	2E-060	200, 282	2021-040CSR	309, 409	2032-025	232, 409	21102H101-015	456	2122-005	222, 371
183901-101	215, 361	2N-005	200, 282	2021-040SR	232, 409	2032-025C	309, 409	21102H101-020	456	2122-005C	301, 371
183901-101BL	544	2N-007	200, 282	2022-005	232, 409	2032-030	232, 409	21102H101-025	456	2122-007	222, 371
183901-101C	294, 361	2N-010	200, 282	2022-005C	309, 409	2032-030C	309, 409	21102H101-030	456	2122-007C	301, 371
183901-130	215, 361	2N-015	200, 282	2022-007	232, 409	2032-040	232, 409	21102H101-040	456	2122-010	222, 371
183901-130BL	544	2N-020	200, 282	2022-007C	309, 409	2032-040C	309, 409	21102H101-060	456	2122-010C	301, 371
183901-130C	294, 361	2N-030	200, 282	2022-010	232, 409	2033-005	232, 409	21102J101-005	455	2122-012	222, 371
183901-131	215, 361	2N-040	200, 282	2022-010C	309, 409	2033-005C	309, 410	21102J101-007	455	2122-012C	301, 371
183901-131BL	544	2N-060	199, 282	2022-012	232, 409	2033-007	232, 409	21102J101-010	456	2122-015	222, 371
183901-131C	294, 361	2V-060	200, 282	2022-012C	309, 409	2033-007C	309, 410	21102J101-012	456	2122-015C	301, 371
183901-166	215, 361	2011-005	232, 409								



Spears Part Number Index

2123-010C	301, 371	2221-030C	304, 388	2233-040C	304, 388	23201A111-030	454	2323-060C	299, 368	2339-010C	299, 368
2123-012	222, 371	2221-040	225, 388	2233-060	225, 388	23201A112-005	454	2324-025	670	2339-012	220, 367
2123-012C	301, 371	2221-040C	304, 388	2233-060C	304, 388	23201A112-007	454	2324-025C	670	2339-012C	299, 368
2123-015	222, 371	2222-025	225, 388	2239-005	225, 388	23201A112-010	454	2324-030	670	2339-015	220, 367
2123-015C	301, 371	2222-025C	304, 388	2239-005C	304, 388	23201A112-012	454	2324-030C	670	2339-015C	299, 368
2123-020	222, 371	2222-030	225, 388	2239-007	225, 388	23201A112-015	454	2324-040	670	2339-020	220, 367
2123-020C	301, 372	2222-030C	304, 388	2239-007C	304, 388	23201A121-040	454	2324-040C	670	2339-020C	299, 368
2123-030	222, 371	2222-040	225, 388	2239-010	225, 388	23201A121-060	454	2325-025	670	24101A111-025	454
2123-030C	301, 372	2222-040C	304, 388	2239-010C	304, 388	23201H101-005	455	2325-025C	670	24101A111-030	454
2123-040	222, 371	2222-060	225, 388	2239-012	225, 388	23201H101-007	455	2325-030	670	24101A112-005	454
2123-040C	301, 372	2222-060C	304, 388	2239-012C	304, 388	23201H101-010	455	2325-030C	670	24101A112-007	454
2123-060	222, 371	2223-005	225, 388	2239-015	225, 388	23201H101-012	455	2325-040	670	24101A112-010	454
2123-060C	301, 372	2223-005C	304, 388	2239-015C	304, 388	23201H101-015	455	2325-040C	670	24101A112-012	454
21236-060	222, 371	2223-007	225, 388	2239-020	225, 388	23201H101-020	455	2329-005	220, 367	24101A112-015	454
21236-060C	301, 372	2223-007C	304, 388	2239-020C	304, 388	23201H101-025	455	2329-005C	299, 368	24101A112-020	454
2131-005	222, 371	2223-010	225, 388	23101A111-025	454	23201H101-030	455	2329-007	220, 367	24101A121-040	454
2131-005C	301, 371	2223-010C	304, 388	23101A111-030	454	23201H101-040	455	2329-007C	299, 368	24101A121-060	454
2131-007	222, 371	2223-012	225, 388	23101A112-005	454	23201H101-060	455	2329-010	220, 367	24101H101-005	455
2131-007C	301, 371	2223-012C	304, 388	23101A112-007	454	23201J101-005	455	2329-010C	299, 368	24101H101-007	455
2131-010	222, 371	2223-015	225, 388	23101A112-010	454	23201J101-007	455	2329-012	220, 367	24101H101-010	455
2131-010C	301, 371	2223-015C	304, 388	23101A112-012	454	23201J101-010	455	2329-012C	299, 368	24101H101-012	455
2131-012	222, 371	2223-020	225, 388	23101A112-015	454	23201J101-012	455	2329-015	220, 367	24101H101-015	455
2131-012C	301, 371	2223-020C	304, 388	23101A112-020	454	23201J101-015	455	2329-015C	299, 368	24101H101-020	455
2131-015	222, 371	2223-025	225, 388	23101A121-040	454	23201J101-020	455	2329-020	220, 367	24101H101-025	455
2131-015C	301, 371	2223-025C	304, 388	23101H101-005	455	23201J101-025	455	2329-020C	299, 368	24101H101-030	455
2131-020	222, 371	2223-030	225, 388	23101H101-007	455	23201J101-030	455	2330-005	384	24101H101-040	455
2131-020C	301, 371	2223-030C	304, 388	23101H101-010	455	23201J101-040	455	2330-005C	384	24101H101-060	455
2131-030	222, 371	2223-040	225, 388	23101H101-012	455	23201J101-060	455	2330-007	384	24101J101-005	455
2131-030C	301, 371	2223-040C	304, 388	23101H101-015	455	23202A111-025	454	2330-007C	385	24101J101-007	455
2131-040	222, 371	2223-060	225, 388	23101H101-020	455	23202A111-030	454	2330-010	384	24101J101-010	455
2131-040C	301, 371	2223-060C	304, 388	23101H101-025	455	23202A112-005	454	2330-010C	385	24101J101-012	455
2132-005	222, 371	2229-005	225, 388	23101H101-030	455	23202A112-007	454	2330-012	385	24101J101-015	455
2132-005C	301, 371	2229-005C	304, 388	23101H101-040	455	23202A112-010	454	2330-012C	385	24101J101-020	455
2132-007	222, 371	2229-007	225, 388	23101H101-060	455	23202A112-015	454	2330-015	385	24101J101-025	455
2132-007C	301, 371	2229-007C	304, 388	23101H101-005	455	23202A112-020	454	2330-015C	385	24101J101-030	455
2132-010	222, 371	2229-010	225, 388	23101J101-005	455	23202A112-025	454	2330-020	385	24101J101-040	455
2132-010C	301, 371	2229-010C	304, 388	23101J101-007	455	23202A112-030	454	2330-020C	385	24101J101-060	455
2132-012	222, 371	2229-012	225, 388	23101J101-010	455	23202A121-040	454	2330-030	385	24102A111-025	454
2132-012C	301, 371	2229-012C	304, 388	23101J101-012	455	23202A121-060	454	2330-030C	385	24102A111-030	454
2132-015	222, 371	2229-015	225, 388	23101J101-015	455	23202H101-005	455	2330-040	385	24102A112-005	454
2132-015C	301, 371	2229-015C	304, 388	23101J101-020	455	23202H101-007	455	2330-040C	385	24102A112-007	454
2132-020	222, 371	2229-020	225, 388	23101J101-025	455	23202H101-010	456	2331-025	220, 368	24102A112-010	454
2132-020C	301, 371	2229-020C	304, 388	23101J101-030	455	23202H101-012	456	2331-025C	299, 368	24102A112-012	454
2132-030	222, 371	2230-005	385	23101J101-040	455	23202H101-015	456	2331-030	220, 368	24102A112-015	454
2132-030C	301, 371	2230-005C	385	23101J101-060	455	23202H101-020	456	2331-030C	299, 368	24102A112-020	454
2132-040	222, 371	2230-007	385	23102A111-025	454	23202H101-025	456	2331-040	220, 368	24102A121-040	454
2132-040C	301, 371	2230-007C	385	23102A111-030	454	23202H101-030	456	2331-040C	299, 368	24102A121-060	454
2132-060	222, 371	2230-010	385	23102A112-005	454	23202H101-040	456	2332-025	220, 368	24102H101-005	455
2132-060C	301, 371	2230-010C	385	23102A112-007	454	23202H101-060	456	2332-025C	299, 368	24102H101-007	455
21326-060	222, 371	2230-012	385	23102A112-010	454	23202H101-005	455	2332-030	220, 368	24102H101-010	456
21326-060C	301, 371	2230-012C	385	23102A112-012	454	23202J101-007	455	2332-030C	299, 368	24102H101-012	456
2133-005	222, 371	2230-015	385	23102A112-015	454	23202J101-010	456	2332-040	220, 368	24102H101-015	456
2133-005C	301, 371	2230-015C	385	23102A112-020	454	23202J101-012	456	2332-040C	299, 368	24102H101-020	456
2133-007	222, 371	2230-020	385	23102A121-040	454	23202J101-015	456	2332-060	220, 368	24102H101-025	456
2133-007C	301, 371	2230-020C	385	23102A121-060	454	23202J101-020	456	2332-060C	299, 368	24102H101-030	456
2133-010	222, 371	2230-025	385	23102H101-005	455	23202J101-025	456	2333-005	220, 368	24102H101-040	456
2133-010C	301, 371	2230-025C	385	23102H101-007	455	23202J101-030	456	2333-005C	299, 368	24102H101-060	456
2133-012	222, 371	2230-030	385	23102H101-010	456	23202J101-040	456	2333-007	220, 368	24102J101-005	455
2133-012C	301, 371	2230-030C	385	23102H101-012	456	23202J101-060	456	2333-007C	299, 368	24102J101-007	455
2133-015	222, 371	2230-040	385	23102H101-015	456	2321-025	220, 368	2333-010	220, 368	24102J101-010	456
2133-015C	301, 371	2230-040C	385	23102H101-020	456	2321-025C	299, 368	2333-010C	299, 368	24102J101-012	456
2133-020	222, 371	2231-025	225, 388	23102H101-025	456	2321-030	220, 368	2333-012	220, 368	24102J101-015	456
2133-020C	301, 372	2231-025C	304, 388	23102H101-030	456	2321-030C	299, 368	2333-012C	299, 368	24102J101-020	456
2133-030	222, 371	2231-030	225, 388	23102H101-040	456	2321-040	220, 368	2333-015	220, 368	24102J101-025	456
2133-030C	301	2231-030C	304, 388	23102H101-060	456	2321-040C	299, 368	2333-015C	299, 368	24102J101-030	456
2133-040	222, 371	2231-040	225, 388	23102J101-005	455	2322-025	220, 368	2333-020	220, 368	24102J101-040	456
2133-040C	301, 372	2231-040C	304, 388	23102J101-007	455	2322-025C	299, 368	2333-020C	299, 368	24102J101-060	456
2133-060	222, 371	2232-025	225, 388	23102J101-010	456	2322-030	220, 368	2333-025	220, 368	2411-005G	221, 369
2133-060C	301, 372	2232-025C	304, 388	23102J101-012	456	2322-030C	299, 368	2333-025C	299, 368	2411-005W	78, 369
21336-060	222, 371	2232-030	225, 388	23102J101-015	456	2322-040	220, 368	2333-030	220, 368	2411-007G	221, 369
21336-060C	301, 372	2232-030C	304, 388	23102J101-020	456	2322-040C	299, 368	2333-030C	299, 368	2411-007W	78, 369
2220-005	385	2232-040	225, 388	23102J101-025	456	2322-060	220, 368	2333-040	220, 368	2411-010G	221, 369
2220-005C	385	2232-040C	304, 388	23102J101-030	456	2322-060C	299, 368	2333-040C	299, 368	2411-010W	78, 369
2220-007	385	2232-060	225, 388	23102J101-040	456	2323-005	220, 368	2333-060	220, 368	2411-012G	221, 369
2220-007C	385	2232-060C	304, 388	23102J101-060	456	2323-005C	299, 368	2333-060C	299, 368	2411-012W	78, 369
2220-010	385	2233-005	225, 388	2320-005	384	2323-007	220, 368	2334-025	670	2411-015G	221, 369
2220-010C	385	2233-005C	304, 388	2320-005C	385	2323-007C	299, 368	2334-025C	670	2411-015W	78, 369
2220-012	385	2233-007	225, 388	2320-007	384	2323-010	220, 368	2			

Spears Part Number Index



2412-015W	78, 369	2422-015W	78, 369	2622-015	77, 373	2723-007	239, 433	2729T-010BL	545	2734-005	683
2412-020G	221, 369	2422-020G	221, 369	2622-015C	302, 373	2723-007C	316, 434	2729T-010C	316, 433	2734-005C	684
2412-020W	78, 369	2422-020W	78, 369	2622-015G	77, 223	2723-010	239, 433	2729T-012	239, 432	2734-007	683
2412-030G	221, 369	2422-030G	221, 369		373	2723-010C	316, 434	2729T-012BL	545	2734-007C	684
2412-030W	78, 369	2422-030W	78, 369	2622-020	77, 373	2723-012	239, 433	2729T-012C	316, 433	2734-010	683
2412-040G	221, 369	2422-040G	221, 369	2622-020C	302, 373	2723-012C	316, 434	2729T-015	239, 432	2734-010C	684
2412-040W	78, 369	2422-040W	78, 369	2622-020G	77, 223	2723-015	239, 433	2729T-015BL	545	2734-012	683
24201A111-025	454	2431-005G	221, 369	2431-005G	373	2723-015C	316, 434	2729T-015C	316, 433	2734-012C	684
24201A111-030	454	2431-005W	78, 369	2622-025	77, 373	2723-020	240, 433	2729T-020	239, 432	2734-015	683
24201A112-005	454	2431-007G	221, 369	2622-025G	77, 223	2723-020C	317, 434	2729T-020BL	545	2734-015C	684
24201A112-007	454	2431-007W	78, 369		373	2723-025	240, 433	2729T-020C	316, 433	2734-020	683
24201A112-010	454	2431-010G	221, 369	2622-030	77, 373	2723-025C	317, 434	2731-005CSR	316, 433	2734-020C	684
24201A112-012	454	2431-010W	78, 369	2622-030G	77, 223	2723-025P	352, 434	2731-005PSR	239, 432	2735-005	683
24201A112-015	454	2431-012G	221, 369		373	2723-030	240, 433	2731-005SR	239, 432	2735-005C	684
24201A112-020	454	2431-012W	78, 369	2622-040	77, 373	2723-030C	317, 434	2731-007CSR	316, 433	2735-007	683
24201A121-040	454	2431-015G	221, 369	2622-040G	77, 223	2723-030P	352, 434	2731-007PSR	352, 434	2735-007C	684
24201A121-060	454	2431-015W	78, 369		373	2723-040	240, 433	2731-007SR	239, 432	2735-010	683
24201H101-005	455	2431-020G	221, 369	2622-060	77, 373	2723-040C	317, 434	2731-010CSR	316, 433	2735-010C	684
24201H101-007	455	2431-020W	78, 369	27-39-00541A	436	2723-040P	352, 434	2731-010PSR	352, 434	2735-012	683
24201H101-010	455	2431-030G	221, 369	27-39-00542A	436	2723-060	240, 433	2731-010SR	239, 432	2735-012C	684
24201H101-012	455	2431-030W	78, 369	27-39-00565A	436	2723-060C	317, 434	2731-012CSR	316, 433	2735-015	683
24201H101-015	455	2431-040G	221, 369	27-39-00566A	436	2723-060P	352, 434	2731-012PSR	352, 434	2735-015C	684
24201H101-020	455	2431-040W	78, 369	27-39-00741A	436	2723-080	240, 433	2731-012SR	239, 432	2735-020	683
24201H101-025	455	2432-005G	221, 369	27-39-00742A	436	2723-080C	317, 434	2731-015CSR	316, 433	2735-020C	684
24201H101-030	455	2432-005W	78, 369	27-39-00765A	436	2723-080P	352, 434	2731-015PSR	352, 434	2737-005	239, 432
24201H101-040	455	2432-007G	221, 369	27-39-00766A	436	2724-005	683	2731-015SR	239, 432	2737-005C	316, 433
24201H101-060	455	2432-007W	78, 369	27-39-01041A	436	2724-005C	684	2731-020CSR	316, 433	2737-007	239, 432
24201J101-005	455	2432-010G	221, 369	27-39-01042A	436	2724-007	683	2731-020PSR	352, 434	2737-007C	316, 433
24201J101-007	455	2432-010W	78, 369	27-39-01065A	436	2724-007C	684	2731-020SR	239, 432	2737-010	239, 432
24201J101-010	455	2432-012G	221, 369	27-39-01066A	436	2724-010	683	2731T-005CSR	316, 433	2737-010C	316, 433
24201J101-012	455	2432-012W	78, 369	27-39-01541	436	2724-010C	684	2731T-005PSR	352, 434	2737-012	239, 432
24201J101-015	455	2432-015G	221, 369	27-39-01542	436	2724-012	683	2731T-005SR	239, 432	2737-012C	316, 433
24201J101-020	455	2432-015W	78, 369	27-39-01565	436	2724-012C	684	2731T-007CSR	316, 433	2737-015	239, 432
24201J101-025	455	2432-020G	221, 369	27-39-01566	436	2724-015	683	2731T-007PSR	352, 434	2737-015C	316, 433
24201J101-030	455	2432-020W	78, 369	27-39-02041	436	2724-015C	684	2731T-007SR	239, 432	2737-020	239, 432
24201J101-040	455	2432-030G	221, 369	27-39-02042	436	2724-020	683	2731T-010CSR	316, 433	2737-020C	316, 433
24201J101-060	455	2432-030W	78, 369	27-39-02065	436	2724-020C	684	2731T-010PSR	352, 434	2738-005	683
24202A111-025	454	2432-040G	221, 369	27-39-02066	436	2725-005	683	2731T-010SR	239, 432	2738-005C	684
24202A111-030	454	2432-040W	78, 369	27-39-03041	436	2725-005C	684	2731T-012CSR	316, 433	2738-007	683
24202A112-005	454	253322-020	421	27-39-03042	436	2725-007	683	2731T-012PSR	352, 434	2738-007C	684
24202A112-007	454	253322-030	421	27-39-03065	436	2725-007C	684	2731T-012SR	239, 432	2738-010	683
24202A112-010	454	253322-040	421	27-39-03066	436	2725-010	683	2731T-015CSR	316, 433	2738-010C	684
24202A112-012	454	253322-060	421	27-39-04041	436	2725-010C	684	2731T-015PSR	352, 434	2738-012	683
24202A112-015	454	2621-005	77, 373	27-39-04042	436	2725-012	683	2731T-015SR	239, 432	2738-012C	684
24202A112-020	454	2621-005C	302, 373	27-39-04065	436	2725-012C	684	2731T-020CSR	316, 433	2738-015	683
24202A121-040	454	2621-005G	77, 223	27-39-04066	436	2725-015	683	2731T-020PSR	352, 434	2738-015C	684
24202A121-060	454		373	27-39-06041	436	2725-015C	684	2731T-020SR	239, 432	2738-020	683
24202H101-005	455	2621-007	77, 373	27-39-06042	436	2725-020	683	2731VT-005CSR	316, 433	2738-020C	684
24202H101-007	455	2621-007C	302, 373	27-39-06065	436	2725-020C	684	2731VT-005PSR	352, 434	2739-005	239, 432
24202H101-010	456	2621-007G	77, 223	27-39-06066	436	2727-005	239, 432	2731VT-005SR	239, 432	2739-005C	316, 433
24202H101-012	456		373	27-39-08041	436	2727-005C	316, 433	2731VT-007CSR	316, 433	2739-007	239, 432
24202H101-015	456	2621-010	77, 373	27-39-08042	436	2727-007	239, 432	2731VT-007PSR	352, 434	2739-007C	316, 433
24202H101-020	456	2621-010C	302, 373	27-39-08065	436	2727-007C	316, 433	2731VT-007SR	239, 432	2739-010	239, 432
24202H101-025	456	2621-010G	77, 223	27-39-08066	436	2727-010	239, 432	2731VT-010CSR	316, 433	2739-010C	316, 433
24202H101-030	456		373	2721-005CSR	316, 433	2727-010C	316, 433	2731VT-010PSR	352, 434	2739-012	239, 432
24202H101-040	456	2621-012	77, 373	2721-005PSR	352, 434	2727-012	239, 432	2731VT-010SR	239, 432	2739-012C	316, 433
24202H101-060	456	2621-012C	302, 373	2721-005SR	239, 432	2727-012C	316, 433	2731VT-012CSR	316, 433	2739-015	239, 432
24202J101-005	455	2621-012G	77, 223	2721-007CSR	316, 433	2727-015	239, 432	2731VT-012PSR	352, 434	2739-015C	316, 433
24202J101-007	455		373	2721-007PSR	352, 434	2727-015C	316, 433	2731VT-012SR	239, 432	2739-020	239, 432
24202J101-010	456	2621-015	77, 373	2721-007SR	239, 432	2727-020	239, 432	2731VT-015CSR	316, 433	2739-020C	316, 433
24202J101-012	456	2621-015C	302, 373	2721-010CSR	316, 433	2727-020C	316, 433	2731VT-015PSR	352, 434	2739T-005	239, 432
24202J101-015	456	2621-015G	77, 223	2721-010PSR	352, 434	2728-005	683	2731VT-015SR	239, 432	2739T-005C	316, 433
24202J101-020	456		373	2721-010SR	239, 432	2728-005C	684	2731VT-020CSR	316, 433	2739T-007	239, 432
24202J101-025	456	2621-020	77, 373	2721-012CSR	316, 433	2728-007	683	2731VT-020PSR	352, 434	2739T-007C	316, 433
24202J101-030	456	2621-020C	302, 373	2721-012PSR	352, 434	2728-007C	684	2731VT-020SR	239, 432	2739T-010	239, 432
24202J101-040	456	2621-020G	77, 223	2721-012SR	239, 432	2728-010	683	2733-005	239, 433	2739T-010C	316, 433
24202J101-060	456		373	2721-015CSR	316, 433	2728-010C	684	2733-005C	316, 434	2739T-012	239, 432
2421-005G	221, 369	2621-025	77, 373	2721-015PSR	352, 434	2728-012	683	2733-007	239, 433	2739T-012C	316, 433
2421-005W	78, 369	2621-025G	77, 223	2721-015SR	239, 432	2728-012C	684	2733-007C	316, 434	2739T-015	239, 432
2421-007G	221, 369		373	2721-020CSR	316, 433	2728-015	683	2733-010	239, 433	2739T-015C	316, 433
2421-007W	78, 369	2621-030	77, 373	2721-020PSR	352, 434	2728-015C	684	2733-010C	316, 434	2739T-020	239, 432
2421-010G	221, 369	2621-030G	77, 223	2721-020SR	239, 432	2728-020	683	2733-012	239, 433	2739T-020C	316, 433
2421-010W	78, 369		373	2721T-005CSR	316, 433	2728-020C	684	2733-012C	316, 434	2739VT-005	239, 432
2421-012G	221, 369	2621-040	77, 373	2721T-005PSR	352, 434	2729-005	239, 432	2733-015	239, 433	2739VT-005C	316, 433
2421-012W	78, 369	2621-040G	77, 223	2721T-005SR	239, 432	2729-005C	316, 433	2733-015C	316, 434	2739VT-007	239, 432
2421-015G	221, 369		373	2721T-007CSR	316, 433	2729-007	239, 432	2733-020	240, 433	2739VT-007C	316, 433
2421-015W	78, 369	2622-005	77, 373	2721T-007PSR	352, 434	2729-007C	316, 433	2733-020C	317, 434	2739VT-010	239, 432
2421-020G	221, 369	2622-005C	302, 373	2721T-007SR	239, 432	2729-010	239, 432	2733-025	240, 433	2739VT-010C	316, 433
2421-020W	78, 369	2622-005G	77, 223	2721T-01							



Spears Part Number Index

2793T-015	239, 433	280-100354	115, 608	280-101809	116, 612	280-102029	117, 611	280-103295	118, 609	2876-200	119, 611
2793T-015C	316, 434	280-100355	115, 608	280-101810	116, 612	280-102031	117, 611	280-103296	118, 609	2876-585	119, 611
2793T-020	240, 433	280-100356	115, 608	280-101811	116, 612	280-102033	117, 611	280-103297	118, 609	2876-626	119, 611
2793T-020C	317, 434	280-100357	115, 608	280-101812	116, 612	280-102034	117, 611	280-103298	118, 609	2876-628	119, 611
2793T-025	240, 433	280-100358	115, 608	280-101813	116, 612	280-102035	117, 611	280-103299	118, 609	2876-666	119, 611
2793T-025C	317, 434	280-100359	115, 608	280-101814	116, 612	280-102036	117, 611	280-103300	118, 609	2876-668	119, 611
2793T-025P	352, 434	280-100360	115, 608	280-101815	116, 612	280-102037	117, 611	280-103301	118, 609	2876-670	119, 611
2793T-030	240, 433	280-100474	115, 608	280-101816	116, 612	280-102048	117, 611	280-103302	118, 609	2876-726	119, 611
2793T-030C	317, 434	280-100475	115, 608	280-101817	116, 612	280-102050	117, 611	280-103303	118, 609	2876-728	119, 611
2793T-030P	352, 434	280-100476	115, 608	280-101818	116, 612	280-102051	117, 611	280-103304	118, 609	2876-730	119, 611
2793T-040	240, 433	280-100477	115, 608	280-101819	116, 612	280-102052	117, 611	280-103313	118, 609	2876-732	119, 611
2793T-040C	317, 434	280-100478	115, 608	280-101820	116, 612	280-102053	117, 611	280-103314	118, 609	2876-786	119, 611
2793T-040P	352, 434	280-100479	115, 608	280-101821	116, 612	280-102054	117, 611	280-103315	118, 609	2876-788	119, 611
2793T-060	240, 433	280-100480	115, 608	280-101822	116, 612	280-102055	117, 611	280-103316	118, 609	2876-790	119, 611
2793T-060C	317, 434	280-100592	115, 608	280-101823	116, 612	280-102067	117, 611	280-103317	118, 609	2876-792	119, 611
2793T-060P	352, 434	280-100593	115, 608	280-101824	116, 612	280-102069	117, 611	280-103318	118, 609	2876-795	119, 611
2793T-080	240, 433	280-100594	115, 608	280-101825	116, 612	280-102070	117, 611	280-103319	118, 609	2876-816	119, 611
2793T-080C	317, 434	280-100595	115, 608	280-101826	116, 612	280-102071	117, 611	280-103321	118, 609	2876-818	119, 611
2793T-080P	352, 434	280-100596	115, 608	280-101827	116, 612	280-102072	117, 611	280-103332	118, 609	2876-820	119, 611
2793VT-005	239, 433	280-100597	115, 608	280-101828	116, 612	280-102073	117, 611	280-103333	118, 609	2876-822	119, 611
2793VT-005C	316, 434	280-100598	115, 608	280-101829	116, 612	280-102074	117, 611	280-103334	118, 609	2876-825	119, 611
2793VT-007	239, 433	280-100702	115, 608	280-101830	116, 612	280-102075	117, 611	280-103335	118, 609	2876-828	119, 611
2793VT-007C	316, 434	280-100703	115, 608	280-101831	116, 612	280-102077	117, 612	280-103336	118, 609	2880-04030	118, 610
2793VT-010	239, 433	280-100704	115, 608	280-101883	116, 612	280-102136	117, 612	280-103337	118, 609	2880-06030	118, 610
2793VT-010C	316, 434	280-100705	115, 608	280-101884	116, 612	280-102137	117, 612	280-103338	118, 609	2880-08030	118, 610
2793VT-012	239, 433	280-100706	115, 608	280-101885	116, 612	280-102138	117, 612	280-103340	118, 609	2880-10030	118, 610
2793VT-012C	316, 434	280-100707	115, 608	280-101886	116, 612	280-102139	117, 612	280-103342	118, 609	2880-12030	118, 610
2793VT-015	239, 433	280-100708	115, 608	280-101887	116, 612	280-102140	117, 612	280-103343	118, 609	2880-15030	118, 610
2793VT-015C	316, 434	280-100812	115, 608	280-101888	116, 612	280-102141	117, 612	280-103344	118, 609	2880-18030	118, 610
2793VT-020	240, 433	280-100813	115, 608	280-101889	116, 612	280-102142	117, 612	280-103345	118, 609	2880-20030	118, 610
2793VT-020C	317, 434	280-100814	115, 608	280-101890	116, 612	280-102143	117, 612	280-103346	118, 610	2880-53230	118, 610
2793VT-025	240, 433	280-100815	115, 608	280-101891	116, 612	280-102499	117, 608	280-103347	118, 610	2880-58230	118, 610
2793VT-025C	317, 434	280-100816	115, 608	280-101892	116, 612	280-102500	117, 608	280-103348	118, 610	2880-58530	118, 610
2793VT-025P	352, 434	280-100817	115, 608	280-101893	116, 612	280-102501	117, 608	280-103349	118, 610	2880-62430	118, 610
2793VT-030	240, 433	280-100818	115, 608	280-101894	116, 612	280-102502	117, 608	280-103351	118, 610	2880-62630	118, 610
2793VT-030C	317, 434	280-100928	115, 609	280-101895	116, 612	280-102503	117, 608	280-103353	118, 610	2880-62830	118, 610
2793VT-030P	352, 434	280-100931	115, 609	280-101896	116, 612	280-102504	117, 608	280-103354	118, 609	2880-66430	118, 610
2793VT-040	240, 433	280-100933	115, 609	280-101897	116, 612	280-102505	117, 608	280-107539	117, 611	2880-66630	118, 610
2793VT-040C	317, 434	280-100934	115, 609	280-101898	116, 612	280-102506	117, 608	280-107540	117, 611	2880-66830	118, 610
2793VT-040P	352, 434	280-100935	115, 609	280-101899	116, 612	280-102507	117, 608	280-107541	117, 611	2880-67030	118, 610
2793VT-060	240, 433	280-100939	115, 609	280-101900	116, 612	280-102508	117, 608	280-107542	117, 611	2880-72430	118, 610
2793VT-060C	317, 434	280-100940	115, 609	280-101901	116, 612	280-102509	117, 608	280-107543	117, 611	2880-72630	118, 610
2793VT-060P	352, 434	280-100944	115, 609	280-101902	116, 612	280-102510	117, 608	280-107545	117, 611	2880-72830	118, 610
2793VT-080	240, 433	280-100945	115, 609	280-101903	116, 612	280-102511	117, 608	280-107547	117, 611	2880-73030	118, 610
2793VT-080C	317, 434	280-100946	115, 609	280-101904	116, 612	280-102512	117, 608	280-107548	117, 611	2880-73230	118, 610
2793VT-080P	352, 434	280-100953	115, 609	280-101905	116, 612	280-102513	117, 608	2829-626	115, 609	2880-78430	118, 610
2797T-005	239, 432	280-101534	115, 609	280-101906	116, 612	280-102514	117, 608	2829-726	115, 609	2880-78630	118, 610
2797T-005C	316, 433	280-101536	115, 609	280-101907	116, 612	280-102515	117, 608	2829-728	115, 609	2880-78830	118, 610
2797T-007	239, 432	280-101537	115, 609	280-101908	116, 612	280-102516	117, 608	2829-786	115, 609	2880-79030	118, 610
2797T-007C	316, 433	280-101538	115, 609	280-101909	116, 612	280-102517	117, 608	2829-788	115, 609	2880-79230	118, 610
2797T-010	239, 432	280-101539	115, 609	280-101910	116, 612	280-102518	117, 608	2829-816	115, 609	2880-79530	118, 610
2797T-010C	316, 433	280-101540	115, 609	280-101911	116, 612	280-102519	117, 608	2829-818	115, 609	2880-81430	118, 610
2797T-012	239, 432	280-101649	115, 609	280-101912	116, 612	280-102520	117, 608	2829-820	115, 609	2880-81630	118, 610
2797T-012C	316, 433	280-101650	115, 609	280-101913	116, 612	280-102521	117, 608	2829-822	115, 609	2880-81830	118, 610
2797T-015	239, 432	280-101651	116, 609	280-101914	116, 612	280-102522	117, 608	2829-825	115, 609	2880-82030	118, 610
2797T-015C	316, 433	280-101652	116, 609	280-101915	116, 612	280-102523	117, 608	2845-180	116, 609	2880-82230	118, 610
2797T-020	239, 432	280-101761	116, 609	280-101916	116, 612	280-102524	117, 608	2845-180P	116, 609	2880-82530	118, 610
2797T-020C	316, 433	280-101762	116, 609	280-101917	116, 612	280-102525	117, 608	2875-060	119, 611	2880-82830	118, 610
2797VT-005	239, 432	280-101763	116, 609	280-101918	116, 612	280-102526	117, 608	2875-080	119, 611	2881-06032	118, 610
2797VT-005C	316, 433	280-101764	116, 609	280-101919	116, 612	280-102527	117, 608	2875-100	119, 611	2881-08032	118, 610
2797VT-007	239, 432	280-101765	116, 609	280-101920	116, 612	280-102528	117, 608	2875-120	119, 611	2881-10032	118, 610
2797VT-007C	316, 433	280-101766	116, 609	280-101921	116, 612	280-102529	117, 608	2875-150	119, 611	2881-12032	118, 610
2797VT-010	239, 432	280-101767	116, 609	280-101922	116, 612	280-102530	117, 608	2875-183	119, 611	2881-15032	118, 610
2797VT-010C	316, 433	280-101768	116, 609	280-101923	116, 612	280-102531	117, 608	2875-200	119, 611	2881-53232	118, 610
2797VT-012	239, 432	280-101769	116, 609	280-101924	116, 612	280-102532	117, 608	2875-532	119, 611	2881-58232	118, 610
2797VT-012C	316, 433	280-101770	116, 609	280-101925	116, 612	280-102533	117, 608	2875-585	119, 611	2881-58532	118, 610
2797VT-015	239, 432	280-101777	116, 609	280-101926	116, 612	280-102534	117, 608	2875-626	119, 611	2881-62432	118, 610
2797VT-015C	316, 433	280-101778	116, 609	280-101937	117, 612	280-102535	117, 608	2875-628	119, 611	2881-62632	118, 610
2797VT-020	239, 432	280-101779	116, 609	280-101938	117, 612	280-102536	117, 608	2875-666	119, 611	2881-62832	118, 610
2797VT-020C	316, 433	280-101780	116, 609	280-101939	117, 612	280-102537	117, 608	2875-668	119, 611	2881-66432	118, 610
280-100001	115, 609	280-101781	116, 609	280-101940	117, 612	280-102538	117, 608	2875-670	119, 611	2881-66632	118, 610
280-100002	115, 609	280-101788	116, 612	280-101941	117, 612	280-102539	117, 608	2875-726	119, 611	2881-66832	118, 610
280-100003	115, 609										

Spears Part Number Index



2882-528	119, 610	290-100075	132, 625	290-100573	131, 624	290-102525	126, 619	290-103207	128, 621	290-104050	136, 629
2882-530	119, 610	290-100090	132, 625	290-100574	131, 624	290-102526	126, 619	290-103208	128, 621	290-104051	136, 629
2882-532	119, 610	290-100091	132, 625	290-100575	131, 624	290-102527	126, 619	290-103209	127, 620	290-104052	136, 629
2882-578	119, 610	290-100092	132, 625	290-100577	131, 624	290-102528	126, 619	290-103222	128, 621	290-104053	136, 629
2882-580	119, 610	290-100093	132, 625	290-100592	131, 624	290-102529	126, 619	290-103223	128, 621	290-104057	136, 629
2882-582	119, 610	290-100094	132, 625	290-100593	131, 624	290-102530	126, 619	290-103224	128, 621	290-104072	136, 629
2882-621	119, 610	290-100095	132, 625	290-100594	131, 624	290-102531	126, 619	290-103225	128, 621	290-104073	136, 629
2882-623	119, 610	290-100097	132, 625	290-100595	131, 624	290-102532	126, 619	290-103226	128, 621	290-104074	136, 629
2882-624	119, 610	290-100114	130, 623	290-100596	131, 624	290-102533	126, 619	290-103227	128, 621	290-104075	137, 630
2882-661	119, 610	290-100115	130, 623	290-100597	131, 624	290-102534	126, 619	290-103228	128, 621	290-104076	137, 630
2882-663	119, 610	290-100116	130, 623	290-100599	131, 624	290-102535	126, 619	290-103230	128, 621	290-104078	137, 630
2882-664	119, 610	290-100117	130, 623	290-100600	131, 624	290-102536	126, 619	290-103283	135, 628	290-104080	137, 630
2882-721	119, 610	290-100118	130, 623	290-100658	131, 624	290-102537	126, 619	290-103284	135, 628	290-104082	136, 629
2882-723	119, 610	290-100119	130, 623	290-100659	131, 624	290-102548	126, 619	290-103285	135, 628	290-1060PXI	129, 622
2882-724	119, 610	290-100121	130, 623	290-100660	131, 624	290-102549	126, 619	290-103286	135, 628	290-1080PXI	129, 622
2882-781	119, 610	290-100122	130, 623	290-100661	131, 624	290-102550	126, 619	290-103287	135, 628	290-1000PXI	129, 622
2882-783	119, 610	290-100186	130, 623	290-100662	131, 624	290-102551	126, 619	290-103288	135, 628	290-1200PXI	129, 622
2882-784	119, 610	290-100187	130, 623	290-100663	131, 624	290-102552	126, 619	290-103289	135, 628	290-210232	127, 620
2882-811	119, 610	290-100188	130, 623	290-100665	131, 624	290-102553	126, 619	290-103290	135, 628	290-2402	128, 621
2882-813	119, 610	290-100189	130, 623	290-100684	132, 625	290-102554	126, 619	290-103291	135, 628	290-240232	127, 620
2882-814	119, 610	290-100190	130, 623	290-100685	132, 625	290-102555	126, 619	290-103292	135, 628	290-270	126, 619
2883-52842	119, 610	290-100191	130, 623	290-100687	132, 625	290-102556	126, 619	290-103293	135, 628	290-2702	128, 621
2883-57842	119, 610	290-100193	130, 623	290-100702	132, 625	290-102558	126, 619	290-103294	135, 628	290-270232	127, 620
2883-58042	119, 610	290-100210	130, 623	290-100703	132, 625	290-102559	126, 619	290-103295	135, 628	290-585PXI	129, 622
2883-62142	119, 610	290-100211	130, 623	290-100704	132, 625	290-102560	126, 619	290-103296	135, 628	290-626PXI	129, 622
2883-62342	119, 610	290-100212	130, 623	290-100705	132, 625	290-102561	126, 619	290-103297	135, 628	290-628PXI	129, 622
2883-62442	119, 610	290-100213	130, 623	290-100706	132, 625	290-102562	126, 619	290-103298	135, 628	290-666PXI	129, 622
2883-66142	119, 610	290-100214	130, 623	290-100707	132, 625	290-102563	126, 619	290-103299	135, 628	290-668PXI	129, 622
2883-66342	119, 610	290-100215	130, 623	290-100709	132, 625	290-102564	126, 619	290-103300	135, 628	290-670PXI	129, 622
2883-66442	119, 610	290-100217	130, 623	290-100710	132, 625	290-102565	126, 619	290-103301	135, 628	290-726PXI	129, 622
2883-72442	119, 610	290-100234	130, 623	290-100768	132, 625	290-102566	126, 619	290-103302	135, 628	290-728PXI	129, 622
2883-78442	119, 610	290-100235	130, 623	290-100769	132, 625	290-102567	126, 619	290-103303	135, 628	290-730PXI	129, 622
2883-81442	119, 610	290-100236	130, 623	290-100770	132, 625	290-102569	126, 619	290-103304	135, 628	290-732PXI	129, 622
2884-53234	120, 613	290-100237	130, 623	290-100771	132, 625	290-102570	126, 619	290-103313	135, 628	290-786PXI	129, 622
2884-58234	120, 613	290-100238	130, 623	290-100772	132, 625	290-103061	126, 619	290-103314	135, 628	290-788PXI	129, 622
2884-58534	120, 613	290-100239	130, 623	290-100773	132, 625	290-103062	126, 619	290-103315	135, 628	290-790PXI	129, 622
2884-62434	120, 613	290-100241	130, 623	290-100775	132, 625	290-103065	127, 620	290-103316	135, 628	290-792PXI	129, 622
2884-62634	120, 613	290-100242	130, 623	290-100790	132, 625	290-103066	127, 620	290-103317	135, 628	290-846PXI	129, 622
2884-62834	120, 613	290-100306	130, 623	290-100791	132, 625	290-103067	126, 619	290-103318	136, 629	290-848PXI	129, 622
2884-66434	120, 613	290-100307	130, 623	290-100792	132, 625	290-103070	127, 620	290-103319	136, 629	290-850PXI	129, 622
2884-66634	120, 613	290-100308	130, 623	290-100793	132, 625	290-103071	127, 620	290-103321	135, 628	290-852PXI	129, 622
2884-66834	120, 613	290-100309	130, 623	290-100794	132, 625	290-103072	127, 620	290-103332	136, 629	290-906PXI	129, 622
2884-67034	120, 613	290-100310	130, 623	290-100795	132, 625	290-103073	127, 620	290-103333	136, 629	290-9062	128, 621
2884-72334	120, 613	290-100311	130, 623	290-100797	132, 625	290-103076	127, 620	290-103334	136, 629	290-906232	127, 620
2884-72634	120, 613	290-100313	130, 623	290-100812	129, 622	290-103077	127, 620	290-103335	136, 629	290-908PXI	129, 622
2884-72834	120, 613	290-100330	130, 623	290-100813	129, 622	290-103078	127, 620	290-103336	136, 629	290-9082	128, 621
2884-73034	120, 613	290-100331	130, 623	290-100814	129, 622	290-103079	127, 620	290-103337	136, 629	290-908232	127, 620
2884-73234	120, 613	290-100332	130, 623	290-100815	129, 622	290-103080	127, 620	290-103338	136, 629	290-910PXI	129, 622
2884-78434	120, 613	290-100333	130, 623	290-100816	129, 622	290-103083	127, 620	290-103340	136, 629	290-9102	128, 621
2884-78634	120, 613	290-100334	130, 623	290-100817	129, 622	290-103084	127, 620	290-103342	136, 629	290-910232	127, 620
2884-78834	120, 613	290-100335	130, 623	290-100819	129, 622	290-103085	127, 620	290-103355	136, 629	290-912PXI	129, 622
2884-79034	120, 613	290-100336	130, 623	290-100820	129, 622	290-103086	127, 620	290-103356	136, 629	290-9122	128, 621
2884-79234	120, 613	290-100354	130, 623	290-100878	129, 622	290-103087	127, 620	290-103357	136, 629	290-912232	127, 620
2884-81434	120, 613	290-100355	130, 623	290-100879	129, 622	290-103088	127, 620	290-103358	136, 629	290-9152	128, 621
2884-81634	120, 613	290-100356	130, 623	290-100880	129, 622	290-103091	127, 620	290-103359	136, 629	290-915232	127, 620
2884-81834	120, 613	290-100357	130, 623	290-100881	129, 622	290-103092	127, 620	290-103360	136, 629	290-9182	128, 621
2884-82034	120, 613	290-100358	130, 623	290-100882	129, 622	290-103093	127, 620	290-103361	136, 629	290-918232	127, 620
2884-82234	120, 613	290-100359	130, 623	290-100883	129, 622	290-103094	127, 620	290-103363	136, 629	290-9212	128, 621
2884-42715	124, 617	290-100361	130, 623	290-100885	129, 622	290-103095	127, 620	290-103365	136, 629	290-921232	127, 620
2884-53715	124, 617	290-100362	130, 623	290-100900	129, 622	290-103096	127, 620	290-103367	136, 629	290-934	126, 619
2884-59115	124, 617	290-100426	131, 624	290-100901	129, 622	290-103097	127, 620	290-103368	136, 629	290-936	126, 619
2884-63515	124, 617	290-100427	131, 624	290-100902	129, 622	290-103110	127, 620	290-103369	136, 629	290-9362	128, 621
2884-67815	124, 617	290-100428	131, 624	290-100903	129, 622	290-103111	127, 620	290-103370	136, 629	290-936232	127, 620
2885-58534	122, 615	290-100429	131, 624	290-100904	129, 622	290-103112	127, 620	290-103371	136, 629	290-938	126, 619
2885-62634	122, 615	290-100430	131, 624	290-100905	129, 622	290-103113	127, 620	290-103372	136, 629	290-9382	128, 621
2885-66634	122, 615	290-100431	131, 624	290-100907	129, 622	290-103114	127, 620	290-103373	136, 629	290-938232	127, 620
2885-72634	122, 615	290-100433	131, 624	290-102499	126, 619	290-103115	127, 620	290-103374	136, 629	290-940	126, 619
2885-78634	122, 615	290-100450	131, 624	290-102500	126, 619	290-103116	127, 620	290-103376	136, 629	290-9402	128, 621
2885-81634	122, 615	290-100451	131, 624	290-102501	126, 619	290-103173	127, 620	290-103378	136, 629	290-940232	127, 620
28850-06015	124, 617	290-100452	131, 624	290-102502	126, 619	290-103174	127, 620	290-103380	136, 629	290-942	126, 619
2888-532020	119, 610	290-100453	131, 624	290-102503	126, 619	290-103177	127, 620	290-103381	136, 629	290-9422	128, 621
2888-585030	119, 611	290-100454	131, 624	290-102504	126, 619	290-1031					



Spears Part Number Index

2911-2702	130, 623	2929-2402	132, 625	2929-84623	133, 626	2975-624	137, 630	300-100211	130, 623	300-100704	132, 625
2911-27023	130, 623	2929-24023	132, 625	2929-84632	134, 627	2975-626	137, 630	300-100212	130, 623	300-100705	132, 625
2915-2402	131, 624	2929-270	132, 625	2929-848	133, 626	2975-628	137, 630	300-100213	130, 623	300-100706	132, 625
2915-24023	131, 624	2929-2702	133, 626	2929-8482	135, 628	2975-664	137, 630	300-100214	130, 623	300-100707	132, 625
2915-270	131, 624	2929-27023	132, 625	2929-84823	133, 626	2975-666	137, 630	300-100215	130, 623	300-100709	132, 625
2915-2702	131, 624	2929-532	133, 135	2929-84832	134, 627	2975-668	137, 630	300-100217	130, 623	300-100710	132, 625
2915-27023	131, 624		626, 628	2929-850	133, 626	2975-670	137, 630	300-100234	130, 623	300-100768	132, 625
2916-2402	131, 624	2929-5322	134, 627	2929-8502	135, 628	2975-724	137, 630	300-100235	130, 623	300-100769	132, 625
2916-24023	131, 624	2929-53223	133, 626	2929-85023	133, 626	2975-726	137, 630	300-100236	130, 623	300-100770	132, 625
2916-270	130, 623	2929-53232	134, 627	2929-85032	134, 627	2975-728	137, 630	300-100237	130, 623	300-100771	132, 625
2916-2702	131, 624	2929-582	133, 626	2929-852	133, 626	2975-730	137, 630	300-100238	130, 623	300-100772	132, 625
2916-27023	131, 624	2929-5822	134, 627	2929-8522	135, 628	2975-732	137, 630	300-100239	130, 623	300-100773	132, 625
2917-2402	132, 625	2929-58223	133, 626	2929-85223	133, 626	2975-784	137, 630	300-100241	130, 623	300-100775	132, 625
2917-24023	131, 624	2929-58232	134, 627	2929-85232	134, 627	2975-786	137, 630	300-100242	130, 623	300-100790	132, 625
2917-270	131, 624	2929-585	133, 626	2929-855	133, 626	2975-788	138, 631	300-100306	130, 623	300-100791	132, 625
2917-2702	132, 625	2929-5852	134, 627	2929-8552	135, 628	2975-790	138, 631	300-100307	130, 623	300-100792	132, 625
2917-27023	131, 624	2929-58523	133, 626	2929-85523	133, 134	2975-792	138, 631	300-100308	130, 623	300-100793	132, 625
2918-2402	130, 623	2929-58532	134, 627		626, 627	2975-795	138, 631	300-100309	130, 623	300-100794	132, 625
2918-24023	130, 623	2929-624	133, 626	2929-85532	134, 627	3E-002	199, 282	300-100310	130, 623	300-100795	132, 625
2918-270	130, 623	2929-6242	134, 627	2929-858	133, 626	3E-003	199, 282	300-100311	130, 623	300-100797	132, 625
2918-2702	130, 623	2929-62423	133, 626	2929-8582	135, 628	3E-005	199, 282	300-100313	130, 623	300-100812	129, 622
2918-27023	130, 623	2929-62432	134, 627	2929-85823	134, 627	3E-007	199, 282	300-100330	130, 623	300-100813	129, 622
2920-060PXI	137, 630	2929-626	133, 626	2929-85832	134, 627	3E-010	199, 282	300-100331	130, 623	300-100814	129, 622
2920-080PXI	137, 630	2929-6262	134, 627	2929-906	133, 626	3E-012	199, 282	300-100332	130, 623	300-100815	129, 622
2920-100PXI	137, 630	2929-62623	133, 626	2929-9062	135, 628	3E-015	200, 282	300-100333	130, 623	300-100816	129, 622
2920-120PXI	137, 630	2929-62632	134, 627	2929-90623	134, 627	3E-020	200, 282	300-100334	130, 623	300-100817	129, 622
2920-2402	137, 630	2929-628	133, 626	2929-90632	134, 627	3E-025	200, 282	300-100335	130, 623	300-100819	129, 622
2920-270	136, 629	2929-6282	134, 627	2929-908	133, 626	3E-030	200, 282	300-100336	130, 623	300-100820	129, 622
2920-2702	137, 630	2929-62823	133, 626	2929-9082	135, 628	3E-040	200, 282	300-100354	130, 623	300-100878	129, 622
2920-585PXI	137, 630	2929-62832	134, 627	2929-90823	134, 627	3E-080	200, 282	300-100355	130, 623	300-100879	129, 622
2920-626PXI	137, 630	2929-664	133, 626	2929-90832	134, 627	3N-002	199, 282	300-100356	130, 623	300-100880	129, 622
2920-628PXI	137, 630	2929-6642	134, 627	2929-910	133, 626	3N-003	199, 282	300-100357	130, 623	300-100881	129, 622
2920-666PXI	137, 630	2929-66423	133, 626	2929-9102	135, 628	3N-005	199, 282	300-100358	130, 623	300-100882	129, 622
2920-668PXI	137, 630	2929-66432	134, 627	2929-91023	134, 627	3N-007	199, 282	300-100359	130, 623	300-100883	129, 622
2920-670PXI	137, 630	2929-666	133, 626	2929-91032	134, 627	3N-010	199, 282	300-100361	130, 623	300-100885	129, 622
2920-726PXI	137, 630	2929-6662	134, 627	2929-912	133, 626	3N-012	199, 282	300-100362	130, 623	300-100900	129, 622
2920-728PXI	137, 630	2929-66623	133, 626	2929-9122	135, 628	3N-015	199, 282	300-100426	131, 624	300-100901	129, 622
2920-730PXI	137, 630	2929-66632	134, 627	2929-91223	134, 627	3N-020	199, 282	300-100427	131, 624	300-100902	129, 622
2920-732PXI	137, 630	2929-668	133, 626	2929-91232	134, 627	3N-025	199, 282	300-100428	131, 624	300-100903	129, 622
2920-786PXI	137, 630	2929-6682	134, 627	2929-915	133, 626	3N-030	199, 282	300-100429	131, 624	300-100904	129, 622
2920-788PXI	137, 630	2929-66823	133, 626	2929-9152	135, 628	3N-040	199, 282	300-100430	131, 624	300-100905	129, 622
2920-790PXI	137, 630	2929-66832	134, 627	2929-91523	134, 627	3N-080	199, 282	300-100431	131, 624	300-100907	129, 622
2920-792PXI	137, 630	2929-670	133, 626	2929-91532	134, 627	3V-002	200, 282	300-100433	131, 624	300-100927	133, 133
2920-7952	136, 629	2929-6702	134, 627	2929-918	133, 626	3V-003	200, 282	300-100450	131, 624		626, 626
2920-846PXI	137, 630	2929-67023	133, 626	2929-9182	135, 628	3V-005	200, 282	300-100451	131, 624	300-100928	133, 626
2920-848PXI	137, 630	2929-67032	134, 627	2929-91823	134, 627	3V-007	200, 282	300-100452	131, 624	300-100930	133, 133
2920-850PXI	137, 630	2929-724	133, 626	2929-91832	134, 627	3V-010	200, 282	300-100453	131, 624		626, 626
2920-852PXI	137, 630	2929-7242	134, 627	2929-921	133, 626	3V-012	200, 282	300-100454	131, 624	300-100931	133, 626
2920-9042	137, 630	2929-72423	133, 626	2929-9212	135, 628	3V-015	200, 282	300-100455	131, 624	300-100933	133, 133
2920-906PXI	137, 630	2929-72432	134, 627	2929-92123	134, 627	3V-020	200, 282	300-100457	131, 624		626, 626
2920-9062	137, 630	2929-726	133, 626	2929-92132	134, 627	3V-025	200, 282	300-100474	131, 624	300-100934	133, 133
2920-908PXI	137, 630	2929-7262	134, 627	2929-936	133, 626	3V-030	200, 282	300-100475	131, 624		626, 626
2920-9082	137, 630	2929-72623	133, 626	2929-9362	135, 628	3V-040	200, 282	300-100476	131, 624	300-100935	133, 626
2920-910PXI	137, 630	2929-72632	134, 627	2929-93623	134, 627	3V-080	200, 282	300-100477	131, 624	300-100940	133, 626
2920-9102	137, 630	2929-728	133, 626	2929-93632	134, 627	300-100002	132, 625	300-100478	131, 624	300-100946	133, 626
2920-912PXI	137, 630	2929-7282	134, 627	2929-938	133, 626	300-100003	132, 625	300-100479	131, 624	300-100960	133, 626
2920-9122	137, 630	2929-72823	133, 626	2929-9382	135, 628	300-100004	132, 625	300-100481	131, 624	300-100969	133, 626
2920-9152	137, 630	2929-72832	134, 627	2929-93823	134, 627	300-100005	132, 625	300-100482	131, 624	300-101310	133, 626
2920-9182	137, 630	2929-730	133, 626	2929-93832	134, 627	300-100006	132, 625	300-100546	131, 624	300-101312	133, 626
2920-9212	137, 630	2929-73023	133, 626	2929-940	133, 626	300-100007	132, 625	300-100547	131, 624	300-101315	133, 626
2920-934	136, 629	2929-73032	134, 627	2929-9402	135, 628	300-100009	132, 625	300-100548	131, 624	300-101319	133, 626
2920-9342	137, 630	2929-732	133, 626	2929-94023	134, 627	300-100010	132, 625	300-100549	131, 624	300-101324	133, 626
2920-936	136, 629	2929-7322	135, 628	2929-94032	134, 627	300-100068	132, 625	300-100550	131, 624	300-101330	133, 626
2920-9362	137, 630	2929-73223	133, 626	2929-942	133, 626	300-100069	132, 625	300-100551	131, 624	300-101344	134, 627
2920-938	136, 629	2929-73232	134, 627	2929-9422	135, 628	300-100070	132, 625	300-100553	131, 624	300-101383	134, 627
2920-9382	137, 630	2929-784	133, 626	2929-94223	134, 627	300-100071	132, 625	300-100570	131, 624	300-101385	134, 627
2920-940	136, 629	2929-7842	135, 628	2929-94232	134, 627	300-100072	132, 625	300-100571	131, 624	300-101388	134, 627
2920-9402	137, 630	2929-78423	133, 626	2929-945	133, 626	300-100073	132, 625	300-100572	131, 624	300-101392	134, 627
2920-942	136, 629	2929-78432	134, 627	2929-9452	135, 628	300-100075	132, 625	300-100573	131, 624	300-101397	134, 627
2920-9422	137, 630	2929-786	133, 626	2929-94523	134, 627	300-100090	132, 625	300-100574	131, 624	300-101403	134, 627
2920-945	136, 629	2929-7862	135, 628	2929-94532	134, 627	300-100091	132, 625	300-100575	131, 624	300-101417	134, 627
2920-9452	137, 630	2929-78623	133, 626	2929-948	133, 626	300-100092	132, 625	300-100577	131, 624	300-101456	134, 627
2920-948	136, 629	2929-78632	134, 627	2929-9482	135, 628	300-100093	132, 625	300-100592	131, 624	300-101458	134, 627
2920-9482	137, 630	2929-788	133, 626	2929-94823	134, 627	300-100094	132, 625	300-100593	131,		

Spears Part Number Index



300-101790	139, 632	300-102088	138, 631	300-103087	127, 620	300-103357	136, 629	300-202362	128, 621	3001-954	126, 619
300-101791	139, 632	300-102089	138, 631	300-103088	127, 620	300-103358	136, 629	300-202364	128, 621	3001-9542	128, 621
300-101792	139, 632	300-102090	138, 631	300-103091	127, 620	300-103359	136, 629	300-202365	128, 621	3001-954232	127, 620
300-101793	139, 632	300-102091	138, 631	300-103092	127, 620	300-103360	136, 629	300-202367	128, 621	30040-532	138, 631
300-101794	139, 632	300-102092	138, 631	300-103093	127, 620	300-103361	136, 629	300-202369	128, 621	30040-582	138, 631
300-101797	139, 632	300-102093	138, 631	300-103094	127, 620	300-103363	136, 629	300-202370	128, 621	30040-585	138, 631
300-101798	139, 632	300-102094	138, 631	300-103095	127, 620	300-103365	136, 629	300-202372	128, 621	30040-624	138, 631
300-101799	139, 632	300-102095	138, 631	300-103096	127, 620	300-103367	136, 629	300-202374	128, 621	30040-626	138, 631
300-101800	139, 632	300-102499	126, 619	300-103097	127, 620	300-103368	136, 629	300-202375	128, 621	30040-628	138, 631
300-101801	139, 632	300-102500	126, 619	300-103110	127, 620	300-103369	136, 629	300-202377	128, 621	30040-664	138, 631
300-101802	139, 632	300-102501	126, 619	300-103111	127, 620	300-103370	136, 629	300-202379	128, 621	30040-666	138, 631
300-101804	139, 632	300-102502	126, 619	300-103112	127, 620	300-103371	136, 629	300-202380	128, 621	30040-668	138, 631
300-101805	139, 632	300-102503	126, 619	300-103113	127, 620	300-103372	136, 629	300-202382	128, 621	30040-670	138, 631
300-101806	139, 632	300-102504	126, 619	300-103114	127, 620	300-103373	136, 629	300-202384	128, 621	30040-724	138, 631
300-101807	139, 632	300-102505	126, 619	300-103115	127, 620	300-103374	136, 629	300-202385	129, 622	30040-726	138, 631
300-101808	139, 632	300-102506	126, 619	300-103116	127, 620	300-103376	136, 629	300-202432	129, 622	30040-728	138, 631
300-101809	139, 632	300-102507	126, 619	300-103173	127, 620	300-103378	136, 629	300-202434	129, 622	30040-730	138, 631
300-101811	139, 632	300-102508	126, 619	300-103174	127, 620	300-103380	136, 629	300-202435	129, 622	30040-732	138, 631
300-101812	139, 632	300-102509	126, 619	300-103177	127, 620	300-103381	136, 629	300-202437	129, 622	30040-784	138, 631
300-101813	139, 632	300-102510	126, 619	300-103178	127, 620	300-103700	137, 630	300-202439	129, 622	30040-786	138, 631
300-101814	139, 632	300-102511	126, 619	300-103179	127, 620	300-104000	136, 629	300-202440	129, 622	30040-788	138, 631
300-101815	139, 632	300-102512	126, 619	300-103182	127, 620	300-104001	136, 629	300-202442	129, 622	30040-790	138, 631
300-101817	139, 632	300-102513	126, 619	300-103183	127, 620	300-104004	136, 629	300-202444	129, 622	30040-792	138, 631
300-101818	139, 632	300-102514	126, 619	300-103184	127, 620	300-104005	136, 629	300-202445	129, 622	30040-795	138, 631
300-101819	139, 632	300-102515	126, 619	300-103185	127, 620	300-104006	136, 629	300-202447	129, 622	30040-844	138, 631
300-101820	139, 632	300-102516	126, 619	300-103188	127, 620	300-104009	136, 629	300-202449	129, 622	30040-846	138, 631
300-101822	139, 632	300-102517	126, 619	300-103189	127, 620	300-104010	136, 629	300-202450	129, 622	30040-848	138, 631
300-101823	139, 632	300-102518	126, 619	300-103190	127, 620	300-104011	136, 629	300-202452	129, 622	30040-850	138, 631
300-101824	139, 632	300-102519	126, 619	300-103191	127, 620	300-104012	136, 629	300-202454	129, 622	30040-852	138, 631
300-101826	139, 632	300-102520	126, 619	300-103192	127, 620	300-104015	136, 629	300-202455	129, 622	30040-855	138, 631
300-101827	139, 632	300-102521	126, 619	300-103195	127, 620	300-104016	136, 629	3001-060PXI	129, 622	30040-858	138, 631
300-101829	139, 632	300-102522	126, 619	300-103196	127, 620	300-104017	136, 629	3001-080PXI	129, 622	30040-904	138, 631
300-101884	139, 632	300-102523	126, 619	300-103197	127, 620	300-104018	136, 629	3001-100PXI	129, 622	30040-906	138, 631
300-101885	139, 632	300-102524	126, 619	300-103198	127, 620	300-104019	136, 629	3001-120PXI	129, 622	30040-908	138, 631
300-101886	139, 632	300-102525	126, 619	300-103199	127, 620	300-104030	136, 629	3001-210232	127, 620	30040-910	138, 631
300-101887	139, 632	300-102526	126, 619	300-103200	127, 620	300-104031	136, 629	3001-2402	128, 621	30040-915	139, 632
300-101888	139, 632	300-102527	126, 619	300-103203	127, 620	300-104032	136, 629	3001-240232	127, 620	30040-918	139, 632
300-101889	140, 633	300-102528	126, 619	300-103204	127, 620	300-104033	136, 629	3001-270	126, 619	30040-921	139, 632
300-101892	139, 632	300-102529	126, 619	300-103205	127, 620	300-104034	136, 629	3001-2702	128, 621	3006-2402	129, 622
300-101893	139, 632	300-102530	126, 619	300-103206	128, 621	300-104036	136, 629	3001-270232	127, 620	3006-24023	129, 622
300-101894	139, 632	300-102531	126, 619	300-103207	128, 621	300-104049	136, 629	3001-585PXI	129, 622	3006-270	129, 622
300-101895	139, 632	300-102532	126, 619	300-103208	128, 621	300-104050	136, 629	3001-628PXI	129, 622	3006-2702	130, 623
300-101896	139, 632	300-102533	126, 619	300-103209	127, 620	300-104051	136, 629	3001-670PXI	129, 622	3006-27023	129, 622
300-101897	140, 633	300-102534	126, 619	300-103222	128, 621	300-104052	136, 629	3001-730PXI	129, 622	3011-2402	130, 623
300-101899	139, 632	300-102535	126, 619	300-103223	128, 621	300-104053	136, 629	3001-786PXI	129, 622	3011-24023	130, 623
300-101900	139, 632	300-102536	126, 619	300-103224	128, 621	300-104057	136, 629	3001-788PXI	129, 622	3011-270	130, 623
300-101901	139, 632	300-102537	126, 619	300-103225	128, 621	300-104072	136, 629	3001-790PXI	129, 622	3011-2702	130, 623
300-101902	139, 632	300-102548	126, 619	300-103226	128, 621	300-104073	136, 629	3001-792PXI	129, 622	3011-27023	130, 623
300-101903	139, 632	300-102549	126, 619	300-103227	128, 621	300-104074	136, 629	3001-846PXI	129, 622	3015-2402	131, 624
300-101904	140, 633	300-102550	126, 619	300-103228	128, 621	300-104075	137, 630	3001-848PXI	129, 622	3015-24023	131, 624
300-101906	139, 632	300-102551	126, 619	300-103230	128, 621	300-104076	137, 630	3001-850PXI	129, 622	3015-270	131, 624
300-101907	139, 632	300-102552	126, 619	300-103283	135, 628	300-104078	137, 630	3001-852PXI	129, 622	3015-2702	131, 624
300-101908	139, 632	300-102553	126, 619	300-103284	135, 628	300-104080	137, 630	3001-906PXI	129, 622	3015-27023	131, 624
300-101909	139, 632	300-102554	126, 619	300-103285	135, 628	300-104082	136, 629	3001-9062	128, 621	3016-2402	131, 624
300-101910	140, 633	300-102555	126, 619	300-103286	135, 628	300-107540	139, 632	3001-906232	127, 620	3016-24023	131, 624
300-101912	139, 632	300-102556	126, 619	300-103287	135, 628	300-107541	139, 632	3001-908PXI	129, 622	3016-270	130, 623
300-101913	139, 632	300-102558	126, 619	300-103288	135, 628	300-107542	139, 632	3001-9082	128, 621	3016-2702	131, 624
300-101914	140, 633	300-102559	126, 619	300-103289	135, 628	300-107543	139, 632	3001-908232	127, 620	3016-27023	131, 624
300-101915	140, 633	300-102560	126, 619	300-103290	135, 628	300-107545	139, 632	3001-910PXI	129, 622	3017-2402	132, 625
300-101917	139, 632	300-102561	126, 619	300-103291	135, 628	300-107547	139, 632	3001-9102	128, 621	3017-24023	131, 624
300-101918	140, 633	300-102562	126, 619	300-103292	135, 628	300-107549	139, 632	3001-910232	127, 620	3017-270	131, 624
300-101919	140, 633	300-102563	126, 619	300-103293	135, 628	300-107550	139, 632	3001-912PXI	129, 622	3017-2702	132, 625
300-101921	140, 633	300-102564	126, 619	300-103294	135, 628	300-202152	128, 621	3001-9122	128, 621	3017-27023	131, 624
300-101922	140, 633	300-102565	126, 619	300-103295	135, 628	300-202154	128, 621	3001-912232	127, 620	3018-2402	130, 623
300-101924	140, 633	300-102566	126, 619	300-103296	135, 628	300-202155	128, 621	3001-9152	128, 621	3018-24023	130, 623
300-102013	138, 631	300-102567	126, 619	300-103297	135, 628	300-202157	128, 621	3001-915232	127, 620	3018-270	130, 623
300-102015	138, 631	300-102569	126, 619	300-103298	135, 628	300-202159	128, 621	3001-9182	128, 621	3018-2702	130, 623
300-102018	138, 631	300-102570	126, 619	300-103299	135, 628	300-202160	128, 621	3001-918232	127, 620	3018-27023	130, 623
300-102020	138, 631	300-102599	129, 622	300-103300	135, 628	300-202162	128, 621	3001-9212	128, 621	302-007	668
300-102021	138, 631	300-102607	129, 622	300-103301	135, 628	300-202164	128, 621	3001-921232	127, 620	302-010	668
300-102024	138, 631	300-102708	129, 622	300-103302	135, 628	300-202165	128, 621	3001-934	126, 619	302-010G	668
300-102026	138, 631	300-102709	129, 622	300-103303	135						



Spears Part Number Index

3020-728PXI	137, 630	3029-73023	133, 626	3029-94823	134, 627	310-101908	153, 646	310-107542	152, 645	320-100878	145, 638
3020-730PXI	137, 630	3029-73032	134, 627	3029-94832	134, 627	310-101912	153, 646	310-107543	152, 645	320-100879	145, 638
3020-732PXI	137, 630	3029-784	133, 626	3029-951	133, 626	310-101913	153, 646	320-100002	149, 642	320-100880	145, 638
3020-786PXI	137, 630	3029-7842	135, 628	3029-9512	135, 628	310-101917	153, 646	320-100003	149, 642	320-100881	145, 638
3020-788PXI	137, 630	3029-78423	133, 626	3029-95123	134, 627	310-101937	152, 645	320-100004	149, 642	320-100900	145, 638
3020-790PXI	137, 630	3029-78432	134, 627	3029-95132	134, 627	310-101938	152, 645	320-100005	149, 642	320-100901	145, 638
3020-792PXI	137, 630	3029-786	133, 626	3029-954	133, 626	310-101939	152, 645	320-100067	149, 642	320-100902	145, 638
3020-7952	136, 629	3029-7862	135, 628	3029-9542	135, 628	310-101940	152, 645	320-100068	149, 642	320-100903	145, 638
3020-846PXI	137, 630	3029-78623	133, 626	3029-95423	134, 627	310-101949	153, 646	320-100069	149, 642	320-100926	149, 642
3020-848PXI	137, 630	3029-78632	134, 627	3029-95432	134, 627	310-101950	153, 646	320-100070	149, 642	320-100928	149, 642
3020-850PXI	137, 630	3029-788	133, 626	3047-270	139, 632	310-101951	153, 646	320-100071	149, 642	320-100931	149, 642
3020-852PXI	137, 630	3029-7882	135, 628	307-007	668	310-101952	153, 646	320-100089	149, 642	320-100935	149, 642
3020-9042	137, 630	3029-78823	133, 626	307-010	668	310-102013	151, 644	320-100090	149, 642	320-101310	149, 642
3020-906PXI	137, 630	3029-78832	134, 627	307-131	668	310-102015	151, 644	320-100091	149, 642	320-101312	149, 642
3020-9062	137, 630	3029-790	133, 626	307-211	668	310-102016	151, 644	320-100092	149, 642	320-101315	149, 642
3020-908PXI	137, 630	3029-7902	135, 628	310-100002	149, 642	310-102018	151, 644	320-100093	149, 642	320-101319	149, 642
3020-9082	137, 630	3029-79023	133, 626	310-100003	149, 642	310-102020	151, 644	320-100114	146, 639	320-101383	149, 642
3020-910PXI	137, 630	3029-79032	134, 627	310-100004	149, 642	310-102021	151, 644	320-100115	146, 639	320-101385	149, 642
3020-9102	137, 630	3029-792	133, 626	310-100005	149, 642	310-102022	151, 644	320-100116	146, 639	320-101388	149, 642
3020-912PXI	137, 630	3029-7922	135, 628	310-100006	149, 642	310-102024	151, 644	320-100117	146, 639	320-101392	149, 642
3020-9122	137, 630	3029-79223	133, 626	310-100114	146, 639	310-102026	151, 644	320-100186	146, 639	320-101456	150, 643
3020-9152	137, 630	3029-79232	134, 627	310-100115	146, 639	310-102027	151, 644	320-100187	146, 639	320-101458	150, 643
3020-9182	137, 630	3029-844	133, 626	310-100116	146, 639	310-102028	151, 644	320-100188	146, 639	320-101461	150, 643
3020-9212	137, 630	3029-846	133, 626	310-100117	146, 639	310-102029	152, 645	320-100189	146, 639	320-101465	150, 643
3020-934	136, 629	3029-8462	135, 628	310-100118	146, 639	310-102031	152, 645	320-100210	146, 639	320-102499	142, 635
3020-9342	137, 630	3029-84623	133, 626	310-100234	146, 639	310-102033	152, 645	320-100211	146, 639	320-102500	142, 635
3020-936	136, 629	3029-84632	134, 627	310-100235	146, 639	310-102034	152, 645	320-100212	146, 639	320-102501	142, 635
3020-9362	137, 630	3029-848	133, 626	310-100236	146, 639	310-102035	152, 645	320-100213	146, 639	320-102502	142, 635
3020-938	136, 629	3029-8482	135, 628	310-100237	146, 639	310-102036	152, 645	320-100234	146, 639	320-102503	142, 635
3020-9382	137, 630	3029-84823	133, 626	310-100238	146, 639	310-102037	152, 645	320-100235	146, 639	320-102504	142, 635
3020-940	136, 629	3029-84832	134, 627	310-100354	147, 640	310-102499	142, 635	320-100236	146, 639	320-102505	142, 635
3020-9402	137, 630	3029-850	133, 626	310-100355	147, 640	310-102500	142, 635	320-100237	146, 639	320-102506	142, 635
3020-942	136, 629	3029-8502	135, 628	310-100356	147, 640	310-102501	142, 635	320-100306	146, 639	320-102507	142, 635
3020-9422	137, 630	3029-85023	133, 626	310-100357	147, 640	310-102502	142, 635	320-100307	146, 639	320-102508	142, 635
3020-945	136, 629	3029-85032	134, 627	310-100358	147, 640	310-102503	142, 635	320-100308	146, 639	320-102509	142, 635
3020-9452	137, 630	3029-852	133, 626	310-100474	147, 640	310-102504	142, 635	320-100309	146, 639	320-102510	142, 635
3020-948	136, 629	3029-8522	135, 628	310-100475	147, 640	310-102505	142, 635	320-100330	146, 639	320-102511	142, 635
3020-9482	137, 630	3029-85223	133, 626	310-100476	147, 640	310-102506	142, 635	320-100331	146, 639	320-102512	142, 635
3020-951	136, 629	3029-85232	134, 627	310-100477	147, 640	310-102507	142, 635	320-100332	146, 639	320-102513	142, 635
3020-9512	137, 630	3029-855	133, 626	310-100478	147, 640	310-102508	142, 635	320-100333	146, 639	320-102514	142, 635
3020-954	136, 629	3029-8552	135, 628	310-100592	148, 641	310-102509	142, 635	320-100354	147, 640	320-102515	142, 635
3020-9542	137, 630	3029-85523	133, 626	310-100593	148, 641	310-102510	142, 635	320-100355	147, 640	320-102516	142, 635
3024-2402	132, 625	3029-85532	134, 627	310-100594	148, 641	310-102511	142, 635	320-100356	147, 640	320-102517	142, 635
3024-24023	132, 625	3029-906	133, 626	310-100595	148, 641	310-102512	142, 635	320-100357	147, 640	320-102518	142, 635
3024-270	132, 625	3029-9062	135, 628	310-100596	148, 641	310-102513	142, 635	320-100426	147, 640	320-102519	142, 635
3024-2702	132, 625	3029-90623	134, 627	310-100702	148, 641	310-102514	142, 635	320-100427	147, 640	320-102520	142, 635
3024-27023	132, 625	3029-90632	134, 627	310-100703	148, 641	310-102515	142, 635	320-100428	147, 640	320-103058	143, 636
3028-060	132, 625	3029-908	133, 626	310-100704	148, 641	310-102516	142, 635	320-100429	147, 640	320-103061	143, 636
3028-080	132, 625	3029-9082	135, 628	310-100705	148, 641	310-102517	142, 635	320-100450	147, 640	320-103062	143, 636
3028-100	132, 625	3029-90823	134, 627	310-100706	148, 641	310-102518	142, 635	320-100451	147, 640	320-103065	143, 636
3028-120	132, 625	3029-90832	134, 627	310-100812	145, 638	310-102519	142, 635	320-100452	147, 640	320-103066	143, 636
3028-150	132, 625	3029-910	133, 626	310-100813	145, 638	310-102520	142, 635	320-100453	147, 640	320-103067	143, 636
3028-180	132, 625	3029-9102	135, 628	310-100814	145, 638	310-102521	142, 635	320-100474	147, 640	320-103070	143, 636
3028-210	132, 625	3029-91023	134, 627	310-100815	145, 638	310-102522	142, 635	320-100475	147, 640	320-103071	143, 636
3028-240	132, 625	3029-91032	134, 627	310-100816	145, 638	310-102523	142, 635	320-100476	147, 640	320-103072	143, 636
3028-270	132, 625	3029-912	133, 626	310-100926	149, 642	310-102524	142, 635	320-100477	147, 640	320-103073	143, 636
3029-2402	132, 625	3029-9122	135, 628	310-100928	149, 642	310-102525	142, 635	320-100546	147, 640	320-103076	143, 636
3029-24023	132, 625	3029-91223	134, 627	310-100931	149, 642	310-102526	142, 635	320-100547	147, 640	320-103077	143, 636
3029-270	132, 625	3029-91232	134, 627	310-100935	149, 642	310-102527	143, 636	320-100548	147, 640	320-103078	143, 636
3029-2702	133, 626	3029-915	133, 626	310-100940	149, 642	310-102528	143, 636	320-100549	147, 640	320-103079	143, 636
3029-27023	132, 625	3029-9152	135, 628	310-101789	152, 645	310-103283	150, 643	320-100570	147, 640	320-103080	143, 636
3029-532	133, 626	3029-91523	134, 627	310-101790	152, 645	310-103284	150, 643	320-100571	147, 640	320-103170	143, 636
3029-5822	134, 627	3029-91532	134, 627	310-101791	152, 645	310-103285	150, 643	320-100572	147, 640	320-103173	143, 636
3029-58232	134, 627	3029-918	133, 626	310-101792	152, 645	310-103286	150, 643	320-100573	147, 640	320-103174	143, 636
3029-624	133, 626	3029-9182	135, 628	310-101797	152, 645	310-103287	150, 643	320-100592	148, 641	320-103177	143, 636
3029-6242	134, 627	3029-91823	134, 627	310-101798	152, 645	310-103288	150, 643	320-100593	148, 641	320-103178	143, 636
3029-62423	133, 626	3029-91832	134, 627	310-101799	152, 645	310-103289	150, 643	320-100594	148, 641	320-103179	143, 636
3029-62432	134, 627	3029-9212	135, 628	310-101800	153, 646	310-103290	150, 643	320-100595	148, 641	320-103182	143, 636
3029-626PXI	135, 628	3029-92123	134, 627	310-101804	152, 645	310-103291	150, 643	320-100658	148, 641	320-103183	143, 636
3029-6262	134, 627	3029-92132	134, 627	310-101805	152, 645	310-103292	150, 643	320-100659	148, 641	320-103184	143, 636
3029-62632	134, 627	3029-936	133, 626	310-101806	152, 645	310-103293	150, 643	320-100660	148, 641	320-103185	143, 636
3029-664	133, 626	3029-9362	135, 628	310-101807	153, 646	310-103294	150, 643	320-100661	148, 641	320-103188	143, 636
3029-6642	134, 627	3029-93623	134, 627	310-10							

Spears Part Number Index



320-103296	150, 643	330-100475	147, 640	330-101886	153, 646	330-103288	150, 643	3301-0602P	127, 620	3301-7322P	127, 620
320-103297	150, 643	330-100476	147, 640	330-101887	153, 646	330-103289	150, 643	3301-060232P	126, 619	3301-732232P	127, 620
320-103298	150, 643	330-100477	147, 640	330-101892	153, 646	330-103290	150, 643	3301-080P	126, 619	3301-781P	126, 619
320-103299	150, 643	330-100545	147, 640	330-101893	153, 646	330-103291	150, 643	3301-080PXI	129, 622	3301-783P	126, 619
320-103300	150, 643	330-100546	147, 640	330-101894	153, 646	330-103292	150, 643	3301-0802P	127, 620	3301-784P	126, 619
320-103301	150, 643	330-100547	147, 640	330-101895	153, 646	330-103293	150, 643	3301-080232P	126, 619	3301-7842P	127, 620
320-103302	150, 643	330-100548	147, 640	330-101899	153, 646	330-103294	150, 643	3301-100P	126, 619	3301-784232P	127, 620
320-103303	150, 643	330-100549	147, 640	330-101900	153, 646	330-103295	150, 643	3301-100PXI	129, 622	3301-786P	126, 619
320-103304	150, 643	330-100569	147, 640	330-101901	153, 646	330-103296	150, 643	3301-1002P	127, 620	3301-786PXI	129, 622
320-103997	151, 644	330-100570	147, 640	330-101902	153, 646	330-103297	150, 643	3301-100232P	127, 620	3301-7862P	127, 620
320-104000	151, 644	330-100571	147, 640	330-101906	153, 646	330-103298	150, 643	3301-120P	126, 619	3301-786232P	127, 620
320-104001	151, 644	330-100572	147, 640	330-101907	153, 646	330-103299	150, 643	3301-120PXI	129, 622	3301-788P	126, 619
320-104004	151, 644	330-100573	147, 640	330-101908	153, 646	330-103300	150, 643	3301-1202P	127, 620	3301-788PXI	129, 622
320-104005	151, 644	330-100592	148, 641	330-101912	153, 646	330-103301	150, 643	3301-120232P	127, 620	3301-7882P	127, 620
320-104006	151, 644	330-100593	148, 641	330-101913	153, 646	330-103302	150, 643	3301-150P	126, 619	3301-788232P	127, 620
320-104009	151, 644	330-100594	148, 641	330-101917	153, 646	330-103303	150, 643	3301-1502P	127, 620	3301-790P	126, 619
320-104010	151, 644	330-100595	148, 641	330-102013	151, 644	330-103304	150, 643	3301-150232P	127, 620	3301-790PXI	129, 622
320-104011	151, 644	330-100657	148, 641	330-102015	151, 644	330-103997	151, 644	3301-180P	126, 619	3301-7902P	128, 621
320-104012	151, 644	330-100658	148, 641	330-102018	151, 644	330-104000	151, 644	3301-1802P	127, 620	3301-790232P	127, 620
320-104015	151, 644	330-100659	148, 641	330-102020	151, 644	330-104001	151, 644	3301-180232P	127, 620	3301-792P	126, 619
320-104016	151, 644	330-100660	148, 641	330-102021	151, 644	330-104004	151, 644	3301-210P	126, 619	3301-792PXI	129, 622
320-104017	151, 644	330-100661	148, 641	330-102024	151, 644	330-104005	151, 644	3301-2102P	128, 621	3301-7922P	128, 621
320-104018	151, 644	330-100679	148, 641	330-102026	151, 644	330-104006	151, 644	3301-210232P	127, 620	3301-792232P	127, 620
320-104019	151, 644	330-100680	148, 641	330-102027	151, 644	330-104009	151, 644	3301-240P	126, 619	3301-795P	126, 619
3228-040	150, 643	330-100681	148, 641	330-102028	151, 644	330-104010	151, 644	3301-2402P	128, 621	3301-7952P	128, 621
3228-060	150, 643	330-100682	148, 641	330-102029	152, 645	330-104011	151, 644	3301-240232P	127, 620	3301-795232P	127, 620
3228-080	150, 643	330-100683	148, 641	330-102031	152, 645	330-104012	151, 644	3301-270P	126, 619	3301-841P	126, 619
3228-100	150, 643	330-100701	148, 641	330-102033	152, 645	330-104015	151, 644	3301-2702P	128, 621	3301-843P	126, 619
3228-120	150, 643	330-100702	148, 641	330-102034	152, 645	330-104016	151, 644	3301-270232P	127, 620	3301-844P	126, 619
3228-140	150, 643	330-100703	148, 641	330-102035	152, 645	330-104017	151, 644	3301-528P	126, 619	3301-8442P	128, 621
3228-160	150, 643	330-100704	148, 641	330-102036	152, 645	330-104018	151, 644	3301-530P	126, 619	3301-844232P	127, 620
330-100002	149, 642	330-100705	148, 641	330-102037	152, 645	330-104019	151, 644	3301-532P	126, 619	3301-846P	126, 619
330-100003	149, 642	330-100767	148, 641	330-102499	142, 635	330-107540	152, 645	3301-5322P	127, 620	3301-846PXI	129, 622
330-100004	149, 642	330-100768	148, 641	330-102500	142, 635	330-107541	152, 645	3301-532232P	126, 619	3301-8462P	128, 621
330-100005	149, 642	330-100769	148, 641	330-102501	142, 635	330-107542	152, 645	3301-578P	126, 619	3301-846232P	127, 620
330-100067	149, 642	330-100770	148, 641	330-102502	142, 635	330-107543	152, 645	3301-580P	126, 619	3301-848P	126, 619
330-100068	149, 642	330-100771	148, 641	330-102503	142, 635	330-107565	152, 645	3301-582P	126, 619	3301-848PXI	129, 622
330-100069	149, 642	330-100789	148, 641	330-102504	142, 635	330-107566	152, 645	3301-5822P	127, 620	3301-8482P	128, 621
330-100070	149, 642	330-100790	148, 641	330-102505	142, 635	330-107567	152, 645	3301-582232P	127, 620	3301-848232P	127, 620
330-100071	149, 642	330-100791	148, 641	330-102506	142, 635	330-107568	152, 645	3301-585P	126, 619	3301-850P	126, 619
330-100089	149, 642	330-100792	148, 641	330-102507	142, 635	330-107569	152, 645	3301-585PXI	129, 622	3301-850PXI	129, 622
330-100090	149, 642	330-100793	148, 641	330-102508	142, 635	330-202152	144, 637	3301-5852P	127, 620	3301-8502P	128, 621
330-100091	149, 642	330-100812	145, 638	330-102509	142, 635	330-202154	144, 637	3301-585232P	127, 620	3301-850232P	127, 620
330-100092	149, 642	330-100813	145, 638	330-102510	142, 635	330-202155	144, 637	3301-621P	126, 619	3301-852P	126, 619
330-100093	149, 642	330-100814	145, 638	330-102511	142, 635	330-202157	144, 637	3301-623P	126, 619	3301-852PXI	129, 622
330-100113	146, 639	330-100815	145, 638	330-102512	142, 635	330-202159	144, 637	3301-624P	126, 619	3301-8522P	128, 621
330-100114	146, 639	330-100877	145, 638	330-102513	142, 635	330-202160	144, 637	3301-6242P	127, 620	3301-852232P	127, 620
330-100115	146, 639	330-100878	145, 638	330-102514	142, 635	330-202162	144, 637	3301-624232P	127, 620	3301-855P	126, 619
330-100116	146, 639	330-100879	145, 638	330-102515	142, 635	330-202164	144, 637	3301-626P	126, 619	3301-8552P	128, 621
330-100117	146, 639	330-100880	145, 638	330-102516	142, 635	330-202165	144, 637	3301-626PXI	129, 622	3301-855232P	127, 620
330-100185	146, 639	330-100881	145, 638	330-102517	142, 635	330-202167	144, 637	3301-6262P	127, 620	3301-858P	126, 619
330-100186	146, 639	330-100899	145, 638	330-102518	142, 635	330-202169	144, 637	3301-626232P	127, 620	3301-8582P	128, 621
330-100187	146, 639	330-100900	145, 638	330-102519	142, 635	330-202170	144, 637	3301-628P	126, 619	3301-858232P	127, 620
330-100188	146, 639	330-100901	145, 638	330-102520	142, 635	330-202222	144, 637	3301-628PXI	129, 622	3301-901P	126, 619
330-100189	146, 639	330-100902	145, 638	330-103058	143, 636	330-202224	144, 637	3301-6282P	127, 620	3301-903P	126, 619
330-100209	146, 639	330-100903	145, 638	330-103061	143, 636	330-202225	144, 637	3301-628232P	127, 620	3301-904P	126, 619
330-100210	146, 639	330-100926	149, 642	330-103062	143, 636	330-202227	144, 637	3301-661P	126, 619	3301-906P	126, 619
330-100211	146, 639	330-100928	149, 642	330-103065	143, 636	330-202229	144, 637	3301-663P	126, 619	3301-906PXI	129, 622
330-100212	146, 639	330-100931	149, 642	330-103066	143, 636	330-202230	144, 637	3301-664P	126, 619	3301-9062P	128, 621
330-100213	146, 639	330-100935	149, 642	330-103067	143, 636	330-202232	144, 637	3301-6642P	127, 620	3301-906232P	127, 620
330-100233	146, 639	330-101310	149, 642	330-103070	143, 636	330-202234	144, 637	3301-664232P	127, 620	3301-908P	126, 619
330-100234	146, 639	330-101312	149, 642	330-103071	143, 636	330-202235	144, 637	3301-666P	126, 619	3301-908PXI	129, 622
330-100235	146, 639	330-101315	149, 642	330-103072	143, 636	330-202237	144, 637	3301-666PXI	129, 622	3301-9082P	128, 621
330-100236	146, 639	330-101319	149, 642	330-103073	143, 636	330-202239	144, 637	3301-6662P	127, 620	3301-908232P	127, 620
330-100237	146, 639	330-101383	149, 642	330-103076	143, 636	330-202240	144, 637	3301-666232P	127, 620	3301-910P	126, 619
330-100305	146, 639	330-101385	149, 642	330-103077	143, 636	330-202362	144, 637	3301-668P	126, 619	3301-910PXI	129, 622
330-100306	146, 639	330-101388	149, 642	330-103078	143, 636	330-202364	144, 637	3301-668PXI	129, 622	3301-9102P	128, 621
330-100307	146, 639	330-101392	149, 642	330-103079	143, 636	330-202365	144, 637	3301-6682P	127, 620	3301-910232P	127, 620
330-100308	146, 639	330-101456	150, 643	330-103080	143, 636	330-202367	144, 637	3301-668232P	127, 620	3301-912P	126, 619
330-100309	146, 639	330-101458	150, 643	330-103170	143, 636	330-202369	144, 637	3301-670P	126, 619	3301-912PXI	129, 622
330-100329	146, 639	330-101461	150, 643	330-103173	143, 636	330-202370	144, 637	3301-670PXI	129, 622	3301-9122P	



Spears Part Number Index

3301-9422P	128, 621	3315-060P	131, 624	3318-180P	130, 623	3320-788PXI	137, 630	3324-2402P	132, 625	3329-726P	133, 626
3301-942232P	127, 620	3315-0602P	131, 624	3318-1802P	130, 623	3320-7882P	136, 629	3324-24023P	132, 625	3329-7262P	134, 627
3301-945P	126, 619	3315-06023P	131, 624	3318-18023P	130, 623	3320-790P	136, 629	3324-270P	132, 625	3329-72623P	133, 626
3301-9452P	128, 621	3315-080P	131, 624	3318-210P	130, 623	3320-790PXI	137, 630	3324-2702P	132, 625	3329-72632P	134, 627
3301-945232P	127, 620	3315-0802P	131, 624	3318-2102P	130, 623	3320-7902P	136, 629	3324-27023P	132, 625	3329-728P	133, 626
3301-948P	126, 619	3315-08023P	131, 624	3318-21023P	130, 623	3320-792P	136, 629	3328-040	150, 643	3329-7282P	134, 627
3301-9482P	128, 621	3315-100P	131, 624	3318-240P	130, 623	3320-792PXI	137, 630	3328-060	150, 643	3329-72823P	133, 626
3301-948232P	127, 620	3315-1002P	131, 624	3318-2402P	130, 623	3320-7922P	136, 629	3328-060P	132, 625	3329-72832P	134, 627
3301-951P	126, 619	3315-10023P	131, 624	3318-24023P	130, 623	3320-795P	136, 629	3328-080	150, 643	3329-730P	133, 626
3301-9512P	128, 621	3315-120P	131, 624	3318-270P	130, 623	3320-7952P	136, 629	3328-080P	132, 625	3329-73023P	133, 626
3301-951232P	127, 620	3315-1202P	131, 624	3318-2702P	130, 623	3320-841P	136, 629	3328-100	150, 643	3329-73032P	134, 627
3301-954P	126, 619	3315-12023P	131, 624	3318-27023P	130, 623	3320-843P	136, 629	3328-100P	132, 625	3329-732P	133, 626
3301-9542P	128, 621	3315-150P	131, 624	3320-060P	135, 628	3320-844P	136, 629	3328-120	150, 643	3329-7322P	135, 628
3301-954232P	127, 620	3315-1502P	131, 624	3320-060PXI	137, 630	3320-8442P	136, 629	3328-120P	132, 625	3329-73223P	133, 626
3302-528P	128, 621	3315-15023P	131, 624	3320-0602P	136, 629	3320-846P	136, 629	3328-140	150, 643	3329-73232P	134, 627
3302-530P	128, 621	3315-180P	131, 624	3320-080P	135, 628	3320-846PXI	137, 630	3328-150P	132, 625	3329-784P	133, 626
3302-532P	128, 621	3315-1802P	131, 624	3320-080PXI	137, 630	3320-8462P	136, 629	3328-160	150, 643	3329-7842P	135, 628
3302-578P	128, 621	3315-18023P	131, 624	3320-0802P	136, 629	3320-848P	136, 629	3328-180P	132, 625	3329-78423P	133, 626
3302-580P	128, 621	3315-210P	131, 624	3320-100P	135, 628	3320-848PXI	137, 630	3328-210P	132, 625	3329-78432P	134, 627
3302-582P	128, 621	3315-2102P	131, 624	3320-100PXI	137, 630	3320-8482P	136, 629	3328-240P	132, 625	3329-786P	133, 626
3302-621P	128, 621	3315-21023P	131, 624	3320-1002P	136, 629	3320-850P	136, 629	3328-270P	132, 625	3329-7862P	135, 628
3302-623P	128, 621	3315-240P	131, 624	3320-120P	135, 628	3320-850PXI	137, 630	3329-060P	132, 625	3329-78623P	133, 626
3302-624P	128, 621	3315-2402P	131, 624	3320-120PXI	137, 630	3320-8502P	137, 630	3329-0602P	132, 625	3329-78632P	134, 627
3302-661P	128, 621	3315-24023P	131, 624	3320-1202P	136, 629	3320-852P	136, 629	3329-06023P	132, 625	3329-788P	133, 626
3302-663P	128, 621	3315-270P	131, 624	3320-150P	135, 628	3320-852PXI	137, 630	3329-080P	132, 625	3329-7882P	135, 628
3302-664P	128, 621	3315-2702P	131, 624	3320-1502P	136, 629	3320-8522P	137, 630	3329-0802P	132, 625	3329-78823P	133, 626
3302-721P	128, 621	3315-27023P	131, 624	3320-180P	136, 629	3320-855P	136, 629	3329-08023P	132, 625	3329-78832P	134, 627
3302-72113P	128, 621	3316-060P	130, 623	3320-1802P	136, 629	3320-8552P	137, 630	3329-100P	132, 625	3329-790P	133, 626
3302-7212P	129, 622	3316-0602P	131, 624	3320-210P	136, 629	3320-858P	136, 629	3329-1002P	132, 625	3329-7902P	135, 628
3302-72123P	128, 621	3316-06023P	131, 624	3320-2102P	136, 629	3320-8582P	137, 630	3329-10023P	132, 625	3329-79023P	133, 626
3302-723P	128, 621	3316-080P	130, 623	3320-240P	136, 629	3320-901P	136, 629	3329-120P	132, 625	3329-79032P	134, 627
3302-72313P	128, 621	3316-0802P	131, 624	3320-2402P	137, 630	3320-903P	136, 629	3329-1202P	132, 625	3329-792P	133, 626
3302-7232P	129, 622	3316-08023P	131, 624	3320-270P	136, 629	3320-904P	136, 629	3329-12023P	132, 625	3329-7922P	135, 628
3302-72323P	128, 621	3316-100P	130, 623	3320-2702P	137, 630	3320-9042P	137, 630	3329-150P	132, 625	3329-79223P	133, 626
3302-724P	128, 621	3316-1002P	131, 624	3320-528P	135, 628	3320-906P	136, 629	3329-1502P	132, 625	3329-79232P	134, 627
3302-72413P	128, 621	3316-10023P	131, 624	3320-530P	135, 628	3320-906PXI	137, 630	3329-15023P	132, 625	3329-795P	133, 626
3302-7242P	129, 622	3316-120P	130, 623	3320-532P	135, 628	3320-9062P	137, 630	3329-180P	132, 625	3329-7952P	135, 628
3302-72423P	129, 622	3316-1202P	131, 624	3320-5322P	136, 629	3320-908P	136, 629	3329-1802P	132, 625	3329-79523P	133, 626
3306-060P	129, 622	3316-12023P	131, 624	3320-578P	135, 628	3320-908PXI	137, 630	3329-18023P	132, 625	3329-79532P	134, 627
3306-0602P	129, 622	3316-150P	130, 623	3320-580P	135, 628	3320-9082P	137, 630	3329-210P	132, 625	3329-844P	133, 626
3306-06023P	129, 622	3316-1502P	131, 624	3320-582P	135, 628	3320-910P	136, 629	3329-2102P	132, 625	3329-846P	133, 626
3306-080P	129, 622	3316-15023P	131, 624	3320-5822P	136, 629	3320-910PXI	137, 630	3329-21023P	132, 625	3329-8462P	135, 628
3306-0802P	129, 622	3316-180P	130, 623	3320-585P	135, 628	3320-9102P	137, 630	3329-240P	132, 625	3329-84623P	133, 626
3306-08023P	129, 622	3316-1802P	131, 624	3320-585PXI	137, 630	3320-912P	136, 629	3329-2402P	132, 625	3329-84632P	134, 627
3306-100P	129, 622	3316-18023P	131, 624	3320-5852P	136, 629	3320-912PXI	137, 630	3329-24023P	132, 625	3329-848P	133, 626
3306-1002P	129, 622	3316-210P	130, 623	3320-621P	135, 628	3320-9122P	137, 630	3329-270P	132, 625	3329-8482P	135, 628
3306-10023P	129, 622	3316-2102P	131, 624	3320-623P	135, 628	3320-915P	136, 629	3329-2702P	132, 625	3329-84823P	133, 626
3306-120P	129, 622	3316-21023P	131, 624	3320-624P	135, 628	3320-9152P	137, 630	3329-27023P	132, 625	3329-84832P	134, 627
3306-1202P	129, 622	3316-240P	130, 623	3320-6242P	136, 629	3320-918P	136, 629	3329-532P	133, 626	3329-850P	133, 626
3306-12023P	129, 622	3316-2402P	131, 624	3320-626P	135, 628	3320-9182P	137, 630	3329-5322P	134, 627	3329-8502P	135, 628
3306-150P	129, 622	3316-24023P	131, 624	3320-626PXI	137, 630	3320-921P	136, 629	3329-53223P	133, 626	3329-85023P	133, 626
3306-1502P	129, 622	3316-270P	130, 623	3320-6262P	136, 629	3320-9212P	137, 630	3329-53232P	134, 627	3329-85032P	134, 627
3306-15023P	129, 622	3316-2702P	131, 624	3320-628P	135, 628	3320-934P	136, 629	3329-582P	133, 626	3329-852P	133, 626
3306-180P	129, 622	3316-27023P	131, 624	3320-628PXI	137, 630	3320-9342P	137, 630	3329-5822P	134, 627	3329-8522P	135, 628
3306-1802P	129, 622	3317-060P	131, 624	3320-6282P	136, 629	3320-936P	136, 629	3329-58223P	133, 626	3329-85223P	133, 626
3306-18023P	129, 622	3317-06023P	131, 624	3320-661P	135, 628	3320-9362P	137, 630	3329-58232P	134, 627	3329-85232P	134, 627
3306-210P	129, 622	3317-080P	131, 624	3320-663P	135, 628	3320-938P	136, 629	3329-585P	133, 626	3329-855P	133, 626
3306-2102P	129, 622	3317-08023P	131, 624	3320-664P	135, 628	3320-9382P	137, 630	3329-5852P	134, 627	3329-8552P	135, 628
3306-21023P	129, 622	3317-100P	131, 624	3320-6642P	136, 629	3320-940P	136, 629	3329-58523P	133, 626	3329-85523P	133, 626
3306-240P	129, 622	3317-10023P	131, 624	3320-666P	135, 628	3320-9402P	137, 630	3329-58532P	134, 627	3329-85532P	134, 627
3306-2402P	129, 622	3317-120P	131, 624	3320-666PXI	137, 630	3320-942P	136, 629	3329-624P	133, 626	3329-858P	133, 626
3306-24023P	129, 622	3317-12023P	131, 624	3320-6662P	136, 629	3320-9422P	137, 630	3329-6242P	134, 627	3329-8582P	135, 628
3306-270P	129, 622	3317-150P	131, 624	3320-668P	135, 628	3320-945P	136, 629	3329-62423P	133, 626	3329-85823P	134, 627
3306-2702P	130, 623	3317-1502P	132, 625	3320-668PXI	137, 630	3320-9452P	137, 630	3329-62432P	134, 627	3329-85832P	134, 627
3306-27023P	129, 622	3317-15023P	131, 624	3320-6682P	136, 629	3320-948P	136, 629	3329-626P	133, 626	3329-906P	133, 626
3311-060P	130, 623	3317-180P	131, 624	3320-670P	135, 628	3320-9482P	137, 630	3329-6262P	134, 627	3329-9062P	135, 628
3311-0602P	130, 623	3317-1802P	132, 625	3320-670PXI	137, 630	3320-951P	136, 629	3329-62623P	133, 626	3329-90623P	134, 627
3311-06023P	130, 623	3317-18023P	131, 624	3320-6702P	136, 629	3320-9512P	137, 630	3329-62632P	134, 627	3329-90632P	134, 627
3311-080P	130, 623	3317-210P	131, 624	3320-721P	135, 628	3320-954P	136, 629	3329-628P	133, 626	3329-908P	133, 626
3311-0802P	130, 623	3317-2102P	132, 625	3320-723P	135, 628	3320-9542P	137, 630	3329-6282P	134, 627	3329-9082P	135, 628
3311-08023P	130, 623	3317-21023P	131, 624	3320-724P	135, 628	3320-960P	132, 625	3329-62823P	133, 626	3329-90823P	134, 627
3311-100P	130, 623	3317-240P	131, 624	3320-7242P	136, 629	3320-9602P	132, 625	3329-62832P	134, 627		

Spears Part Number Index



3329-936P	133, 626	340-100237	146, 639	340-101392	149, 642	340-103182	143, 636	350-100308	146, 639	350-101461	150, 643
3329-9362P	135, 628	340-100305	146, 639	340-101456	150, 643	340-103183	143, 636	350-100309	146, 639	350-101465	150, 643
3329-93623P	134, 627	340-100306	146, 639	340-101458	150, 643	340-103184	143, 636	350-100329	146, 639	350-102356	141, 634
3329-93632P	134, 627	340-100307	146, 639	340-101461	150, 643	340-103185	143, 636	350-100330	146, 639	350-102357	141, 634
3329-938P	133, 626	340-100308	146, 639	340-101465	150, 643	340-103188	143, 636	350-100331	146, 639	350-102358	141, 634
3329-9382P	135, 628	340-100309	146, 639	340-102356	141, 634	340-103189	143, 636	350-100332	146, 639	350-102361	141, 634
3329-93823P	134, 627	340-100329	146, 639	340-102357	141, 634	340-103190	143, 636	350-100333	146, 639	350-102362	141, 634
3329-93832P	134, 627	340-100330	146, 639	340-102358	141, 634	340-103191	143, 144	350-100353	147, 640	350-102363	141, 634
3329-940P	133, 626	340-100331	146, 639	340-102359	141, 634		636, 637	350-100354	147, 640	350-102364	141, 634
3329-9402P	135, 628	340-100332	146, 639	340-102361	141, 634	340-103192	143, 636	350-100355	147, 640	350-102365	141, 634
3329-94023P	134, 627	340-100333	146, 639	340-102362	141, 634	340-103283	150, 643	350-100356	147, 640	350-102366	141, 634
3329-94032P	134, 627	340-100353	147, 640	340-102363	141, 634	340-103284	150, 643	350-100357	147, 640	350-102367	141, 634
3329-942P	133, 626	340-100354	147, 640	340-102364	141, 634	340-103285	150, 643	350-100425	147, 640	350-102368	141, 634
3329-9422P	135, 628	340-100355	147, 640	340-102365	141, 634	340-103286	150, 643	350-100426	147, 640	350-102369	141, 634
3329-94223P	134, 627	340-100356	147, 640	340-102366	141, 634	340-103287	150, 643	350-100427	147, 640	350-102370	141, 634
3329-94232P	134, 627	340-100357	147, 640	340-102367	141, 634	340-103288	150, 643	350-100428	147, 640	350-102372	141, 634
3329-945P	133, 626	340-100425	147, 640	340-102368	141, 634	340-103289	150, 643	350-100429	147, 640	350-102374	141, 634
3329-9452P	135, 628	340-100426	147, 640	340-102369	141, 634	340-103290	150, 643	350-100449	147, 640	350-102375	141, 634
3329-94523P	134, 627	340-100427	147, 640	340-102370	141, 634	340-103291	150, 643	350-100450	147, 640	350-102377	141, 634
3329-94532P	134, 627	340-100428	147, 640	340-102372	141, 634	340-103292	150, 643	350-100451	147, 640	350-102379	141, 634
3329-948P	133, 626	340-100429	147, 640	340-102373	141, 634	340-103293	150, 643	350-100452	147, 640	350-102380	141, 634
3329-9482P	135, 628	340-100449	147, 640	340-102374	141, 634	340-103294	150, 643	350-100453	147, 640	350-102426	141, 634
3329-94823P	134, 627	340-100450	147, 640	340-102375	141, 634	340-103295	150, 643	350-100473	147, 640	350-102427	141, 634
3329-94832P	134, 627	340-100451	147, 640	340-102377	141, 634	340-103296	150, 643	350-100474	147, 640	350-102428	141, 634
3329-951P	133, 626	340-100452	147, 640	340-102378	141, 634	340-103297	150, 643	350-100475	147, 640	350-102429	141, 634
3329-9512P	135, 628	340-100453	147, 640	340-102379	141, 634	340-103298	150, 643	350-100476	147, 640	350-102431	141, 634
3329-95123P	134, 627	340-100473	147, 640	340-102380	141, 634	340-103299	150, 643	350-100477	147, 640	350-102432	141, 634
3329-95132P	134, 627	340-100474	147, 640	340-102426	141, 634	340-103300	150, 643	350-100545	147, 640	350-102433	141, 634
3329-954P	133, 626	340-100475	147, 640	340-102427	141, 634	340-103301	150, 643	350-100546	147, 640	350-102434	141, 634
3329-9542P	135, 628	340-100476	147, 640	340-102428	141, 634	340-103302	150, 643	350-100547	147, 640	350-102435	141, 634
3329-95423P	134, 627	340-100477	147, 640	340-102429	141, 634	340-103303	150, 643	350-100548	147, 640	350-102436	141, 634
3329-95432P	134, 627	340-100545	147, 640	340-102431	141, 634	340-103304	150, 643	350-100549	147, 640	350-102437	141, 634
334-007	668	340-100546	147, 640	340-102432	141, 634	340-103997	151, 644	350-100569	147, 640	350-102438	141, 634
334-010	668	340-100547	147, 640	340-102433	141, 634	340-104000	151, 644	350-100570	147, 640	350-102439	141, 634
3340-585	151, 644	340-100548	147, 640	340-102434	141, 634	340-104001	151, 644	350-100571	147, 640	350-102440	141, 634
335-010	668	340-100549	147, 640	340-102435	141, 634	340-104004	151, 644	350-100572	147, 640	350-102442	142, 635
335-010G	668	340-100569	147, 640	340-102436	141, 634	340-104005	151, 644	350-100573	147, 640	350-102443	142, 635
335-012	668	340-100570	147, 640	340-102437	141, 634	340-104006	151, 644	350-100592	148, 641	350-102444	142, 635
335-012G	668	340-100571	147, 640	340-102438	141, 634	340-104009	151, 644	350-100593	148, 641	350-102445	142, 635
335-015	668	340-100572	147, 640	340-102439	141, 634	340-104010	151, 644	350-100594	148, 641	350-102447	142, 635
335-015G	668	340-100573	147, 640	340-102440	141, 634	340-104011	151, 644	350-100595	148, 641	350-102449	142, 635
335-020	668	340-100592	148, 641	340-102442	142, 635	340-104012	151, 644	350-100657	148, 641	350-102450	142, 635
335-020G	668	340-100593	148, 641	340-102443	142, 635	340-104015	151, 644	350-100658	148, 641	350-102499	142, 635
335-025G	668	340-100594	148, 641	340-102444	142, 635	340-104016	151, 644	350-100659	148, 641	350-102500	142, 635
336-005	668	340-100595	148, 641	340-102445	142, 635	340-104017	151, 644	350-100660	148, 641	350-102501	142, 635
336-007	668	340-100657	148, 641	340-102447	142, 635	340-104018	151, 644	350-100661	148, 641	350-102502	142, 635
336-010	668	340-100658	148, 641	340-102448	142, 635	340-104019	151, 644	350-100679	148, 641	350-102503	142, 635
336-010G	668	340-100659	148, 641	340-102449	142, 635	3406-1202	145, 638	350-100680	148, 641	350-102504	142, 635
336-012	668	340-100660	148, 641	340-102450	142, 635	3428-040	150, 643	350-100681	148, 641	350-102505	142, 635
336-012G	668	340-100661	148, 641	340-102499	142, 635	3428-060	150, 643	350-100682	148, 641	350-102506	142, 635
336-015	668	340-100679	148, 641	340-102500	142, 635	3428-080	150, 643	350-100683	148, 641	350-102507	142, 635
336-015G	668	340-100680	148, 641	340-102501	142, 635	3428-100	150, 643	350-100702	148, 641	350-102508	142, 635
336-020	668	340-100681	148, 641	340-102502	142, 635	3428-120	150, 643	350-100703	148, 641	350-102509	142, 635
336-020G	668	340-100682	148, 641	340-102503	142, 635	3428-140	150, 643	350-100704	148, 641	350-102510	142, 635
336-025G	668	340-100683	148, 641	340-102504	142, 635	3428-160	150, 643	350-100705	148, 641	350-102511	142, 635
336-030	668	340-100702	148, 641	340-102505	142, 635	350-100002	149, 642	350-100767	148, 641	350-102512	142, 635
336-030G	668	340-100703	148, 641	340-102506	142, 635	350-100003	149, 642	350-100768	148, 641	350-102513	142, 635
336-040G	668	340-100704	148, 641	340-102507	142, 635	350-100004	149, 642	350-100769	148, 641	350-102514	142, 635
336-131	668	340-100705	148, 641	340-102508	142, 635	350-100005	149, 642	350-100770	148, 641	350-102515	142, 635
340-100002	149, 642	340-100767	148, 641	340-102509	142, 635	350-100067	149, 642	350-100771	148, 641	350-102516	142, 635
340-100003	149, 642	340-100768	148, 641	340-102510	142, 635	350-100068	149, 642	350-100789	148, 641	350-102517	142, 635
340-100004	149, 642	340-100769	148, 641	340-102511	142, 635	350-100069	149, 642	350-100790	148, 641	350-102518	142, 635
340-100005	149, 642	340-100770	148, 641	340-102512	142, 635	350-100070	149, 642	350-100791	148, 641	350-102519	142, 635
340-100067	149, 642	340-100771	148, 641	340-102513	142, 635	350-100071	149, 642	350-100792	148, 641	350-102520	142, 635
340-100068	149, 642	340-100789	148, 641	340-102514	142, 635	350-100089	149, 642	350-100793	148, 641	350-103058	143, 636
340-100069	149, 642	340-100790	148, 641	340-102515	142, 635	350-100090	149, 642	350-100812	145, 638	350-103061	143, 636
340-100070	149, 642	340-100791	148, 641	340-102516	142, 635	350-100091	149, 642	350-100813	145, 638	350-103062	143, 636
340-100071	149, 642	340-100792	148, 641	340-102517	142, 635	350-100092	149, 642	350-100814	145, 638	350-103065	143, 636
340-100089	149, 642	340-100793	148, 641	340-102518	142, 635	350-100093	149, 642	350-100815	145, 638	350-103066	143, 636
340-100090	149, 642	340-100812	145, 638	340-102519	142, 635	350-100113	146, 639	350-100878	145, 638	350-103067	143, 636
340-100091	149, 642	340-100813	145, 638	340-102520	142, 635	350-100114	146, 639	350-100879	145, 638	350-103070	143, 636
340-100092	149, 642	340-100814	145, 638	340-103058	143, 636	350-100115	146, 639	350-100880	145, 638	350-103071	143, 636
340-100093	149, 642	34									



Spears® Manufacturing Company

Spears Part Number Index



3701-693	520, 529 648, 657	3706-240	530, 649 658	3717-180	530, 649 658	3720-700	533, 652 661	3727-100	518, 530 649, 659	3729-582E	515, 532 651, 660
3701-694	520, 529 648, 657	3709-060	519, 531 650, 659	3717-200	530, 649 658	3720-702	533, 652 661	3727-120	518, 530 649, 659	3729-585	531, 650 659
3701-696	520, 529 648, 657	3709-080	519, 531 650, 659	3717-240	530, 649 658	3720-751	533, 652 661	3727-140	518, 530 649, 659	3729-585E	515, 532 651, 660
3701-698	520, 529 648, 657	3709-100	519, 531 650, 659	3718-040	530, 649 658	3720-753	533, 652 661	3727-160	531, 650 659	3729-624	515, 531 650, 659
3701-700	520, 529 648, 657	3709-120	519, 531 650, 659	3718-060	530, 649 658	3720-754	533, 652 661	3727-180	531, 650 659	3729-624E	515, 532 651, 660
3701-702	520, 529 648, 657	3709-140	519, 531 650, 659	3718-080	530, 649 658	3720-756	533, 652 661	3727-200	531, 650 659	3729-626	515, 531 650, 659
3701-751	529, 648 657	3709-160	531, 650 659	3718-100	530, 649 658	3720-758	533, 652 661	3727-240	531, 650 659	3729-626E	515, 532 651, 660
3701-753	529, 648 657	3709-180	531, 650 659	3718-120	530, 649 658	3720-760	533, 652 661	3728-040	531, 650 659	3729-628	515, 531 650, 659
3701-754	529, 648 657	3709-200	531, 650 659	3718-140	530, 649 658	3720-762	533, 652 661	3728-060	531, 650 659	3729-628E	515, 532 651, 660
3701-756	529, 648 657	3709-240	531, 650 659	3718-160	530, 649 658	3720-764	533, 652 661	3728-080	531, 650 659	3729-661	515
3701-758	529, 648 657	3711-040	530, 649 658	3718-180	530, 649 658	3720-784	533, 652 661	3728-100	531, 650 659	3729-663	515, 531
3701-760	529, 648 657	3711-060	530, 649 658	3718-200	530, 649 658	3720-786	533, 652 661	3728-120	531, 650 659	3729-664	515, 532
3701-762	529, 648 657	3711-080	530, 649 658	3718-240	530, 649 658	3720-788	533, 652 661	3728-140	531, 650 659	3729-664E	515, 532
3701-764	529, 648 657	3711-100	530, 649 658	3720-060	532, 651 660	3720-790	533, 652 661	3728-160	531, 650 659	3729-666	515, 531
3701-784	529, 648 657	3711-120	530, 649 658	3720-080	532, 651 660	3720-792	533, 652 661	3728-180	531, 650 659	3729-666E	515, 532
3701-786	529, 648 657	3711-140	530, 649 658	3720-100	532, 651 660	3720-794	533, 652 661	3728-200	531, 650 659	3729-668	531, 650
3701-788	529, 648 657	3711-160	530, 649 658	3720-120	532, 651 660	3720-796	533, 652 661	3728-240	531, 650 659	3729-668E	515, 532
3701-790	529, 648 657	3711-180	530, 649 658	3720-140	533, 652 661	3720-814	533, 652 661	3729-040IXS	537, 656	3729-670	515, 532
3701-792	529, 648 657	3711-200	530, 649 658	3720-160	533, 652 661	3720-816	533, 652 661	3729-04013IXS	441, 537	3729-670E	515, 532
3701-794	529, 648 657	3711-240	530, 649 658	3720-180	533, 652 661	3720-818	533, 652 661	3729-04031IXS	537, 656	3729-691	515, 531
3701-796	529, 648 657	3715-040	530, 649 658	3720-200	533, 652 661	3720-820	533, 652 661	3729-060IXS	537, 656	3729-694	515, 531
3701-814	529, 648 657	3715-060	530, 649 658	3720-240	533, 652 661	3720-822	533, 652 661	3729-06013IXS	537, 656	3729-696	515, 531
3701-816	529, 648 657	3715-080	530, 649 658	3720-528	532, 651 660	3720-824	533, 652 661	3729-06031IXS	537, 656	3729-696E	515, 531
3701-818	529, 648 657	3715-100	530, 649 658	3720-530	532, 651 660	3720-826	533, 652 661	3729-080	531, 650 659	3729-698	532, 651
3701-820	529, 648 657	3715-120	530, 649 658	3720-532	532, 651 660	3720-828	533, 652 661	3729-08013IXS	537, 656	3729-698E	515, 531
3701-822	529, 648 657	3715-140	530, 649 658	3720-578	532, 651 660	3720-904	533, 652 661	3729-08031IXS	537, 656	3729-700	515, 531
3701-824	529, 648 657	3715-160	530, 649 658	3720-580	532, 651 660	3720-906	533, 652 661	3729-100	531, 650 659	3729-700E	515, 532
3701-826	529, 648 657	3715-180	530, 649 658	3720-582	532, 651 660	3720-908	533, 652 661	3729-100IXS	537, 656	3729-702	515, 531
3701-828	529, 648 657	3715-200	530, 649 658	3720-585	532, 651 660	3720-910	533, 652 661	3729-10013IXS	537, 656	3729-702E	515, 531
3701-904	529, 648 657	3715-240	530, 649 658	3720-621	532, 651 660	3720-912	533, 652 661	3729-120	531, 650 659	3729-754	531, 650
3701-906	529, 648 657	3716-040	530, 649 658	3720-623	532, 651 660	3720-914	533, 652 661	3729-140	531, 650 659	3729-756	531, 650
3701-908	529, 648 657	3716-060	530, 649 658	3720-624	532, 651 660	3720-916	533, 652 661	3729-160	531, 650 659	3729-756E	532, 651
3701-910	529, 648 657	3716-080	530, 649 658	3720-626	532, 651 660	3720-918	533, 652 661	3729-180	531, 650 659	3729-758	531, 650
3701-912	529, 648 657	3716-100	518, 530 649, 658	3720-628	532, 651 660	3720-920	533, 652 661	3729-200	531, 650 659	3729-758E	532, 651
3701-914	529, 648 657	3716-120	518, 530 649, 658	3720-661	532, 651 660	3724-060	518, 531 650, 658	3729-240	531, 650 659	3729-760	531, 650
3701-916	529, 648 657	3716-140	518, 530 649, 658	3720-663	532, 651 660, 661	3724-080	518, 531 650, 658	3729-420E	532, 651 660	3729-762	531, 650
3701-918	529, 648 657	3716-160	530, 649 658	3720-664	532, 651 661	3724-100	518, 531 650, 658	3729-422E	532, 651 660	3729-762E	532, 651
3701-920	529, 648 657	3716-180	530, 649 658	3720-666	532, 651 661	3724-120	518, 531 650, 658	3729-528	515, 531 650, 659	3729-764	531, 650
3706-060	529, 648 657	3716-200	530, 649 658	3720-668	532, 533 651, 652	3724-140	518, 531 650, 658	3729-528E	515, 532 651, 660	3729-764E	532, 651
3706-080	529, 648 657	3716-240	530, 649 658	3720-670	533, 652 661	3724-160	518, 531 650, 658	3729-530	515, 531 650, 659	3729-786	531, 650
3706-100	529, 648 657	3717-040	530, 649 658	3720-691	533, 652 661	3724-180	531, 650 658	3729-530E	515, 532 651, 660	3729-786E	532, 651
3706-120	529, 648 657	3717-060	530, 649 658	3720-693	533, 652 661	3724-200	531, 650 659	3729-532	531, 650 659	3729-788	531, 650
3706-140	518, 529 648, 657	3717-080	530, 649 658	3720-694	533, 652 661	3724-240	531, 650 659	3729-532E	515, 532 651, 660	3729-788E	532, 651
3706-160	529, 648 657	3717-100	530, 649 658	3720-696	533, 652 661	3727-040	530, 649 659	3729-578	531, 650 659	3729-790	531, 650
3706-180	529, 648 657	3717-120	530, 649 658	3720-698	533, 652 661	3727-060	530, 649 659	3729-580	531, 650 659	3729-790E	532, 651
3706-200	530, 649 658	3717-140	518, 530 649, 658	3720-699	533, 652 661	3727-080	530, 649 659	3729-580E	515, 532 651, 660	3729-792	531, 650
		3717-160	530, 649				530, 649	3729-582	531, 650	3729-792E	532, 651



Spears Part Number Index

3729-794	660	3775-578	533, 652	3776-580	522, 534	3777-528	521	3790-240	536, 655	3791-621	520
	532, 651	3775-580	522, 533		653	3777-532	521, 535	3790-528	519	3791-623	520
	660		652	3776-582	522, 534		654	3790-530	519	3791-624	520
3729-794E	532, 651	3775-582	533, 652		653	3777-578	521, 535	3790-532	536, 655	3791-626	520
	660	3775-585	533, 652	3776-585	522, 534		654	3790-578	519, 536	3791-628	520
3729-796	532, 651	3775-621	522, 533		653	3777-580	521, 535		655	3791-661	520
	660		652	3776-621	522, 534		654	3790-580	519, 536	3791-663	520
3729-796E	532, 651	3775-623	522, 533		653	3777-582	535, 654		655	3791-664	520
	660		652	3776-623	522, 534	3777-585	535, 654	3790-582	519, 536	3791-666	520
3729-816	532, 651	3775-624	533, 652		653	3777-621	521, 535		655	3791-668	520
	660	3775-626	522, 533	3776-624	522, 534		654	3790-585	519, 536	3791-670	520
3729-818	532, 651		652		653	3777-623	521, 535		655	3791-691	520
	660	3775-628	533, 652	3776-626	522, 534		654	3790-621	519, 536	3791-693	520
3729-820	532, 651	3775-661	522, 533		653	3777-624	521, 535		655	3791-694	520
	660		652	3776-628	522, 534		654	3790-623	519, 536	3791-696	520
3729-822	532, 651	3775-663	522, 533		653	3777-626	521, 535		655	3791-698	520
	660		652	3776-661	522, 534		654	3790-624	519, 536	3791-700	520
3729-824	532, 651	3775-664	522, 533		653	3777-628	521, 535		655	3791-702	520
	660		652	3776-663	522, 534		654	3790-626	519, 536	3792-060	521
3729-826	532, 651	3775-666	522, 533		653	3777-661	521, 535		655	3792-080	521
	660		652	3776-664	522, 534		654	3790-628	519, 536	3792-100	521
3729-828	532, 651	3775-668	522, 533		653	3777-663	521, 535		655	3792-120	521
	660		652	3776-666	522, 534		654	3790-661	519, 536	3792-140	521
3729-906	532, 651	3775-670	533, 652		653	3777-664	521, 535		655	3792-528	521
	660	3775-691	522, 533	3776-668	522, 534		654	3790-663	519, 536	3792-530	521
3729-908	532, 651		652		653	3777-666	521, 535		655	3792-532	521
	660	3775-693	522, 533	3776-670	522, 534		654	3790-664	519, 536	3792-578	521
3729-910	532, 651		652		653	3777-668	521, 535		655	3792-580	521
	660	3775-694	522, 533	3776-691	523, 534		654	3790-666	519, 536	3792-582	521
3729-912	532, 651		652		653	3777-670	521, 535		655	3792-585	521
	660	3775-696	522, 533	3776-693	523, 534		654	3790-668	519, 536	3792-621	521
3729-914	532, 651		652		653	3777-691	521, 535		655	3792-623	521
	660	3775-698	522, 533	3776-694	523, 534		654	3790-670	519, 536	3792-624	521
3729-916	532, 651		652		653	3777-693	521, 535		655	3792-626	521
	660	3775-700	522, 533	3776-696	523, 534		654	3790-691	519, 536	3792-628	521
3729-918	532, 651		652		653	3777-694	521, 535		655	3792-661	521
	660	3775-702	522, 533	3776-698	523, 534		654	3790-693	519, 536	3792-663	521
3729-920	532, 651		652		653	3777-696	521, 535		655	3792-664	521
	660	3775-751	534, 653	3776-700	523, 534		654	3790-694	519, 536	3792-666	521
3742-060	530, 649	3775-753	534, 653		653	3777-698	521, 535		655	3792-668	521
	658	3775-754	534, 653	3776-702	523, 534		654	3790-696	519, 536	3792-670	521
3742-080	530, 649	3775-756	522, 534		653	3777-700	521, 535		655	3792-691	521
	658		653	3776-751	534, 653		654	3790-698	519, 536	3792-693	521
3742-100	518, 530	3775-758	534, 653	3776-753	534, 653	3777-702	521, 535		655	3792-694	521
	649, 658	3775-760	534, 653	3776-754	534, 653		654	3790-700	519, 536	3792-696	521
3742-120	518, 530	3775-762	534, 653	3776-756	523, 534	3777-751	535, 654		655	3792-698	521
	649, 658	3775-764	534, 653		653	3777-753	535, 654	3790-702	519, 536	3792-700	521
3742-140	518, 530	3775-784	534, 653	3776-758	534, 653	3777-754	535, 654		655	3792-702	521
	649, 658	3775-786	522, 534	3776-760	534, 653	3777-756	535, 654	3790-751	536, 655	3901-060	529, 648
3742-160	530, 649		653	3776-762	534, 653	3777-758	535, 654	3790-753	536, 655		657
	658	3775-788	534, 653	3776-764	534, 653	3777-760	535, 654	3790-754	536, 655	3901-080	529, 648
3742-180	530, 649	3775-790	534, 653	3776-784	535, 654	3777-762	535, 654	3790-756	536, 655		657
	658	3775-792	534, 653	3776-786	523, 535	3777-764	535, 654	3790-758	536, 655	3901-100	529, 648
3742-200	530, 649	3775-794	534, 653		654	3777-784	535, 654	3790-760	536, 655		657
	658	3775-796	534, 653	3776-788	535, 654	3777-786	535, 654	3790-762	536, 655	3901-120	529, 648
3742-240	530, 649	3775-814	534, 653	3776-790	535, 654	3777-788	535, 654	3790-764	536, 655		657
	658	3775-816	522, 534	3776-792	535, 654	3777-790	535, 654	3790-784	536, 655	3901-140	529, 648
3747-100	517, 537		653	3776-794	535, 654	3777-792	535, 654	3790-786	536, 655		657
	656, 661	3775-818	534, 653	3776-796	535, 654	3777-794	535, 654	3790-788	536, 655	3901-160	529, 648
3747-120	517, 537	3775-820	534, 653	3776-814	535, 654	3777-796	535, 654	3790-790	536, 655		657
	656, 661	3775-822	534, 653	3776-816	523, 535	3777-814	536, 655	3790-792	536, 655	3901-180	529, 648
3747-140	517, 537	3775-824	534, 653		654	3777-816	536, 655	3790-794	536, 655		657
	656, 661	3775-826	534, 653	3776-818	535, 654	3777-818	536, 655	3790-796	536, 655	3901-200	529, 648
3747-160	537, 656	3775-828	534, 653	3776-820	535, 654	3777-820	536, 655	3790-814	536, 655		657
	661	3775-904	534, 653	3776-822	535, 654	3777-822	536, 655	3790-816	536, 655	3901-240	529, 648
3747-180	537, 656	3775-906	522, 534	3776-824	535, 654	3777-824	536, 655	3790-818	536, 655		657
	661		653	3776-826	535, 654	3777-826	536, 655	3790-820	536, 655	3901-528	529, 648
3747-200	537, 656	3775-908	534, 653	3776-828	535, 654	3777-828	536, 655	3790-822	536, 655		657
	661	3775-910	534, 653	3776-904	535, 654	3777-904	536, 655	3790-824	536, 655	3901-530	529, 648
3747-240	537, 656	3775-912	534, 653	3776-906	523, 535	3777-906	536, 655	3790-826	536, 655		657
	661	3775-914	534, 653		654	3777-908	536, 655	3790-828	536, 655	3901-532	529, 648
3749-060	537, 656	3775-916	534, 653	3776-908	535, 654	3777-910	536, 655	3790-904	537, 656		657
	661	3775-918	534, 653	3776-910	535, 654	3777-912	536, 655	3790-906	537, 656	3901-578	529, 648
3749-080	537, 656	3775-920	534, 653	3776-912	535, 654	3777-914	536, 655	3790-908	537, 656		657
	661	3776-060	534, 653	3776-914	535, 654	3777-916	536, 655	3790-910	537, 656	3901-580	529, 648
3749-100	537, 656	3776-080	522, 534	3776-916	535, 654	3777-918	536, 655	3790-912	537, 656		657
	661		653	3776-918	535, 654	3777-920	536, 655	3790-914	537, 656	3901-582	529, 648
3749-120	537, 656	3776-100	522, 534	3776-920	535, 654	378-010	668	3790-916	537, 656		657
	661		653	3777-060	521, 535	378-010G	668	3790-918	537, 656	3901-585	529, 648
3749-140	537, 656	3776-120	522, 534		654	378-015	668	3790-920	537, 656		657
	661		653	3777-080	521, 535	378-015G	668	3791-060	519	3901-621	529, 648
3749-160	537, 656	3776-140	522, 534		654	378-020	668	3791-080	519		657
	661		653	3777-100	521, 535	378-020G	668	3791-100	519	3901-623	529, 648
3775-080	533, 652	3776-160	534, 653		654	3790-060	536, 655	3791-120	519		657
3775-100	533, 652	3776-180	535, 654	3777-120	521, 535	3790-080	536, 655	3791-140	519	3901-624	529, 648
3775-120	533, 652	3776-200	535, 654		654	3790-100	536, 655	3791-528	520		657
3775-140	522, 533	3776-240	535, 654	3777-140	521, 535	3790-120	536, 655	3791-530	520	3901-626	529, 648
	652	3776-528	522		654	3790-140	519, 536	3791-532	520		657
3775-160	533, 652	3776-530	522	3777-160	535, 654		655	3791-578	520	3901-628	529, 648
3775-180	534, 653	3776-532	534, 653	3777-180	535, 654	3790-160	536, 655	3791-580	520		657
3775-200	534, 653	3776-578	522, 534		535, 654	3790-180	536, 655	3791-582	520	3901-661	529, 648
3775-240	534, 653		653	3777-240	536, 655	3790-200	536, 655	3791-585	520		657

Spears Part Number Index



3901-663	529, 648 657	3906-100	529, 648 657	3916-240	530, 649 658	3920-666	532, 651 661	3924-120	531, 650 658	3929-582	531, 650 659
3901-664	529, 648 657	3906-120	529, 648 657	3917-040 3917-060	530, 649 658	3920-668	532, 533 651, 652	3924-140	531, 650 658	3929-582E	532, 651 660
3901-666	529, 648 657	3906-140	529, 648 657	3917-080	530, 649 658	3920-670	533, 652 661	3924-160	531, 650 658	3929-585	531, 650 659
3901-668	529, 648 657	3906-160	529, 648 657	3917-100	530, 649 658	3920-691	533, 652 661	3924-180	531, 650 658	3929-585E	532, 651 660
3901-670	529, 648 657	3906-180	529, 648 657	3917-120	530, 649 658	3920-693	533, 652 661	3924-200	531, 650 659	3929-624	531, 650 659
3901-691	529, 648 657	3906-200	530, 649 658	3917-140	530, 649 658	3920-694	533, 652 661	3924-240	531, 650 659	3929-624E	532, 651 660
3901-693	529, 648 657	3906-240	530, 649 658	3917-160	530, 649 658	3920-696	533, 652 661	3927-040	530, 649 659	3929-626	531, 650 659
3901-694	529, 648 657	3909-040	531, 650 659	3917-180	530, 649 658	3920-698	533, 652 661	3927-060	530, 649 659	3929-626E	532, 651 660
3901-696	529, 648 657	3909-060	531, 650 659	3917-200	530, 649 658	3920-700	533, 652 661	3927-080	530, 649 659	3929-628	531, 650 659
3901-698	529, 648 657	3909-080	531, 650 659	3917-240	530, 649 658	3920-702	533, 652 661	3927-100	530, 649 659	3929-628E	532, 651 660
3901-700	529, 648 657	3909-100	531, 650 659	3918-040	530, 649 658	3920-751	533, 652 661	3927-120	530, 649 659	3929-664	531, 650 659
3901-702	529, 648 657	3909-120	531, 650 659	3918-060	530, 649 658	3920-753	533, 652 661	3927-140	530, 649 659	3929-664E	532, 651 660
3901-751	529, 648 657	3909-140	531, 650 659	3918-080	530, 649 658	3920-754	533, 652 661	3927-160	531, 650 659	3929-666	531, 650 659
3901-753	529, 648 657	3909-160	531, 650 659	3918-100	530, 649 658	3920-756	533, 652 661	3927-180	531, 650 659	3929-666E	532, 651 660
3901-754	529, 648 657	3909-180	531, 650 659	3918-120	530, 649 658	3920-758	533, 652 661	3927-200	531, 650 659	3929-668	531, 650 659
3901-756	529, 648 657	3909-200	531, 650 659	3918-140	530, 649 658	3920-760	533, 652 661	3927-240	531, 650 659	3929-668E	532, 651 660
3901-758	529, 648 657	3909-240	531, 650 659	3918-160	530, 649 658	3920-762	533, 652 661	3928-040	531, 650 659	3929-670	531, 650 659
3901-760	529, 648 657	3911-040	530, 649 658	3918-180	530, 649 658	3920-764	533, 652 661	3928-060	531, 650 659	3929-670E	532, 651 660
3901-762	529, 648 657	3911-060	530, 649 658	3918-200	530, 649 658	3920-784	533, 652 661	3928-080	531, 650 659	3929-694	531, 650 659
3901-764	529, 648 657	3911-080	530, 649 658	3918-240	530, 649 658	3920-786	533, 652 661	3928-100	531, 650 659	3929-696	531, 650 659
3901-784	529, 648 657	3911-100	530, 649 658	3920-060	532, 651 660	3920-788	533, 652 661	3928-120	531, 650 659	3929-696E	532, 651 660
3901-786	529, 648 657	3911-120	530, 649 658	3920-080	532, 651 660	3920-790	533, 652 661	3928-140	531, 650 659	3929-698	531, 650 659
3901-788	529, 648 657	3911-140	530, 649 658	3920-100	532, 651 660	3920-792	533, 652 661	3928-160	531, 650 659	3929-698E	532, 651 660
3901-790	529, 648 657	3911-160	530, 649 658	3920-120	532, 651 660	3920-794	533, 652 661	3928-180	531, 650 659	3929-700	531, 650 659
3901-792	529, 648 657	3911-180	530, 649 658	3920-140	533, 652 661	3920-796	533, 652 661	3928-200	531, 650 659	3929-700E	532, 651 660
3901-794	529, 648 657	3911-200	530, 649 658	3920-160	533, 652 661	3920-814	533, 652 661	3928-240	531, 650 659	3929-702	531, 650 659
3901-796	529, 648 657	3911-240	530, 649 658	3920-180	533, 652 661	3920-816	533, 652 661	3929-080	531, 650 659	3929-702E	532, 651 660
3901-814	529, 648 657	3915-040	530, 649 658	3920-200	533, 652 661	3920-818	533, 652 661	3929-100	531, 650 659	3929-754	531, 650 659
3901-816	529, 648 657	3915-060	530, 649 658	3920-240	533, 652 661	3920-820	533, 652 661	3929-120	531, 650 659	3929-756	531, 650 659
3901-818	529, 648 657	3915-080	530, 649 658	3920-420	532, 651 660	3920-822	533, 652 661	3929-140	531, 650 659	3929-756E	532, 651 660
3901-820	529, 648 657	3915-100	530, 649 658	3920-422	532, 651 660	3920-824	533, 652 661	3929-160	531, 650 659	3929-758	531, 650 659
3901-822	529, 648 657	3915-120	530, 649 658	3920-528	532, 651 660	3920-826	533, 652 661	3929-180	531, 650 659	3929-758E	532, 651 660
3901-824	529, 648 657	3915-140	530, 649 658	3920-530	532, 651 660	3920-828	533, 652 661	3929-200	531, 650 659	3929-760	531, 650 659
3901-826	529, 648 657	3915-160	530, 649 658	3920-532	532, 651 660	3920-904	533, 652 661	3929-240	531, 650 659	3929-760E	532, 651 660
3901-828	529, 648 657	3915-180	530, 649 658	3920-578	532, 651 660	3920-906	533, 652 661	3929-338E	532, 651 660	3929-762	531, 650 659
3901-904	529, 648 657	3915-200	530, 649 658	3920-580	532, 651 660	3920-908	533, 652 661	3929-420E	532, 651 660	3929-762E	532, 651 660
3901-906	529, 648 657	3915-240	530, 649 658	3920-582	532, 651 660	3920-910	533, 652 661	3929-422E	532, 651 660	3929-764	531, 650 659
3901-908	529, 648 657	3916-040	530, 649 658	3920-585	532, 651 660	3920-912	533, 652 661	3929-528	531, 650 659	3929-764E	532, 651 660
3901-910	529, 648 657	3916-060	530, 649 658	3920-621	532, 651 660	3920-914	533, 652 661	3929-528E	532, 651 660	3929-786	531, 650 659
3901-912	529, 648 657	3916-080	530, 649 658	3920-623	532, 651 660	3920-916	533, 652 661	3929-530	531, 650 659	3929-786E	532, 651 660
3901-914	529, 648 657	3916-100	530, 649 658	3920-624	532, 651 660	3920-918	533, 652 661	3929-530E	532, 651 660	3929-788	531, 650 660
3901-916	529, 648 657	3916-120	530, 649 658	3920-626	532, 651 660	3920-920	533, 652 661	3929-532	531, 650 659	3929-788E	532, 651 660
3901-918	529, 648 657	3916-140	530, 649 658	3920-628	532, 651 660	3924-060	531, 650 658	3929-532E	532, 651 660	3929-790	531, 650 660
3901-920	529, 648 657	3916-160	530, 649 658	3920-661	532, 651 660	3924-080	531, 650 658	3929-578	531, 650 659	3929-790E	532, 651 660
3906-060	529, 648 657	3916-180	530, 649 658	3920-663	532, 651 660, 661	3924-100	531, 650 658	3929-580	531, 650 659	3929-792	531, 650 660
3906-080	529, 648 657	3916-200	530, 649 658	3920-664	532, 651			3929-580E	532, 651 660	3929-792E	532, 651 660



Spears Part Number Index

3929-794	532, 651	3975-621	533, 652	3976-788	535, 654	3978-100	516, 537	401-010UV	34	401-201	5
	660	3975-623	533, 652	3976-790	535, 654		656	401-012	5	401-202	5
3929-794E	532, 651	3975-624	533, 652	3976-792	535, 654	3978-120	516, 537	401-012B	40	401-209	5
	660	3975-626	533, 652	3976-794	535, 654		656	401-012G	36	401-209G	36
3929-796	532, 651	3975-628	533, 652	3976-796	535, 654	3978-140	516, 537	401-012L	42	401-210	5
	660	3975-661	533, 652	3976-814	535, 654		656	401-012T	83	401-210G	36
3929-796E	532, 651	3975-663	533, 652	3976-816	535, 654	3978-160	537, 656	401-012TC	84	401-211	5
	660	3975-664	533, 652	3976-818	535, 654	3978-180	537, 656	401-012UV	34	401-211G	36
3929-816	532, 651	3975-666	533, 652	3976-820	535, 654	3978-240	537, 656	401-015	5	401-212	5
	660	3975-668	533, 652	3976-822	535, 654	3990-060	536, 655	401-015B	40	401-212G	36
3929-818	532, 651	3975-670	533, 652	3976-824	535, 654	3990-080	536, 655	401-015G	36	401-212T	83
	660	3975-691	533, 652	3976-826	535, 654	3990-100	536, 655	401-015L	42	401-212TC	84
3929-820	532, 651	3975-693	533, 652	3976-828	535, 654	3990-120	536, 655	401-015T	83	401-213	5
	660	3975-694	533, 652	3976-904	535, 654	3990-140	536, 655	401-015TC	84	401-214	5
3929-822	532, 651	3975-696	533, 652	3976-906	535, 654	3990-160	536, 655	401-015UV	34	401-233	5
	660	3975-698	533, 652	3976-908	535, 654	3990-180	536, 655	401-020	5	401-238	5
3929-824	532, 651	3975-700	533, 652	3976-910	535, 654	3990-200	536, 655	401-020B	40	401-239	5
	660	3975-702	533, 652	3976-912	535, 654	3990-240	536, 655	401-020G	36	401-240F	5
3929-826	532, 651	3975-751	534, 653	3976-914	535, 654	3990-532	536, 655	401-020L	42	401-241	5
	660	3975-753	534, 653	3976-916	535, 654	3990-578	536, 655	401-020T	83	401-247	5
3929-828	532, 651	3975-754	534, 653	3976-918	535, 654	3990-580	536, 655	401-020TC	84	401-247G	36
	660	3975-756	534, 653	3976-920	535, 654	3990-582	536, 655	401-020UV	34	401-248	5
3929-906	532, 651	3975-758	534, 653	3977-060	535, 654	3990-585	536, 655	401-025	5	401-248G	36
	660	3975-760	534, 653	3977-080	535, 654	3990-621	536, 655	401-025G	36	401-249	5
3929-908	532, 651	3975-762	534, 653	3977-100	535, 654	3990-623	536, 655	401-025L	42	401-249G	36
	660	3975-764	534, 653	3977-120	535, 654	3990-624	536, 655	401-025T	83	401-250	5
3929-910	532, 651	3975-784	534, 653	3977-140	535, 654	3990-626	536, 655	401-025TC	84	401-250G	36
	660	3975-786	534, 653	3977-160	535, 654	3990-628	536, 655	401-025UV	34	401-251	5
3929-912	532, 651	3975-788	534, 653	3977-180	535, 654	3990-661	536, 655	401-030	5	401-251G	36
	660	3975-790	534, 653	3977-200	535, 654	3990-663	536, 655	401-030B	40	401-251T	83
3929-914	532, 651	3975-792	534, 653	3977-240	536, 655	3990-664	536, 655	401-030G	36	401-251TC	84
	660	3975-794	534, 653	3977-532	535, 654	3990-666	536, 655	401-030L	42	401-253	5
3929-916	532, 651	3975-796	534, 653	3977-578	535, 654	3990-668	536, 655	401-030T	83	401-254	5
	660	3975-814	534, 653	3977-580	535, 654	3990-670	536, 655	401-030TC	84	401-287	6
3929-918	532, 651	3975-816	534, 653	3977-582	535, 654	3990-691	536, 655	401-030UV	34	401-288	6
	660	3975-818	534, 653	3977-585	535, 654	3990-693	536, 655	401-040	5	401-289	6
3929-920	532, 651	3975-820	534, 653	3977-621	535, 654	3990-694	536, 655	401-040G	36	401-290	6
	660	3975-822	534, 653	3977-623	535, 654	3990-696	536, 655	401-040L	42	401-291	6
3942-060	530, 649	3975-824	534, 653	3977-624	535, 654	3990-698	536, 655	401-040T	83	401-292	6
	658	3975-826	534, 653	3977-626	535, 654	3990-700	536, 655	401-040TC	84	401-292T	83
3942-080	530, 649	3975-828	534, 653	3977-628	535, 654	3990-702	536, 655	401-040UV	34	401-292TC	84
	658	3975-904	534, 653	3977-661	535, 654	3990-751	536, 655	401-050	5	401-293	6
3942-100	530, 649	3975-906	534, 653	3977-663	535, 654	3990-753	536, 655	401-050G	36	401-294	6
	658	3975-908	534, 653	3977-664	535, 654	3990-754	536, 655	401-053	5	401-333	6
3942-120	530, 649	3975-910	534, 653	3977-666	535, 654	3990-756	536, 655	401-060	5	401-334	6
	658	3975-912	534, 653	3977-668	535, 654	3990-758	536, 655	401-060G	36	401-335	6
3942-140	530, 649	3975-914	534, 653	3977-670	535, 654	3990-760	536, 655	401-060L	42	401-336	6
	658	3975-916	534, 653	3977-691	535, 654	3990-762	536, 655	401-074	5	401-337	6
3942-160	530, 649	3975-918	534, 653	3977-693	535, 654	3990-764	536, 655	401-075	5	401-337G	36
	658	3975-920	534, 653	3977-694	535, 654	3990-784	536, 655	401-080	5	401-338	6
3942-180	530, 649	3976-060	534, 653	3977-696	535, 654	3990-786	536, 655	401-080G	36	401-338G	36
	658	3976-080	534, 653	3977-698	535, 654	3990-788	536, 655	401-080L	42	401-338T	83
3942-200	530, 649	3976-100	534, 653	3977-700	535, 654	3990-790	536, 655	401-094	5	401-338TC	84
	658	3976-120	534, 653	3977-702	535, 654	3990-792	536, 655	401-095	5	401-339	6
3942-240	530, 649	3976-140	534, 653	3977-751	535, 654	3990-794	536, 655	401-100	5	401-342	6
	658	3976-160	534, 653	3977-753	535, 654	3990-796	536, 655	401-100F	5	401-344	6
3947-100	537, 656	3976-180	535, 654	3977-754	535, 654	3990-814	536, 655	401-100G	36	401-415	6
	661	3976-200	535, 654	3977-756	535, 654	3990-816	536, 655	401-101	5	401-416	6
3947-120	537, 656	3976-240	535, 654	3977-758	535, 654	3990-818	536, 655	401-101G	36	401-417	6
	661	3976-532	534, 653	3977-760	535, 654	3990-820	536, 655	401-102	5	401-418	6
3947-140	537, 656	3976-578	534, 653	3977-762	535, 654	3990-822	536, 655	401-120	5	401-419	6
	661	3976-580	534, 653	3977-764	535, 654	3990-824	536, 655	401-120F	5	401-420	6
3947-160	537, 656	3976-582	534, 653	3977-784	535, 654	3990-826	536, 655	401-120G	36	401-420G	36
	661	3976-585	534, 653	3977-786	535, 654	3990-828	536, 655	401-122	5	401-421	6
3947-180	537, 656	3976-621	534, 653	3977-788	535, 654	3990-904	537, 656	401-124	5	401-422	6
	661	3976-623	534, 653	3977-790	535, 654	3990-906	537, 656	401-125	5	401-422G	36
3947-200	537, 656	3976-624	534, 653	3977-792	535, 654	3990-908	537, 656	401-126	5	401-422T	83
	661	3976-626	534, 653	3977-794	535, 654	3990-910	537, 656	401-130	5	401-422TC	84
3947-240	537, 656	3976-628	534, 653	3977-796	535, 654	3990-912	537, 656	401-130G	36	401-426	6
	661	3976-661	534, 653	3977-814	536, 655	3990-914	537, 656	401-131	5	401-428	6
3949-060	537, 656	3976-663	534, 653	3977-816	536, 655	3990-916	537, 656	401-131G	36	401-486	6
	661	3976-664	534, 653	3977-818	536, 655	3990-918	537, 656	401-132	5	401-487	6
3949-080	537, 656	3976-666	534, 653	3977-820	536, 655	3990-920	537, 656	401-133	5	401-488	6
	661	3976-668	534, 653	3977-822	536, 655	401-002L	42	401-134	5	401-490	6
3949-100	537, 656	3976-670	534, 653	3977-824	536, 655	401-003	5	401-140F	5	401-492	6
	661	3976-691	534, 653	3977-826	536, 655	401-003L	42	401-156	5	401-494	6
3949-120	537, 656	3976-693	534, 653	3977-828	536, 655	401-005	5	401-157	5	401-526	6
	661	3976-694	534, 653	3977-904	536, 655	401-005B	40	401-158	5	401-527	6
3949-160	537, 656	3976-696	534, 653	3977-906	536, 655	401-005G	36	401-160F	5	401-528	6
	661	3976-698	534, 653	3977-908	536, 655	401-005L	42	401-166	5	401-529	6
3975-080	533, 652	3976-700	534, 653	3977-910	536, 655	401-005UV	34	401-166G	36	401-530	6
3975-100	533, 652	3976-702	534, 653	3977-912	536, 655	401-007	5	401-167	5	401-532	6
3975-120	533, 652	3976-751	534, 653	3977-914	536, 655	401-007B	40	401-167G	36	401-532G	36
3975-140	533, 652	3976-753	534, 653	3977-916	536, 655	401-007G	36	401-168	5	401-533	6
3975-160	533, 652	3976-754	534, 653	3977-918	536, 655	401-007L	42	401-168G	36	401-535	6
3975-180	534, 653	3976-756	534, 653	3977-920	536, 655	401-007UV	34	401-168T	83	401-537	6
3975-200	534, 653	3976-758	534, 653	3978-020	537, 656	401-010	5	401-168TC	84	401-578	6
3975-240	534, 653	3976-760	534, 653	3978-030	537, 656	401-010B	40	401-169	5	401-579	6
3975-578	533, 652	3976-762	534, 653	3978-040	537, 656	401-010G	36	401-170	5	401-580	6
3975-580	53										

Spears Part Number Index



401-585G	36	402-012G	36	402-338SR	7, 327	406-020L	42	407-040	8	4101-095	538
401-589	6	402-012SR	5, 327	402-417	7	406-020S	8	407-053	8	4101-101	538
401-621	6	402-015	5	402-417SR	7, 327	406-020T	83	407-074	8	4101-102	538
401-621F	6	402-020	5	402-419	7	406-020TC	84	407-101	8	4101-120	538
401-622F	6	402-025	5	402-419SR	7, 327	406-020UV	34	407-101G	37	4101-121	538
401-623	6	402-030	5	402-420	7	406-025	8	407-101UV	34	4101-122	538
401-623F	6	402-040	5	402-420SR	7, 327	406-025G	36	407-130	8	4101-124	538
401-624	6	402-071	7	402-422	7	406-025L	42	407-131	8	4101-125	538
401-624F	6	402-072	7	402-422SR	7, 327	406-025LSF	8	407-131SR	8, 327	4101-126	538
401-625	6	402-072SR	7, 327	402-490	7	406-025T	83	407-131UV	34	4101-130	538
401-625F	6	402-074	7	402-525	7	406-025TC	84	407-168	8	4101-131	538
401-626	6	402-094	7	402-528	7	406-025UV	34	407-168SR	8, 327	4101-138	538
401-626F	6	402-095	7	402-530	7	406-030	8	407-211	8	4101-139	538
401-628	6	402-098SR	7, 327	402-532	7	406-030G	36	407-212	8	4101-142	538
401-628F	6	402-101	7	402-578	7	406-030L	42	407-249	8	4101-146	538
401-632	6	402-101B	40	402-580	7	406-030LSF	8	407-249SR	8, 327	4101-147	538
401-634F	6	402-101G	36	402-582	7	406-030T	83	407-250	8	4101-148	538
401-636F	6	402-101SR	7, 327	402-621F	7	406-030TC	84	407-251	8	4101-149	538
401-661F	6	402-101UV	34	402-622F	7	406-030UV	34	407-251SR	8, 327	4101-156	538
401-662F	6	402-124	7	402-623F	7	406-040	8	408-005	8	4101-157	538
401-663F	6	402-125	7	402-624F	7	406-040G	36	408-005B	40	4101-158	538
401-664	6	402-130	7	402-661F	7	406-040L	42	408-005G	36	4101-159	538
401-664F	6	402-130G	36	402-663F	7	406-040LSF	8	408-007	8	4101-166	538
401-665F	6	402-130UV	34	402-664F	7	406-040T	83	408-007B	40	4101-167	538
401-666	6	402-131	7	402B-010	5, 31	406-040TC	84	408-007G	36	4101-168	538
401-666F	6	402-131G	36	4020	557, 701	406-040UV	34	408-010	8	4101-169	538
401-668	6	402-131UV	34	403-007	5	406-045F	8	408-010B	40	4101-173	538
401-668F	6	402-156	7	403-095	7	406-050	8	408-010G	36	4101-174	538
401-670	6	402-157	7	403-095SR	7, 327	406-050G	36	408-012	8	4101-175	538
401-670F	6	402-158	7	404A-020	31	406-053	8	408-012G	36	4101-176	538
401-674F	6	402-166	7	405-005	5	406-060	8	408-015	8	4101-177	538
401-676F	6	402-166G	36	405-005B	40	406-060G	36	408-015G	36	4101-182	538
401-678F	6	402-166SR	7, 327	405-005G	36	406-060L	42	408-020	8	4101-184	538
401-691F	6	402-166UV	34	405-007	5	406-060LSF	8	408-020G	36	4101-185	538
401-693F	6	402-167	7	405-007B	40	406-080	8	409-005	8	4101-186	538
401-694F	6	402-167G	36	405-007G	36	406-080G	36	409-005G	37	4101-188	538
401-695F	6	402-167UV	34	405-010	5	406-080L	42	409-005L	42	4101-193	538
401-696F	6	402-168	7	405-010B	40	406-080LSF	8	409-007	8	4101-194	538
401-698F	6	402-168G	36	405-010G	36	406-100	8	409-007G	37	4101-195	538
401-700F	6	402-168SR	7, 327	405-012	5	406-100F	8	409-007L	42	4101-196	538
401-702F	6	402-199	7	405-012B	40	406-100G	36	409-010	8	4101-197	538
401-706F	6	402-199G	36	405-012G	36	406-101	8	409-010G	37	4101-199	538
401-751F	6	402-201	7	405-015	5	406-101G	36	409-010L	42	4101-201	538
401-753F	6	402-202	7	405-015B	40	406-120	8	409-012	8	4101-202	538
401-754F	6	402-209	7	405-015G	36	406-120F	8	409-012G	37	4101-203	538
401-756F	6	402-209G	36	405-020	5	406-120G	36	409-012L	42	4101-204	538
401-758F	6	402-209UV	34	405-020B	40	406-130	8	409-015	8	4101-209	538
401-760F	6	402-210	7	405-020G	36	406-130G	36	409-015B	40	4101-210	538
401-762F	6	402-210G	36	405-025	5	406-131	8	409-015G	37	4101-211	538
401-764F	6	402-210UV	34	406-002L	42	406-140F	8	409-015L	42	4101-212	538
401-768F	6	402-211	7	406-003	8	406-160F	8	409-020	9	4101-213	538
401-781F	6	402-211G	36	406-003G	36	406-166	8	409-020B	40	4101-216	538
401-783F	6	402-212	7	406-003L	42	406-167	8	409-020L	42	4101-217	538
401-784F	6	402-212G	36	406-005	8	406-168	8	409-025	9	4101-218	538
401-786F	6	402-212SR	7, 327	406-005B	40	406-180F	8	409-025L	42	4101-219	538
401-788F	6	402-238	7	406-005G	36	406-200F	8	409-030	9	4101-220	538
401-790F	6	402-239	7	406-005L	42	406-209	8	409-040	9	4101-221	538
401-792F	6	402-247	7	406-005S	8	406-211	8	409-050	9	4101-222	538
401-794F	6	402-247G	36	406-005UV	34	406-212	8	409-060	9	4101-223	538
401-796F	6	402-247UV	34	406-007	8	406-240F	8	409-080	9	4101-224	538
401-811F	6	402-248	7	406-007B	40	406-249	8	409-100	9	4101-225	538
401-813F	6	402-248G	36	406-007G	36	406-250	8	409-120	9	4101-226	538
401-814F	6	402-248UV	34	406-007L	42	406-251	8	409-140F	9	4101-227	538
401-816F	6	402-249	7	406-007S	8	406-251N	8, 31	409-160F	9	4101-228	538
401-818F	6	402-249G	36	406-007UV	34	406-292	8	409-180F	9	4101-229	538
401-820F	6	402-250	7	406-010	8	406-292N	8, 31	409-200F	9	4101-230	538
401-822F	6	402-250G	36	406-010B	40	407-005	8	409-240F	9	4101-231	538
401-824F	6	402-251	7	406-010G	36	407-005B	40	410-005	9	4101-232	538
401-826F	6	402-251G	36	406-010L	42	407-005G	36	410-005B	40	4101-233	538
401-828F	6	402-287	7	406-010S	8	407-005SR	8, 327	410-005G	37	4101-234	538
401-901F	6	402-287SR	7, 327	406-010T	83	407-005UV	34	410-007	9	4101-235	538
401-903F	6	402-288	7	406-010TC	84	407-007	8	410-007B	40	4101-236	538
401-904F	6	402-288SR	7, 327	406-010UV	34	407-007B	40	410-007G	37	4101-237	538
401-906F	6	402-289	7	406-012	8	407-007G	36	410-010	9	4101-238	538
401-908F	6	402-289SR	7, 327	406-012B	40	407-007SR	8, 327	410-010B	40	4101-239	538
401-910F	6	402-290	7	406-012G	36	407-007UV	34	410-012	9	4101-240	538
401-912F	6	402-290SR	7, 327	406-012L	42	407-010	8	410-012B	40	4101-241	538
401-914F	6	402-291	7	406-012S	8	407-010B	40	410-015	9	4101-242	538
401-916F	6	402-291SR	7, 327	406-012T	83	407-010G	36	410-015B	40	4101-243	538
401-918F	6	402-292	7	406-012TC	84	407-010SR	8, 327	410-020	9	4101-244	538
401-920F	6	402-292SR	7, 327	406-012UV	34	407-012	8	410-020B	40	4101-247	538
402-003	5	402-333	7	406-015	8	407-012B	40	410-030	9	4101-248	539
402-005	5	402-333SR	7, 327	406-015B	40	407-012G	36	410-101	9	4101-249	539
402-005G	36	402-334	7	406-015G	36	407-012SR	8, 327	410-102	9	4101-250	539
402-005SR	5, 327	402-334SR	7, 327	406-015L	42	407-015	8	4101-005	538	4101-251	539
402-005UV	34	402-335	7	406-015S	8	407-015B	40	4101-007	538	4101-257	539
402-007	5	402-335SR	7, 327	406-015T	83	407-015G	36	4101-010	538	4106-005	539
402-007G	36	402-336	7	406-015TC	84	407-020	8	4101-012	538	4106-007	539
402-007UV	34	402-336SR	7, 327	406-015UV	34	407-020B	40	4101-015	538	4106-010	539
402-010	5	402-337	7	406-020	8	407-020G	36	4101-020	538	4106-012	539
402-010G	36	402-337SR	7, 327	406-020B	40	407-025	8	4101-074	538	4106-015	539
402-012	5	402-338	7	406-020G	36	407-030	8	4101-094	538	4106-020	539



Spears Part Number Index

4106-101	539	41102J101-120	458	41121H101-020	461	41202A121-020	457	41212H101-030	462	4129-251	539
4106-130	539	41103A121-015	457	41121H101-025	461	41202A121-025	457	41212H101-040	462	413-005	9
4106-131	539	41103A121-020	457	41121H101-030	461	41202A121-030	457	41212H101-060	462	413-007	9
4106-167	539	41103A121-025	457	41121H101-040	461	41202A121-040	457	41212H101-080	462	413-010	9
4106-168	539	41103A121-030	457	41121H101-060	461	41202A121-060	457	41212H101-100	462	413-015	9
4106-209	539	41103A121-040	457	41121H101-080	461	41202A121-080	457	41212H101-120	462	413-020	9
4106-210	539	41103A121-060	457	41121H101-100	461	41202A121-100	457	41212J101-015	462	41301A121-015	457
4106-211	539	41103A121-080	457	41121H101-120	461	41202A123-120	457	41212J101-020	462	41301A121-020	457
4106-212	539	41103A121-100	457	41121J101-015	461	41202H101-015	458	41212J101-025	462	41301A121-025	457
4106-247	539	41103A123-120	457	41121J101-020	461	41202H101-020	458	41212J101-030	462	41301A121-030	457
4106-248	539	41103H101-015	458	41121J101-025	461	41202H101-025	458	41212J101-040	462	41301A121-040	457
4106-249	539	41103H101-020	458	41121J101-030	461	41202H101-030	458	41212J101-060	462	41301A121-060	457
4106-250	539	41103H101-025	458	41121J101-040	461	41202H101-040	458	41212J101-080	462	41301A121-080	457
4106-251	539	41103H101-030	458	41121J101-060	461	41202H101-060	458	41212J101-100	462	41301A121-100	457
4107-005SR	342, 539	41103H101-040	458	41121J101-080	461	41202H101-080	458	41212J101-120	462	41301A123-120	457
4109-005	539	41103H101-060	458	41121J101-100	461	41202H101-100	458	41221A121-015	460	41301H101-015	458
4109-007	539	41103H101-080	458	41121J101-120	461	41202H101-120	458	41221A121-020	460	41301H101-020	458
4109-010	539	41103H101-100	458	41122A121-015	460	41202J101-015	458	41221A121-025	460	41301H101-025	458
411-005F	10	41103H101-120	459	41122A121-020	460	41202J101-020	458	41221A121-030	460	41301H101-030	458
411-007F	10	41103J101-015	458	41122A121-025	460	41202J101-025	458	41221A121-040	460	41301H101-040	458
411-010F	10	41103J101-020	458	41122A121-030	460	41202J101-030	458	41221A121-060	460	41301H101-060	458
411-012F	10	41103J101-025	458	41122A121-040	460	41202J101-040	458	41221A121-080	460	41301H101-080	458
411-015	10	41103J101-030	458	41122A121-060	460	41202J101-060	458	41221A121-100	460	41301H101-100	458
411-015F	10	41103J101-040	458	41122A121-080	460	41202J101-080	458	41221A123-120	460	41301H101-120	458
411-020	10	41103J101-060	458	41122A121-100	460	41202J101-100	458	41221H101-015	461	41301J101-015	458
411-025F	10	41103J101-080	458	41122A123-120	460	41202J101-120	458	41221H101-020	461	41301J101-020	458
411-030	11	41103J101-100	459	41122H101-015	461	41203A121-015	457	41221H101-025	461	41301J101-025	458
411-040	11	41103J101-120	459	41122H101-020	461	41203A121-020	457	41221H101-030	461	41301J101-030	458
411-045F	11	41111A121-015	460	41122H101-025	461	41203A121-025	457	41221H101-040	461	41301J101-040	458
411-050F	11	41111A121-020	460	41122H101-030	461	41203A121-030	457	41221H101-060	461	41301J101-060	458
411-060F	11	41111A121-025	460	41122H101-040	461	41203A121-040	457	41221H101-080	461	41301J101-080	458
411-080F	11	41111A121-030	460	41122H101-060	461	41203A121-060	457	41221H101-100	461	41301J101-100	458
411-100F	11	41111A121-040	460	41122H101-080	461	41203A121-080	457	41221H101-120	461	41301J101-120	458
411-120F	11	41111A121-060	460	41122H101-100	462	41203A121-100	457	41221J101-015	461	41302A121-015	457
411-140F	11	41111A121-080	460	41122H101-120	462	41203A123-120	457	41221J101-020	461	41302A121-020	457
411-160F	11	41111A121-100	460	41122J101-015	461	41203H101-015	458	41221J101-025	461	41302A121-025	457
411-180F	11	41111A123-120	460	41122J101-020	461	41203H101-020	458	41221J101-030	461	41302A121-030	457
411-200F	11	41111H101-015	461	41122J101-025	461	41203H101-025	458	41221J101-040	461	41302A121-040	457
411-240F	11	41111H101-020	461	41122J101-030	461	41203H101-030	458	41221J101-060	461	41302A121-060	457
41101A121-015	457	41111H101-025	461	41122J101-040	461	41203H101-040	458	41221J101-080	461	41302A121-080	457
41101A121-020	457	41111H101-030	461	41122J101-060	461	41203H101-060	458	41221J101-100	461	41302A121-100	457
41101A121-025	457	41111H101-040	461	41122J101-080	461	41203H101-080	458	41221J101-120	461	41302A123-120	457
41101A121-030	457	41111H101-060	461	41122J101-100	462	41203H101-100	458	41222A121-015	460	41302H101-015	458
41101A121-040	457	41111H101-080	461	41122J101-120	462	41203H101-120	459	41222A121-020	460	41302H101-020	458
41101A121-060	457	41111H101-100	461	4117-005	539	41203J101-015	458	41222A121-025	460	41302H101-025	458
41101A121-080	457	41111H101-120	461	4117-007	539	41203J101-020	458	41222A121-030	460	41302H101-030	458
41101A121-100	457	41111J101-015	461	4117-010	539	41203J101-025	458	41222A121-040	460	41302H101-040	458
41101A123-120	457	41111J101-020	461	4117-012	539	41203J101-030	458	41222A121-060	460	41302H101-060	458
41101H101-015	458	41111J101-025	461	4117-015	539	41203J101-040	458	41222A121-080	460	41302H101-080	458
41101H101-020	458	41111J101-030	461	4117-020	539	41203J101-060	458	41222A121-100	460	41302H101-100	458
41101H101-025	458	41111J101-040	461	412-005	9	41203J101-080	458	41222A123-120	460	41302H101-120	458
41101H101-030	458	41111J101-060	461	412-005B	40	41203J101-100	459	41222H101-015	461	41302J101-015	458
41101H101-040	458	41111J101-080	461	412-005G	37	41203J101-120	459	41222H101-020	461	41302J101-020	458
41101H101-060	458	41111J101-100	461	412-005UV	34	41211A121-015	460	41222H101-025	461	41302J101-025	458
41101H101-080	458	41111J101-120	461	412-007	9	41211A121-020	460	41222H101-030	461	41302J101-030	458
41101H101-100	458	41112A121-015	460	412-007G	37	41211A121-025	460	41222H101-040	461	41302J101-040	458
41101H101-120	458	41112A121-020	460	412-007UV	34	41211A121-030	460	41222H101-060	461	41302J101-060	458
41101J101-015	458	41112A121-025	460	412-010	9	41211A121-040	460	41222H101-080	461	41302J101-080	458
41101J101-020	458	41112A121-030	460	412-010G	37	41211A121-060	460	41222H101-100	462	41302J101-100	458
41101J101-025	458	41112A121-040	460	412-012	9	41211A121-080	460	41222H101-120	462	41302J101-120	458
41101J101-030	458	41112A121-060	460	412-015	9	41211A121-100	460	41222J101-015	461	41303A121-015	457
41101J101-040	458	41112A121-080	460	412-015G	37	41211A123-120	460	41222J101-020	461	41303A121-020	457
41101J101-060	458	41112A121-100	460	412-020	9	41211H101-015	461	41222J101-025	461	41303A121-025	457
41101J101-080	458	41112A123-120	460	412-030	9	41211H101-020	461	41222J101-030	461	41303A121-030	457
41101J101-100	458	41112H101-015	462	41201A121-015	457	41211H101-025	461	41222J101-040	461	41303A121-040	457
41101J101-120	458	41112H101-020	462	41201A121-020	457	41211H101-030	461	41222J101-060	461	41303A121-060	457
41102A121-015	457	41112H101-025	462	41201A121-025	457	41211H101-040	461	41222J101-080	461	41303A121-080	457
41102A121-020	457	41112H101-030	462	41201A121-030	457	41211H101-060	461	41222J101-100	462	41303A121-100	457
41102A121-025	457	41112H101-040	462	41201A121-040	457	41211H101-080	461	41222J101-120	462	41303A123-120	457
41102A121-030	457	41112H101-060	462	41201A121-060	457	41211H101-100	461	4127-005	539	41303H101-015	458
41102A121-040	457	41112H101-080	462	41201A121-080	457	41211H101-120	461	4127-007	539	41303H101-020	458
41102A121-060	457	41112H101-100	462	41201A121-100	457	41211J101-015	461	4127-010	539	41303H101-025	458
41102A121-080	457	41112H101-120	462	41201A123-120	457	41211J101-020	461	4129-005	539	41303H101-030	458
41102A121-100	457	41112J101-015	462	41201H101-015	458	41211J101-025	461	4129-007	539	41303H101-040	458
41102A123-120	457	41112J101-020	462	41201H101-020	458	41211J101-030	461	4129-010	539	41303H101-060	458
41102H101-015	458	41112J101-025	462	41201H101-025	458	41211J101-040	461	4129-012	539	41303H101-080	458
41102H101-020	458	41112J101-030	462	41201H101-030	458	41211J101-060	461	4129-015	539	41303H101-100	458
41102H101-025	458	41112J101-040	462	41201H101-040	458	41211J101-080	461	4129-020	539	41303H101-120	459
41102H101-030	458	41112J101-060	462	41201H101-060	458	41211J101-100	461	4129-101	539	41303J101-015	458
41102H101-040	458	41112J101-080	462	41201H101-080	458						

Spears Part Number Index



41311A121-060	460	41322H101-100	462	415-160F	10	417-060	9	420-288	12	4201-126	707
41311A121-080	460	41322H101-120	462	415-180F	10	417-060G	37	420-289	12	4201-131	707
41311A121-100	460	41322J101-015	461	415-200F	10	417-060L	42	420-290	12	4201-157	707
41311A123-120	460	41322J101-020	461	415-240F	10	417-080	9	420-291	12	4201-158	707
41311H101-015	461	41322J101-025	461	416-005	10	417-080F	9	420-292	12	4201-159	707
41311H101-020	461	41322J101-030	461	416-007	10	417-080G	37	420-334	12	4201-167	707
41311H101-025	461	41322J101-040	461	416-010	10	417-080L	42	420-335	12	4201-168	707
41311H101-030	461	41322J101-060	461	416-012	10	417-100	9	420-336	12	4201-169	707
41311H101-040	461	41322J101-080	461	416-015	10	417-100F	9	420-337	12	4201-201	707
41311H101-060	461	41322J101-100	462	416-020	10	417-120	9	420-338	13	4201-202	707
41311H101-080	461	41322J101-120	462	416-025	10	417-120F	9	420-339	13	4201-210	707
41311H101-100	461	4135-005BRG	342, 540	416-025F	10	417-140F	9	420-420	13	4201-211	707
41311H101-120	461	4135-005OR	343, 539	416-030	10	417-160F	9	420-421	13	4201-212	707
41311J101-015	461	4135-005SR	342, 540	416-040	10	417-180F	9	420-422	13	4201-213	707
41311J101-020	461	4135-007BRG	342, 540	416-045F	10	417-200F	9	420-528F	13	4201-248	707
41311J101-025	461	4135-007OR	343, 539	416-050F	10	417-240F	10	420-529F	13	4201-249	707
41311J101-030	461	4135-007SR	342, 540	416-060	10	4170E-005	30	420-530F	13	4201-250	707
41311J101-040	461	4135-010BRG	342, 540	416-060F	10	4170E-007	30	420-532F	13	4201-251	707
41311J101-060	461	4135-010OR	343, 540	416-060GF	37	4170E-010	30	420-578F	13	4201-289	707
41311J101-080	461	4135-010SR	342, 540	416-080	10	4170E-012	30	420-579F	13	4201-290	707
41311J101-100	461	4135-012BRG	342, 540	416-080F	10	4170E-015	30	420-580F	13	4201-291	707
41311J101-120	461	4135-015BRG	342, 540	416-100F	10	4170E-020	30	420-582F	13	4201-292	707
41312A121-015	460	4135-020BRG	342, 540	416-120F	10	4170E-025	30	420-585F	13	4201-335	707
41312A121-020	460	4135-010BRG	342, 540	416-120GF	37	418-005F	10	420-621F	13	4201-336	707
41312A121-025	460	4135-130BRG	342, 540	416-140F	10	418-007F	10	420-622F	13	4201-337	707
41312A121-030	460	4135-131SR	342, 540	416-160F	10	418-010F	10	420-623F	13	4201-338	707
41312A121-040	460	4136-005	540	416-180F	10	418-012F	10	420-624F	13	4201-339	707
41312A121-060	460	4136-005BR	342, 540	416-200F	10	418-015F	10	420-626F	13	4201-339	707
41312A121-080	460	4136-005R	342, 540	416-240F	10	418-020F	10	420-628F	13	4201-339	707
41312A121-100	460	4136-007	540	416-1005	540	418-025F	10	420-661F	13	4202-010	340, 707
41312A123-120	460	4136-007BR	342, 540	417-002L	42	418-030F	10	420-662F	13	4202-010SR	339, 707
41312H101-015	462	4136-007R	342, 540	417-003L	42	418-040F	10	420-663F	13	4202-101	340, 707
41312H101-020	462	4136-010	540	417-005	9	418-045F	10	420-664F	13	4202-101 G	707
41312H101-025	462	4136-010BR	342, 540	417-005B	40	418-050F	10	420-666F	13	4202-101SR	339, 707
41312H101-030	462	4136-010R	342, 540	417-005G	37	418-060F	10	420-668F	13	4202-124	340, 707
41312H101-040	462	4136-012	540	417-005L	42	418-080F	10	420-670F	13	4202-124 G	707
41312H101-060	462	4136-012BR	342, 540	417-005UV	34	418-100F	10	420-691F	13	4202-124SR	339, 707
41312H101-080	462	4136-015	540	417-007	9	418-120F	10	420-693F	13	4202-130	340, 707
41312H101-100	462	4136-015BR	342, 540	417-007B	40	418-140F	10	420-694F	13	4202-130 G	707
41312H101-120	462	4136-020	540	417-007G	37	418-160F	10	420-696F	13	4202-130SR	339, 707
41312J101-015	462	4136-020BR	342, 540	417-007L	42	418-180F	10	420-698F	13	4202-156	340, 707
41312J101-020	462	4136-074	540	417-007UV	34	418-200F	10	420-700F	13	4202-156SR	339, 707
41312J101-025	462	4136-101	540	417-010	9	418-240F	10	420-702F	13	4202-166	340, 707
41312J101-030	462	4137-101	540	417-010B	40	4197-005	540	420-751F	13	4202-166 G	707
41312J101-040	462	4137-130	540	417-010G	37	4197-007	540	420-753F	13	4202-166SR	339, 707
41312J101-060	462	4137-131	540	417-010L	42	4197-010	540	420-754F	13	4202-168SR	339, 707
41312J101-080	462	4137-166	540	417-010T	83	420-005	12	420-756F	13	4202-199	340, 707
41312J101-100	462	4137-167	540	417-010TC	84	420-005G	37	420-758F	13	4202-199SR	339, 707
41312J101-120	462	4137-168	540	417-010UV	34	420-007	12	420-760F	13	4202-209	340, 707
41321A121-015	460	4137-209	540	417-012	9	420-007G	37	420-762F	13	4202-209 G	707
41321A121-020	460	4137-210	540	417-012B	40	420-010	12	420-764F	13	4202-209SR	339, 707
41321A121-025	460	4137-211	540	417-012G	37	420-010G	37	420-781F	13	4202-211SR	339, 707
41321A121-030	460	4137-212	540	417-012L	42	420-012	12	420-783F	13	4202-237	340, 707
41321A121-040	460	4137-247	540	417-012T	83	420-012G	37	420-784F	13	4202-237SR	339, 707
41321A121-060	460	4137-248	540	417-012TC	84	420-015	12	420-786F	13	4202-247	340, 707
41321A121-080	460	4137-249	540	417-012UV	34	420-015B	40	420-788F	13	4202-247 G	707
41321A121-100	460	4137-250	540	417-015	9	420-015G	37	420-790F	13	4202-247SR	339, 707
41321A123-120	460	4137-251	540	417-015B	40	420-020	12	420-792F	13	4202-287SR	339, 707
41321H101-015	461	414-005	9	417-015G	37	420-020B	40	420-794F	13	4203-122	340, 707
41321H101-020	461	414-007	9	417-015L	42	420-020G	37	420-796F	13	4203-122 G	707
41321H101-025	461	414-101	9	417-015T	83	420-025	12	420-811F	13	4203-122SR	339, 708
41321H101-030	461	414-130	9	417-015TC	84	420-025G	37	420-813F	13	4206-007	708
41321H101-040	461	4140-005	540	417-015UV	34	420-030	12	420-814F	13	4206-010	708
41321H101-060	461	4140-007	540	417-020	9	420-030G	37	420-816F	13	4206-012	708
41321H101-080	461	4140-010	540	417-020B	40	420-040	12	420-818F	13	4206-015	708
41321H101-100	461	4140-012	540	417-020G	37	420-040G	37	420-820F	13	4206-020	708
41321H101-120	461	4140-015	540	417-020L	42	420-050F	12	420-822F	13	4206-025	708
41321J101-015	461	4140-020	540	417-020T	83	420-060F	12	420-824F	13	4206-030	708
41321J101-020	461	4141-007	540	417-020TC	84	420-080F	12	420-826F	13	4206-131	708
41321J101-025	461	4141-010	540	417-020UV	34	420-100F	12	420-828F	13	4207-101	340, 708
41321J101-030	461	4147-005	540	417-025	9	420-101	12	420-901F	13	4207-101 G	708
41321J101-040	461	4147-007	540	417-025G	37	420-120F	12	420-903F	13	4207-101SR	339, 708
41321J101-060	461	4147-010	540	417-025L	42	420-130	12	420-904F	13	4207-130	340, 708
41321J101-080	461	4147-012	540	417-025T	83	420-131	12	420-906F	13	4207-130 G	708
41321J101-100	461	4147-015	540	417-025TC	84	420-140F	12	420-908F	13	4207-130SR	339, 708
41321J101-120	461	4147-020	540	417-025UV	34	420-160F	12	420-910F	13	4207-131	340, 708
41322A121-015	460	415-005F	10	417-030	9	420-166	12	420-912F	13	4207-131SR	339, 708
41322A121-020	460	415-007F	10	417-030G	37	420-167	12	420-914F	13	4207-166	340, 708
41322A121-025	460	415-010F	10	417-030L	42	420-168	12	420-916F	13	4207-166 G	708
41322A121-030	460	415-012F	10	417-030T	83	420-180F	12	420-918F	13	4207-166SR	339, 708
41322A121-040	460	415-015F	10	417-030TC	84	420-200F	12	420-920F	13	4209-007	708
41322A121-060	460	415-020F	10	417-030UV	34	420-209	12	42001SR	339, 710	4209-010	708
41322A121-080	460	415-025F	10	417-040	9	420-210	12	42004SR	339, 710	4209-012	708
41322A121-100	460	415-030F	10	417-040G	37	420-211	12	4201-007	707	4209-015	708
41322A123-120	460	415-040F	10	417-040L	42	420-212	12	4201-010	707	4209-020	708
41322H101-015	461	415-045F	10	417-040T	83	420-240F	12	4201-012	707	4201A-010	13
41322H101-020	461	415-050F	10	417-040TC	84	420-247	12	4201-015	707	4213-007	708
41322H101-025	461	415-060F	10	417-040UV	34	420-248	12	4201-020	707	4213-010	708
41322H101-030	461	415-080F	10	417-045F	9	420-249	12	4201-025	707	4216-007	708
41322H101-040	461	415-100F	10	417-050	9	420-250	12	4201-030	707	4216-010	



Spears Part Number Index

4216-020	708	4238-130BR G	710	427-080	10, 31	429-080	13	429-582FE	15	43BD-200C	580
4216-025	708	4238-130SR	339, 710	427-100	10, 31	429-080G	38	429-583F	14	43BD-240	577
4216-030	708	424-005F	9	427-120	10, 31	429-080L	43	429-583FE	15	43BD-240C	580
4217-007	708	424-007F	9	427-140F	10, 31	429-100	13	429-585	14	43BG-060	577
4217-010	708	424-010F	9	427-160F	10, 31	429-100F	13	429-585FE	15	43BG-060C	580
4217-012	708	424-012F	9	427-180F	10, 31	429-101	14	429-621F	14	43BG-080	577
4217-015	708	424-015F	9	427-200F	10, 31	429-101G	38	429-623F	14	43BG-080C	580
4217-020	708	424-020F	9	427-240F	10, 31	429-120	13	429-624	14	43BG-100	577
4217-025	708	424-025F	9	4278-007	340, 709	429-120F	13	429-624F	14	43BG-100C	580
4217-030	708	424-030F	9	4278-007SR	339, 709	429-130	14	429-624FE	15	43BG-120	577
422-015	31	424-040F	9	4278-010	340, 709	429-131	14	429-626	14	43BG-120C	580
4220-007	708	424-045F	9	4278-010SR	339, 709	429-131FE	14	429-626F	14	43BG-140	577
4220-010	708	424-050F	9	428-020F	45	429-131G	38	429-626FE	15	43BG-140C	580
4220-012	708	424-060F	9	428-030F	45	429-140	13	429-628	14	43BG-160	577
4220-015	708	424-080F	9	428-040F	45	429-140F	13	429-628F	14	43BG-160C	580
4220-020	708	424-100F	9	428-060F	45	429-160F	13	429-628FE	15	43BG-180	577
4220-025	708	424-120F	9	428-080F	45	429-166	14	429-664F	14	43BG-180C	580
4220-030	708	424-140F	9	428-100F	45	429-167	14	429-664FE	15	43BG-200	577
4220-131	708	424-160F	9	428-120F	45	429-168	14	429-666	14	43BG-200C	580
4220-167	709	424-180F	9	428-140F	45	429-168FE	14	429-666F	14	43BG-240	577
4220-289	709	424-240F	9	428-160F	45	429-168G	38	429-666FE	15	43BG-240C	580
4227-010	708	4242-007	708	428-180F	45	429-180F	13	429-668	14	430-005	13
4227-012	708	4242-010	708	428-200F	45	429-200F	13	429-668F	14	430-005G	13, 38
4227-015	708	4242-012	708	428-240F	45	429-209	14	429-668FE	15	430-005SR	13, 327
4227-020	708	4242-015	708	429-002L	42	429-210	14	429-670F	14	430-005UV	34
4229-007	709	4242-020	708	429-003	13	429-211	14	429-670FE	15	430-007	13
4229-010	709	4242-025	708	429-003L	43	429-212	14	429-693F	14	430-007G	38
4229-012	709	4242-030	708	429-005	13	429-212FE	14	429-694F	14	430-007SR	13, 327
4229-015	709	4244-007	708	429-005B	40	429-212G	38	429-696F	14	430-007UV	34
4229-020	709	4244-010	708	429-005G	37	429-240F	13	429-696FE	15	430-010	13
4229-025	709	4244-012	708	429-005L	43	429-247	14	429-698F	14	430-010G	38
4229-030	709	4244-015	708	429-005N	13	429-248	14	429-698FE	15	430-010SR	13, 327
4229-131	709	4244-020	708	429-005UV	34	429-249	14	429-700F	14	430-012	13
4229-167	709	4247-007	710	429-007	13	429-249FE	14	429-700FE	15	430-012SR	13, 327
4229-168	709	4247-010	710	429-007B	40	429-250	14	429-702F	14	430-015SR	13, 327
4229-210	709	4247-012	710	429-007G	38	429-250FE	14	429-702FE	15	430-020SR	13, 327
4229-211	709	4247-015	710	429-007L	43	429-251	14	429-751F	14	430-101	14
4229-212	709	4247-020	710	429-007N	13	429-251FE	14	429-754F	14	430-101SR	14, 327
4229-248	709	4247-025	710	429-007UV	34	429-251G	38	429-756F	14	4301-060	577
4229-249	709	4247-030	710	429-010	13	429-290FE	14	429-756FE	15	4301-060C	580
4229-250	709	4250-005	710	429-010B	40	429-291	14	429-758F	14	4301-080	577
4229-251	709	4251-007	710	429-010G	38	429-291FE	14	429-758FE	15	4301-080C	580
4229-291	709	4251-010	710	429-010L	43	429-292	14	429-760F	14	4301-100	577
4229-292	709	4251-012	710	429-010N	13	429-292FE	14	429-760FE	15	4301-100C	580
4233-012	341, 709	4251-015	711	429-010T	83	429-335	14	429-762F	14	4301-120	577
4233-015	341, 709	4251-020	711	429-010TC	84	429-335FE	14	429-762FE	15	4301-120C	580
4233-020	341, 709	4251-025	711	429-010UV	34	429-336FE	14	429-764F	14	4301-140	577
4233-025	341, 709	4253-007	711	429-012	13	429-337	14	429-764FE	15	4301-140C	580
4233-030	341, 709	4253-010	711	429-012B	40	429-337FE	14	429-786F	14	4301-160	577
4235-007	340, 709	4253-012	711	429-012G	38	429-338	14	429-786FE	15	4301-160C	580
4235-007SR	339, 709	4253-015	711	429-012L	43	429-338E	14	429-788F	14	4301-180	577
4235-010	340, 709	4253-020	711	429-012T	83	429-338FE	14	429-788FE	15	4301-180C	580
4235-010SR	339, 709	4253-025	711	429-012TC	84	429-338G	38	429-790F	14	4301-200	577
4235-012	340, 709	4253-030	711	429-012UV	34	429-339	14	429-790FE	15	4301-200C	580
4235-012SR	339, 709	4254-030	711	429-015	13	429-339FE	14	429-792F	14	4301-240	577
4235-015	340, 709	4256-007	711	429-015B	40	429-416	14	429-792FE	15	4301-240C	580
4235-020	340, 709	4256-010	711	429-015G	38	429-417	14	429-794F	14	4301-532	577
4235-101	340, 709	4256-012	711	429-015L	43	429-417FE	14	429-794FE	15	4301-532C	580
4235-101 G	709	4256-015	711	429-015T	83	429-418FE	14	429-796F	14	4301-582	577
4235-101SR	339, 709	4256-020	711	429-015TC	84	429-419FE	14	429-796FE	15	4301-582C	580
4235-130	340, 709	4256-025	711	429-015UV	34	429-420	14	429-814F	14	4301-585	577
4235-130GS	340, 709	4256-030	711	429-020	13	429-420E	14	429-816F	14	4301-585C	580
4235-130SR	339, 709	4257-007	711	429-020B	40	429-420FE	14	429-818F	14	4301-624	577
4235-131	340, 709	4257-010	711	429-020G	38	429-421	14	429-820F	14	4301-624C	580
4235-131 G	709	4257-012	711	429-020L	43	429-421FE	14	429-822F	14	4301-626	577
4235-131SR	339, 709	4257-015	711	429-020T	83	429-422	14	429-824F	14	4301-626C	580
4236-007	340, 709	4257-020	711	429-020TC	84	429-422B	40	429-826F	14	4301-628	577
4236-010	340, 709	4259-010BR	711	429-020UV	34	429-422FE	14	429-828F	14	4301-628C	580
4236-012	340, 709	4259-012BR	711	429-025	13	429-422G	38	429-906F	14	4301-664	577
4236-015	340, 709	4259-015BR	711	429-025G	38	429-460F	14	429-908F	14	4301-664C	580
4236-020	340, 709	4259-020BR	711	429-025L	43	429-486F	14	429-910F	14	4301-666	577
4237-131	710	427-005	10, 31	429-025T	83	429-487F	14	429-912F	14	4301-666C	580
4237-167	710	427-005L	42	429-025TC	84	429-488F	14	429-914F	14	4301-668	577
4237-168	710	427-007	10, 31	429-025UV	34	429-490F	14	429-916F	14	4301-668C	580
4237-210	710	427-007L	42	429-030	13	429-490FE	15	429-918F	14	4301-670	577
4237-211	710	427-010	10, 31	429-030G	38	429-491F	14	429-920F	14	4301-670C	580
4237-212	710	427-010L	42	429-030L	43	429-528F	14	429GR-020	31	4301-694	577
4237-248	710	427-012	10, 31	429-030T	83	429-528FE	15	43BD-060	577	4301-694C	580
4237-249	710	427-012L	42	429-030TC	84	429-529FE	15	43BD-060C	580	4301-696	577
4237-250	710	427-015	10, 31	429-030UV	34	429-530F	14	43BD-080	577	4301-696C	580
4237-251	710	427-015L	42	429-040	13	429-530FE	15	43BD-080C	580	4301-698	577
4237-290	710	427-020	10, 31	429-040G	38	429-532	14	43BD-100	577	4301-698C	580
4237-291	710	427-020B	40	429-040L	43	429-532E	15	43BD-100C	580	4301-700	577
4237-292	710	427-020L	42	429-040T	83	429-532FE	15	43BD-120	577	4301-700C	580
4237-338	710	427-025	10, 31	429-040TC	84	429-533F	14	43BD-120C	580	4301-702	577
4237-339	710	427-025L	42	429-040UV	34	429-533FE	15	43BD-140	577	4301-702C	580
4238-101	340, 710	427-030	10, 31	429-045F	13	429-534F	14	43BD-140C	580	4301-754	577
4238-101 G	710	427-030L	42	429-050	13	429-578F	14	43BD-160	577	4301-754C	580
4238-101SR	339, 710	427-040	10, 31	429-050G	38	429-578FE	15	43BD-160C	580	4301-756	577
4238-130	340, 710	427-040L	42	429-060	13	429-580F	14	43BD-180	577	4301-756C	580
4238-130 G	710	427-050	10, 31	429-060G	38	429-580FE	15	43BD-180C	580	4301-758	577
4238-130BR	340, 710	427-060	10, 31	429-060L	43	429-582	14	43BD-200	577	4301-758C	580

Spears Part Number Index



4301-760	577	4317-240	577	4320-828C	581	4329-796C	581	4347-180	579	435-100F	15
4301-760C	580	4317-240C	580	4320-904	578	4329-814	578	4347-180A	579	435-101	16
4301-762	577	432-007525	32	4320-904C	581	4329-814C	581	4347-180AC	582	435-101G	38
4301-762C	580	4320-060	577	4320-906	578	4329-816	578	4347-180B	579	435-101SR	16, 327
4301-764	577	4320-060C	580	4320-906C	581	4329-816C	581	4347-180BC	582	435-102	16
4301-764C	580	4320-080	577	4320-908	578	4329-818	578	4347-180C	582	435-102SR	16, 327
4301-784	577	4320-080C	581	4320-908C	581	4329-818C	581	4347-200	579	435-120F	15
4301-784C	580	4320-100	577	4320-910	578	4329-820	578	4347-200A	579	435-130	16
4301-786	577	4320-100C	581	4320-910C	581	4329-820C	581	4347-200AC	582	435-130SR	16, 327
4301-786C	580	4320-120	577	4320-912	578	4329-822	578	4347-200B	579	435-131	16
4301-788	577	4320-120C	581	4320-912C	581	4329-822C	581	4347-200BC	582	435-131G	38
4301-788C	580	4320-140	577	4320-914	578	4329-824	578	4347-200C	582	435-131SR	16, 327
4301-790	577	4320-140C	581	4320-914C	581	4329-824C	581	4347-240	579	435-133	16
4301-790C	580	4320-160	577	4320-916	578	4329-826	578	4347-240A	579	435-168	16
4301-792	577	4320-160C	581	4320-916C	581	4329-826C	581	4347-240AC	582	435-247	16
4301-792C	580	4320-180	577	4320-918	578	4329-828	578	4347-240B	579	435-460F	16
4301-794	577	4320-180C	581	4320-918C	581	4329-828C	581	4347-240BC	582	435-532	16
4301-794C	580	4320-200	577	4320-920	578	4329-904	578	4347-240C	582	435-578F	16
4301-796	577	4320-200C	581	4320-920C	581	4329-904C	581	435-002SR	15, 327	435-582F	16
4301-796C	580	4320-240	577	4329-060	578	4329-906	578	435-002SRL	43	435-628F	16
4301-814	577	4320-240C	581	4329-060C	581	4329-906C	581	435-003	15	4351S-060	579
4301-814C	580	4320-532	578	4329-080	578	4329-908	578	435-003SR	15, 327	4351S-060C	582
4301-816	577	4320-532C	581	4329-080C	581	4329-908C	581	435-003SRL	43	4351S-080	579
4301-816C	580	4320-582	578	4329-100	578	4329-910	578	435-005	15	4351S-080C	582
4301-818	577	4320-582C	581	4329-100C	581	4329-910C	581	435-005B	40	4351S-100	579
4301-818C	580	4320-585	578	4329-120	578	4329-912	578	435-005G	38	4351S-100C	582
4301-820	577	4320-585C	581	4329-120C	581	4329-912C	581	435-005SR	15, 327	4351S-120	579
4301-820C	580	4320-624	578	4329-140	578	4329-914	578	435-005SRL	43	4351S-120C	582
4301-822	577	4320-624C	581	4329-140C	581	4329-914C	581	435-005UV	34	4351S-140	579
4301-822C	580	4320-626	578	4329-160	578	4329-916	578	435-007	15	4351S-140C	582
4301-824	577	4320-626C	581	4329-160C	581	4329-916C	581	435-007B	40	4351S-160	579
4301-824C	580	4320-628	578	4329-180	578	4329-918	578	435-007G	38	4351S-160C	582
4301-826	577	4320-628C	581	4329-180C	581	4329-918C	581	435-007SR	15, 327	4351S-180	579
4301-826C	580	4320-664	578	4329-200	578	4329-920	578	435-007SRL	43	4351S-180C	582
4301-828	577	4320-664C	581	4329-200C	581	4329-920C	581	435-007UV	34	4351S-200	579
4301-828C	580	4320-666	578	4329-240	578	4329S-060	578	435-010	15	4351S-200C	582
4301-904	577	4320-666C	581	4329-240C	581	4329S-060C	581	435-010B	40	4351S-240	579
4301-904C	580	4320-668	578	4329-532	578	4329S-080	578	435-010G	38	4351S-240C	582
4301-906	577	4320-668C	581	4329-532C	581	4329S-080C	581	435-010SR	15, 327	4353-060	579
4301-906C	580	4320-670	578	4329-582	578	4329S-100	578	435-010SRL	43	4353-060C	582
4301-908	577	4320-670C	581	4329-582C	581	4329S-100C	581	435-010SRT	83	4353-080	579
4301-908C	580	4320-694	578	4329-585	578	4329S-120	578	435-010SRTC	84	4353-080C	582
4301-910	577	4320-694C	581	4329-585C	581	4329S-120C	581	435-012	15	4353-100	579
4301-910C	580	4320-696	578	4329-624	578	4329S-140	578	435-012B	40	4353-100C	582
4301-912	577	4320-696C	581	4329-624C	581	4329S-140C	581	435-012G	38	4353-120	579
4301-912C	580	4320-698	578	4329-626	578	4329S-160	578	435-012SR	15, 327	4353-120C	582
4301-914	577	4320-698C	581	4329-626C	581	4329S-160C	581	435-012SRL	43	4353-140	579
4301-914C	580	4320-700	578	4329-628	578	4329S-180	578	435-012SRT	83	4353-140C	582
4301-916	577	4320-700C	581	4329-628C	581	4329S-180C	581	435-012SRTC	84	4353-160	579
4301-916C	580	4320-702	578	4329-664	578	4329S-200	578	435-015	15	4353-160C	582
4301-918	577	4320-702C	581	4329-664C	581	4329S-200C	581	435-015B	40	4353-180	579
4301-918C	580	4320-754	578	4329-666	578	4329S-240	578	435-015G	38	4353-180C	582
4301-920	577	4320-754C	581	4329-666C	581	4329S-240C	581	435-015SR	15, 327	4353-200	579
4301-920C	580	4320-756	578	4329-668	578	434-005	17	435-015SRL	43	4353-200C	582
4306-060	577	4320-756C	581	4329-668C	581	434-007	17	435-015SRT	83	4353-240	579
4306-060C	580	4320-758	578	4329-670	578	434-010	17	435-015SRTC	84	4353-240C	582
4306-080	577	4320-758C	581	4329-670C	581	4347-060	578	435-020	15	4353S-060	579
4306-080C	580	4320-760	578	4329-694	578	4347-060A	579	435-020B	40	4353S-060C	582
4306-100	577	4320-760C	581	4329-694C	581	4347-060AC	582	435-020G	38	4353S-080	579
4306-100C	580	4320-762	578	4329-696	578	4347-060B	579	435-020SR	15, 327	4353S-080C	582
4306-120	577	4320-762C	581	4329-696C	581	4347-060BC	582	435-020SRL	43	4353S-100	579
4306-120C	580	4320-764	578	4329-698	578	4347-060C	582	435-020SRT	83	4353S-100C	582
4306-140	577	4320-764C	581	4329-698C	581	4347-080	578	435-020SRTC	84	4353S-120	579
4306-140C	580	4320-784	578	4329-700	578	4347-080A	579	435-025	15	4353S-120C	582
4306-160	577	4320-784C	581	4329-700C	581	4347-080AC	582	435-025G	38	4353S-140	579
4306-160C	580	4320-786	578	4329-702	578	4347-080B	579	435-025SR	15, 327	4353S-140C	582
4306-180	577	4320-786C	581	4329-702C	581	4347-080BC	582	435-025SRL	43	4353S-160	579
4306-180C	580	4320-788	578	4329-754	578	4347-080C	582	435-025SRT	83	4353S-160C	582
4306-200	577	4320-788C	581	4329-754C	581	4347-100	578	435-025SRTC	84	4353S-180	579
4306-200C	580	4320-790	578	4329-756	578	4347-100A	579	435-030	15	4353S-180C	582
4306-240	577	4320-790C	581	4329-756C	581	4347-100AC	582	435-030G	38	4353S-200	579
4306-240C	580	4320-792	578	4329-758	578	4347-100B	579	435-030SR	15, 327	4353S-200C	582
431-060	15	4320-792C	581	4329-758C	581	4347-100BC	582	435-030SRL	43	4353S-240	579
431-080	15	4320-794	578	4329-760	578	4347-100C	582	435-030SRT	83	4353S-240C	582
431-100F	15	4320-794C	581	4329-760C	581	4347-120	578	435-030SRTC	84	436-003	16
431-120F	15	4320-796	578	4329-762	578	4347-120A	579	435-040	15	436-003L	43
4317-060	577	4320-796C	581	4329-762C	581	4347-120AC	582	435-040G	38	436-005	16
4317-060C	580	4320-814	578	4329-764	578	4347-120B	579	435-040SR	15, 327	436-005B	40
4317-080	577	4320-814C	581	4329-764C	581	4347-120BC	582	435-040SRL	43	436-005G	38
4317-080C	580	4320-816	578	4329-784	578	4347-120C	582	435-040SRT	83	436-005L	43
4317-100	577	4320-816C	581	4329-784C	581	4347-140	579	435-040SRTC	84	436-005UV	34
4317-100C	580	4320-818	578	4329-786	578	4347-140A	579	435-050	15	436-007	16
4317-120	577	4320-818C	581	4329-786C	581	4347-140AC	582	435-050G	38	436-007B	40
4317-120C	580	4320-820	578	4329-788	578	4347-140B	579	435-060	15	436-007G	38
4317-140	577	4320-820C	581	4329-788C	581	4347-140BC	582	435-060G	38	436-007L	43
4317-140C	580	4320-822	578	4329-790	578	4347-140C	582	435-072	16	436-007UV	34
4317-160	577	4320-822C	581	4329-790C	581	4347-160	579	435-072SR	16, 327	436-010	16
4317-160C	580	4320-824	578	4329-792	578	4347-160A	579	435-073	32	436-010B	40
4317-180	577	4320-824C	581	4329-792C	581	4347-160AC	582	435-073G	38	436-010G	38
4317-180C	580	4320-826	578	4329-794	578	4347-160B	579	435-074	16	436-010L	43
4317-200	577	4320-826C	581	4329-794C	581	4347-160BC	582	435-074SR	16, 327	436-010T	84
4317-200C	580	4320-828	578	4329-796	578	4347-160C	582	435-080	15</		



Spears Part Number Index

436-010UV	34	437-168G	38	437-532G	38	4375-696C	582	438-168	18	439-212G	39
436-012	16	437-168L	43	437-532L	43	4375-698	579	438-168G	39	439-247	17
436-012B	40	437-168UV	34	437-534	17	4375-698C	582	438-206	18	439-248	17
436-012G	38	437-209	17	437-534G	38	4375-700	579	438-207	18	439-249	17
436-012L	43	437-209G	38	437-578	17	4375-700C	582	438-207SR	18, 327	439-249G	39
436-012T	84	437-210	17	437-580	17	4375-702	579	438-209	18	439-249SR	18, 328
436-012TC	84	437-210G	38	437-582	17	4375-702C	582	438-209G	39	439-250	17
436-012UV	34	437-210UV	34	437-582G	38	4375-754	579	438-209SR	18, 327	439-250G	39
436-015	16	437-211	17	437-583	17	4375-754C	582	438-210	18	439-251	17
436-015B	40	437-211G	38	437-585	17	4375-756	579	438-210G	39	439-251G	39
436-015G	38	437-211L	43	437-585G	38	4375-756C	582	438-210SR	18, 327	439-292	17
436-015L	43	437-211UV	34	437-585L	43	4375-758	579	438-211	18	439-337	17
436-015T	84	437-212	17	437-623	17	4375-758C	582	438-211G	39	439-338	17
436-015TC	84	437-212G	38	437-624	17	4375-760	579	438-212	18	439-339	17
436-015UV	34	437-212L	43	437-626	17	4375-760C	582	438-212G	39	439-420	17
436-020	16	437-212UV	34	437-628	17	4375-762	579	438-245	18	439-422	17
436-020B	41	437-247	17	437-664	17	4375-762C	582	438-247	18	442-005	10, 31
436-020G	38	437-247G	38	437-666	17	4375-764	579	438-247G	39	442-007	10, 31
436-020L	43	437-248	17	437-666F	17	4375-764C	582	438-247SR	18, 327	442-010	10, 31
436-020T	84	437-248G	38	437-668	17	4375-784	579	438-248	18	442-012	10, 31
436-020TC	84	437-249	17	437-670	17	4375-784C	582	438-248G	39	442-015	10, 31
436-020UV	34	437-249G	38	437-696F	17	4375-786	579	438-248SR	18, 327	442-020	10, 31
436-025	16	437-249UV	34	437-698F	17	4375-786C	582	438-249	18	442-025F	10, 31
436-025G	38	437-250	17	437-700F	17	4375-788	579	438-249G	39	442-030	10, 31
436-025L	43	437-250G	38	437-702F	17	4375-788C	582	438-249SR	18, 327	442-040	10, 31
436-025T	84	437-250T	84	437-756F	17	4375-790	579	438-250	18	442-060	10, 31
436-025TC	84	437-250TC	84	437-758F	18	4375-790C	582	438-250G	39	442-060F	10, 31
436-025UV	34	437-250UV	34	437-760F	18	4375-792	579	438-251	18	442-080	10, 31
436-030	16	437-251	17	437-762F	18	4375-792C	582	438-251G	39	442-080F	10, 31
436-030B	41	437-251B	41	437-764F	18	4375-794	579	438-287	18	442-100F	10, 31
436-030G	38	437-251G	38	437-786F	18	4375-794C	583	438-288	18	442-120F	10, 31
436-030L	43	437-251L	43	437-788F	18	4375-796	579	438-289	18	4423-007	229, 395
436-030T	84	437-251T	84	437-790F	18	4375-796C	583	438-290	18	4423-007C	307, 395
436-030TC	84	437-251TC	84	437-792F	18	4375-814	579	438-291	18	4423-007P	349, 395
436-030UV	34	437-251UV	34	437-794F	18	4375-814C	583	438-291G	39	4423-010	229, 395
436-040	16	437-287	17	437-796F	18	4375-816	579	438-292	18	4423-010C	307, 395
436-040G	38	437-288	17	437-816F	18	4375-816C	583	438-292G	39	4423-010P	349, 395
436-040L	43	437-288UV	34	437-818F	18	4375-818	579	438-334	18	4423-012	229, 395
436-040T	84	437-289	17	437-820F	18	4375-818C	583	438-334SR	18, 327	4423-012C	307, 395
436-040TC	84	437-289UV	34	437-822F	18	4375-820	579	438-335	18	4423-012P	349, 395
436-050	16	437-290	17	437-824F	18	4375-820C	583	438-335SR	18, 327	4423-015	229, 395
436-050G	38	437-290G	38	437-826F	18	4375-822	579	438-336	18	4423-015C	307, 395
436-053	16	437-290UV	34	437-828F	18	4375-822C	583	438-336SR	18, 327	4423-015P	349, 395
436-060	16	437-291	17	437-906F	18	4375-824	579	438-337	18	4423-020	229, 395
436-060G	38	437-291G	38	437-908F	18	4375-824C	583	438-337SR	18, 327	4423-020C	307, 395
436-073	16	437-292	17	437-910F	18	4375-826	579	438-338	18	4423-020P	349, 396
436-074	16	437-292G	38	437-912F	18	4375-826C	583	438-338G	39	4423-025	229, 395
436-074G	38	437-292L	43	437-914F	18	4375-828	580	438-339	18	4423-025C	307, 395
436-074UV	34	437-292T	84	437-916F	18	4375-828C	583	438-420	18	4423-025P	349, 396
436-075	16	437-292TC	84	437-918F	18	4375-904	580	438-420G	39	4423-030	229, 395
436-080	16	437-292UV	34	437-920F	18	4375-904C	583	438-420SR	18, 327	4423-030C	307, 395
436-100F	16	437-333	17	4375-060	579	4375-906	580	438-421	18	4423-030P	349, 396
436-101	16	437-334	17	4375-060C	582	4375-906C	583	438-421SR	18, 327	4423-040	229, 395
436-101B	41	437-334G	38	4375-080	579	4375-908	580	438-422	18	4423-040C	307, 395
436-101G	38	437-335	17	4375-080C	582	4375-908C	583	438-422G	39	4423-040P	349, 396
436-102	16	437-335B	41	4375-100	579	4375-910	580	438-488	18	4423-060	229, 395
436-120F	16	437-335G	38	4375-100C	582	4375-910C	583	438-490	18	4423-060C	307, 395
436-131	16	437-335UV	34	4375-120	579	4375-912	580	438-490G	39	4423-060P	349, 396
436-132	16	437-336	17	4375-120C	582	4375-912C	583	438-528	18	4423-080	229, 395
436-133	16	437-336G	38	4375-140	579	4375-914	580	438-528SR	18, 327	4423-080C	307, 395
436-168	16	437-336UV	35	4375-140C	582	4375-914C	583	438-530	18	4423-080P	349, 396
436-169	16	437-337	17	4375-160	579	4375-916	580	438-530SR	18, 327	4423CB-007	230, 396
436-212	16	437-337B	41	4375-160C	582	4375-916C	583	438-532	18	4423CB-007C	307, 396
436-213	16	437-337G	38	4375-180	579	4375-918	580	438-532G	39	4423CB-007P	349, 396
436-251	16	437-337UV	35	4375-180C	582	4375-918C	583	438-532SR	18, 328	4423CB-010	230, 396
436-251B	41	437-338	17	4375-200	579	4375-920	580	438-534	18	4423CB-010C	307, 396
436-252	16	437-338G	38	4375-200C	582	4375-920C	583	439-052	17	4423CB-010P	349, 396
436-253	16	437-338L	43	4375-240	579	438-071	18	439-071	17	4423CB-012	230, 396
436-294	16	437-338T	84	4375-240C	582	438-072	18	439-072	17	4423CB-012C	307, 396
436-296	16	437-338TC	84	4375-532	579	438-072B	41	439-073	17	4423CB-012P	349, 396
436-342	16	437-338UV	35	4375-532C	582	438-072G	38	439-098	17	4423CB-015	230, 396
436-535F	16	437-339	17	4375-582	579	438-073	18	439-099	17	4423CB-015C	307, 396
436-537F	16	437-339G	38	4375-582C	582	438-073G	38	439-101	17	4423CB-015P	349, 396
437-072	17	437-339L	43	4375-585	579	438-098	18	439-101G	39	4423CB-020	230, 396
437-073	17	437-339UV	35	4375-585C	582	438-098G	38	439-128	17	4423CB-020C	307, 396
437-101	17	437-420	17	4375-624	579	438-101	18	439-130	17	4423CB-020P	349, 396
437-101G	38	437-420G	38	4375-624C	582	438-101G	38	439-130G	39	4423CB-025	230, 396
437-101L	43	437-421	17	4375-626	579	438-127	18	439-131	17	4423CB-025C	307, 396
437-101UV	34	437-421G	38	4375-626C	582	438-128	18	439-131G	39	4423CB-025P	349, 396
437-130	17	437-422	17	4375-628	579	438-128SR	18, 327	439-166	17	4423CB-030	230, 396
437-130G	38	437-422G	38	4375-628C	582	438-129	18	439-166G	39	4423CB-030C	307, 396
437-130UV	34	437-422L	43	4375-664	579	438-130	18	439-167	17	4423CB-030P	349, 396
437-131	17	437-422T	84	4375-664C	582	438-130G	38	439-167G	39	4423CB-040	230, 396
437-131G	38	437-422TC	84	4375-666	579	438-130UV	35	439-168	17	4423CB-040C	307, 396
437-131L	43	437-422UV	35	4375-666C	582	438-131	18	439-168G	39	4423CB-040P	349, 396
437-131UV	34	437-486	17	4375-668	579	438-131G	38	439-209	17	4423CB-060	230, 396
437-166	17	437-488	17	4375-668C	582	438-131UV	35	439-209SR	18, 328	4423CB-060C	307, 396
437-166G	38	437-490	17	4375-670	579	438-166	18	439-210	17	4423CB-060P	349, 397
437-167	17	437-490G	38	4375-670C	582	438-166G	39	439-210G	39	4423CB-080	230, 396
437-167G	38	437-528	17	4375-694	579	438-166SR	18, 327	439-211	17	4423CB-080C	307, 396
437-167UV	34	437-530	17	4375-694C	582	438-167	18	439-211G	39	4423CB-080P	349, 397
437-168	17	437-532	17	4375-696	579	438-167G	39	439-212	17	44231-007	229, 396

Spears Part Number Index



44231-007C	307, 396	44331-010	229, 396	447-240F	18	4520-015C	384	4525-012C	681	4531-030C	303, 387
44231-007P	349, 396	44331-010C	307, 396	448-003	19	4520-020	384	4525-015	681	4531-030CSR	303, 387
44231-010	229, 396	44331-010P	349, 396	448-003G	37	4520-020C	384	4525-015C	681	4531-030SR	224, 386
44231-010C	307, 396	44331-012	229, 396	448-005	19	4520-025	384	4525-020	681	4531-040	224, 386
44231-010P	349, 396	44331-012C	307, 396	448-005B	41	4520-025C	384	4525-020C	681	4531-040C	303, 387
44231-012	229, 396	44331-012P	349, 396	448-005G	37	4520-030	384	4527-005	224, 386	4531-040CSR	303, 387
44231-012C	307, 396	44331-015	229, 396	448-007	19	4520-030C	384	4527-005C	303, 387	4531-040SR	224, 386
44231-012P	349, 396	44331-015C	307, 396	448-007B	41	4520-040	384	4527-007	224, 386	4531-060	224, 386
44231-015	229, 396	44331-015P	349, 396	448-007G	37	4520-040C	384	4527-007C	303, 387	4531-060C	303, 387
44231-015C	307, 396	44331-020	229, 396	448-010	19	4520-060	384	4527-010	224, 386	4531-060CSR	303, 387
44231-015P	349, 396	44331-020C	307, 396	448-010G	37	4520-060C	384	4527-010C	303, 387	4531-060SR	224, 386
44231-020	229, 396	44331-020P	349, 396	448-012	19	4521-005CSR	303, 387	4527-012	224, 386	4532-025	224, 386
44231-020C	307, 396	44331-025	229, 396	448-012G	37	4521-005SR	224, 386	4527-012C	303, 387	4532-025C	303, 387
44231-020P	349, 396	44331-025C	307, 396	448-012SR	19, 328	4521-007CSR	303, 387	4527-015	224, 386	4532-030	224, 386
44231-025	229, 396	44331-025P	349, 396	448-015	19	4521-007SR	224, 386	4527-015C	303, 387	4532-030BL	545
44231-025C	307, 396	44331-030	229, 396	448-015G	37	4521-010CSR	303, 387	4527-020	224, 386	4532-030C	303, 387
44231-025P	349, 396	44331-030C	307, 396	448-020	19	4521-010SR	224, 386	4527-020C	303, 387	4532-040	224, 386
44231-030	229, 396	44331-030P	349, 396	448-020G	37	4521-012CSR	303, 387	4527-025	224, 386	4532-040BL	545
44231-030C	307, 396	44331-040	229, 396	448-025	19	4521-012SR	224, 386	4527-025C	303, 387	4532-040C	303, 387
44231-030P	349, 396	44331-040C	307, 396	448-030	19	4521-015CSR	303, 387	4527-030	224, 386	4532-060	224, 386
44231-040	229, 396	44331-040P	349, 396	448-030G	37	4521-015SR	224, 386	4527-030C	303, 387	4532-060C	303, 387
44231-040C	307, 396	44331-060	229, 396	448-040	19	4521-020CSR	303, 387	4527-040	224, 386	4532-080	224, 386
44231-040P	349, 396	44331-060C	307, 396	448-040G	37	4521-020SR	224, 386	4527-040C	303, 387	4532-080C	303, 387
44231-060	229, 396	44331-060P	349, 396	448-050	19	4521-025	224, 386	4527-060	224, 386	4533-005	224, 386
44231-060C	307, 396	44331-080	229, 396	448-060	19	4521-025C	303, 387	4527-060C	303, 387	4533-005C	303, 387
44231-060P	349, 396	44331-080C	307, 396	448-080F	19	4521-025CSR	303, 387	4528-005	681	4533-007	224, 386
44231-080	229, 396	44331-080P	349, 396	448-100F	19	4521-025SR	224, 386	4528-005C	682	4533-007C	303, 387
44231-080C	307, 396	444-005	5	448-120F	19	4521-030	224, 386	4528-007	681	4533-010	224, 386
44231-080P	349, 396	444-007	5	449-003	19	4521-030C	303, 387	4528-007C	682	4533-010C	303, 387
4433-007	229, 395	444-010	5	449-005	19	4521-030CSR	303, 387	4528-010	681	4533-012	224, 386
4433-007C	307, 395	444-012	5	449-005G	37	4521-030SR	224, 386	4528-010C	682	4533-012C	303, 387
4433-007P	349, 395	444-015	5	449-007	19	4521-040	224, 386	4528-012	681	4533-015	224, 386
4433-010	229, 395	444-020	5	449-007G	37	4521-040C	303, 387	4528-012C	682	4533-015C	303, 387
4433-010C	307, 395	446-003	16	449-010	19	4521-040CSR	303, 387	4528-015	681	4533-020	224, 386
4433-010P	349, 395	446-012	16	449-010G	37	4521-040SR	224, 386	4528-015C	682	4533-020C	303, 387
4433-012	229, 395	446-053	16	449-012	19	4521-060	224, 386	4528-020	681	4533-025	224, 386
4433-012C	307, 395	446-074	16	449-012G	37	4521-060C	303, 387	4528-020C	682	4533-025C	303, 387
4433-012P	349, 395	446-074B	41	449-015	19	4521-060CSR	303, 387	4529-005	224, 386	4533-030	224, 386
4433-015	229, 395	447-002L	43	449-015G	37	4521-060SR	224, 386	4529-005BL	544	4533-030C	303, 387
4433-015C	307, 395	447-003	18	449-020	19	4522-025	224, 386	4529-005C	303, 386	4533-040	224, 386
4433-015P	349, 395	447-003G	37	449-020G	37	4522-025C	303, 387	4529-007	224, 386	4533-040C	303, 387
4433-020	229, 395	447-003L	43	449-025	19	4522-030	224, 386	4529-007BL	544	4533-060	224, 386
4433-020C	307, 395	447-005	18	449-030	19	4522-030BL	544	4529-007C	303, 386	4533-060C	303, 387
4433-020P	349, 396	447-005B	41	449-030G	37	4522-030C	303, 387	4529-010	224, 386	4533-080	224, 386
4433-025	229, 395	447-005G	37	449-040	19	4522-040	224, 386	4529-010BL	544	4533-080C	303, 387
4433-025C	307, 395	447-005L	43	449-060	19	4522-040BL	544	4529-010C	303, 386	4534-005	681
4433-025P	349, 396	447-007	18	449-080F	19	4522-040C	303, 387	4529-012	224, 386	4534-005C	681
4433-030	229, 395	447-007B	41	449-100F	19	4522-060	224, 386	4529-012BL	544	4534-007	681
4433-030C	307, 395	447-007G	37	449-120F	19	4522-060C	303, 387	4529-012C	303, 387	4534-007C	681
4433-030P	349, 396	447-007L	43	449-140F	19	4522-080	224, 386	4529-015	224, 386	4534-010	681
4433-040	229, 395	447-010	18	449-160F	19	4522-080C	303, 387	4529-015BL	544	4534-010C	681
4433-040C	307, 395	447-010B	41	449-180F	19	4523-005	224, 386	4529-015C	303, 387	4534-012	681
4433-040P	349, 396	447-010G	37	449-200F	19	4523-005C	303, 387	4529-020	224, 386	4534-012C	681
4433-060	229, 395	447-010L	43	449-240F	19	4523-007	224, 386	4529-020BL	544	4534-015	681
4433-060C	307, 395	447-012	18	450-003	19	4523-007C	303, 387	4529-020C	303, 387	4534-015C	681
4433-060P	349, 396	447-012B	41	450-003G	37	4523-010	224, 386	4530-005	384	4534-020	681
4433-080	229, 395	447-012G	37	450-005	19	4523-010C	303, 387	4530-005C	384	4534-020C	681
4433-080C	307, 395	447-012L	43	450-005B	41	4523-012	224, 386	4530-007	384	4535-005	681
4433-080P	349, 396	447-015	18	450-005G	37	4523-012C	303, 387	4530-007C	384	4535-005C	681
4433CB-007	230, 396	447-015B	41	450-007	19	4523-015	224, 386	4530-010	384	4535-007	681
4433CB-007C	307, 396	447-015G	37	450-007B	41	4523-015C	303, 387	4530-010C	384	4535-007C	681
4433CB-007P	349, 396	447-015L	43	450-007G	37	4523-020	224, 386	4530-012	384	4535-010	681
4433CB-010	230, 396	447-020	18	450-010	19	4523-020C	303, 387	4530-012C	384	4535-010C	681
4433CB-010C	307, 396	447-020B	41	450-010B	41	4523-025	224, 386	4530-015	384	4535-012	681
4433CB-010P	349, 396	447-020G	37	450-010G	37	4523-025C	303, 387	4530-015C	384	4535-012C	681
4433CB-012	230, 396	447-020L	43	450-012	19	4523-030	224, 386	4530-020	384	4535-015	681
4433CB-012C	307, 396	447-025	18	450-012B	41	4523-030C	303, 387	4530-020C	384	4535-015C	681
4433CB-012P	349, 396	447-025G	37	450-012G	37	4523-040	224, 386	4530-025	384	4535-020	681
4433CB-015	230, 396	447-025L	43	450-015	19	4523-040C	303, 387	4530-025C	384	4535-020C	681
4433CB-015C	307, 396	447-030	18	450-015G	37	4523-060	224, 386	4530-030	384	4537-005	224, 386
4433CB-015P	349, 396	447-030G	37	450-020	19	4523-060C	303, 387	4530-030C	384	4537-005C	303, 387
4433CB-020	230, 396	447-030L	43	450-020G	37	4523-080	224, 386	4530-040	384	4537-007	224, 386
4433CB-020C	307, 396	447-040	18	450-025	19	4523-080C	303, 387	4530-040C	384	4537-007C	303, 387
4433CB-020P	349, 396	447-040B	41	450-025G	37	4524-005	681	4530-060	384	4537-010	224, 386
4433CB-025	230, 396	447-040G	37	450-030	19	4524-005C	681	4530-060C	384	4537-010C	303, 387
4433CB-025C	307, 396	447-040L	43	450-030G	37	4524-007	681	4531-005CSR	303, 387	4537-012	224, 386
4433CB-025P	349, 396	447-045F	18	450-040	19	4524-007C	681	4531-005SR	224, 386	4537-012C	303, 387
4433CB-030	230, 396	447-050	18	450-040G	37	4524-010	681	4531-007CSR	303, 387	4537-015	224, 386
4433CB-030C	307, 396	447-050G	37	450-060	19	4524-010C	681	4531-007SR	224, 386	4537-015C	303, 387
4433CB-030P	349, 396	447-060	18	450-080F	19	4524-012	681	4531-010CSR	303, 387	4537-020	224, 386
4433CB-040	230, 396	447-060B	41	450-100F	19	4524-012C	681	4531-010SR	224, 386	4537-020C	303, 387
4433CB-040C	307, 396	447-060G	37	451A-010	7	4524-015	681	4531-012CSR	303, 387	4537-025	224, 386
4433CB-040P	349, 396	447-060L	43	4520	558, 701	4524-015C	681	4531-012SR			



Spears Part Number Index

4538-007C	682	463-288	20	466E-247	23	466SE-291	24	467E-338SR	25	467SE-420SR	25
4538-010	681	463-333	20	466E-248	23	466SE-333	24	467E-415SR	25	467SE-421SR	25
4538-010C	682	463-335	20	466E-249	23	466SE-334	24	467E-416SR	25	467SE-422SR	25
4538-012	681	463-336	20	466E-250	23	466SE-335	24	467E-417SR	25	467SE-523SR	25, 607
4538-012C	682	463-337	20	466E-251	23	466SE-336	24	467E-418SR	25	467SE-524SR	25, 607
4538-015	681	463-338	20	466E-291	23	466SE-337	24	467E-419SR	25	467SE-525SR	25
4538-015C	682	463-415	20	466E-333	23	466SE-338	24	467E-420SR	25	467SE-526SR	25
4538-020	681	463-416	20	466E-334	23	466SE-415	24	467E-421SR	25	467SE-527SR	25
4538-020C	682	463-417	20	466E-335	23	466SE-416	24	467E-422SR	25	467SE-528SR	25
4539-005	224, 386	463-418	20	466E-336	23	466SE-417	24	467E-523SR	25	467SE-529SR	25
4539-005BL	544	463-419	20	466E-337	23	466SE-418	24	467E-524SR	25	467SE-530SR	25
4539-005C	303, 386	463-420	20	466E-338	23	466SE-419	24	467E-525SR	25	467SE-532SR	25
4539-007	224, 386	463-485	20	466E-415	23	466SE-420	24	467E-526SR	25	467SE-573SR	25, 607
4539-007BL	544	463-486	20	466E-416	23	466SE-421	24	467E-527SR	25	467SE-574SR	25, 607
4539-007C	303, 386	463-523	20	466E-417	23	466SE-422	24	467E-528SR	25	467SE-575SR	25
4539-010	224, 386	463-525	20	466E-418	23	466SE-523	24	467E-529SR	25	467SE-576SR	25
4539-010BL	544	463-526	20	466E-419	23	466SE-524	24	467E-530SR	25	467SE-577SR	25
4539-010C	303, 386	463-527	20	466E-420	23	466SE-525	24	467E-532SR	25	467SE-578SR	25
4539-012	224, 386	463-528	20	466E-421	23	466SE-526	24	467E-573SR	25	467SE-579SR	25
4539-012BL	544	463-530	20	466E-422	23	466SE-527	24	467E-574SR	25	467SE-580SR	25
4539-012C	303, 387	463-532	20	466E-523	23	466SE-528	24	467E-575SR	25	467SE-582SR	25
4539-015	224, 386	463-573	20	466E-524	23	466SE-529	24	467E-576SR	25	467SE-585SR	25
4539-015BL	544	463-575	20	466E-525	23	466SE-530	24	467E-577SR	25	467SE-624SR	25
4539-015C	303, 387	463-576	20	466E-526	23	466SE-532	24	467E-578SR	25	467SE-626SR	25
4539-020	224, 386	463-577	20	466E-527	23	466SE-573	24	467E-579SR	25	467SE-666SR	25
4539-020BL	544	463-578	20	466E-528	23	466SE-574	24	467E-580SR	25	468-247	25
4539-020C	303, 387	463-580	20	466E-529	23	466SE-575	24	467E-582SR	25	468-248	25
457-005G	39	463-582	20	466E-530	23	466SE-576	24	467E-585SR	25	468-249	25
457-007G	39	463-624	20	466E-532	23	466SE-577	24	467E-624SR	25	468-250	25
457-010G	39	464-005	21	466E-573	23	466SE-578	24	467E-626SR	25	468-251	25
457-012G	39	464-007	21	466E-574	23	466SE-579	24	467E-664SR	25	468-291	25
457-015G	39	464-010	21	466E-575	23	466SE-580	24	467E-666SR	25	468-333	25
457-020G	39	464-071	21	466E-576	23	466SE-582	24	467S-247SR	24	468-334	25
458-005G	39	464-097	21	466E-577	23	466SE-585	24	467S-248SR	24	468-335	25
458-007G	39	464-101	21	466E-578	23	466SE-624	24	467S-249SR	24	468-336	25
458-010G	39	464-130	21	466E-579	23	466SE-626	24	467S-250SR	24	468-337	25
458-012G	39	464-131	21	466E-580	23	466SE-664	24	467S-251SR	24	468-338	25
458-015G	39	464-210	21	466E-582	23	466SE-666	24	467S-291SR	24	468-415	25
458-020G	39	464-288	20	466E-585	23	467-247SR	24	467S-333SR	24	468-416	25
458-025	20	464-337	20	466E-624	23	467-248SR	24	467S-334SR	24	468-417	26
458-030	20	464-419	20	466E-626	23	467-249SR	24	467S-335SR	24	468-418	26
458-040	20	464-486	20	466E-664	23	467-250SR	24	467S-336SR	24	468-419	26
458-060	20	464-527	20	466E-666	23	467-251SR	24	467S-337SR	24	468-420	26
459-002SR	20, 328	464-532	20	466S-247	23	467-291SR	24	467S-338SR	24	468-421	26
459-003SR	20, 328	464-577	20	466S-248	23	467-333SR	24	467S-415SR	24	468-422	26
459-005SR	20, 328	464-582	20	466S-249	23	467-334SR	24	467S-416SR	24	468-523	26
459-007SR	20, 328	464-624	20	466S-250	23	467-335SR	24	467S-417SR	24	468-524	26
459-010BR	20, 328	466-247	22	466S-251	23	467-336SR	24	467S-418SR	24	468-525	26
459-010SR	20, 328	466-248	22	466S-291	23	467-337SR	24	467S-419SR	24	468-526	26
459-012BR	20, 328	466-249	22	466S-333	23	467-338SR	24	467S-420SR	24	468-527	26
459-012SR	20, 328	466-250	22	466S-334	23	467-415SR	24	467S-421SR	24	468-528	26
459-015BR	20, 328	466-251	22	466S-335	23	467-416SR	24	467S-422SR	24	468-529	26
459-015SR	20, 328	466-291	22	466S-336	23	467-417SR	24	467S-523SR	24	468-530	26
459-020BR	20, 328	466-333	22	466S-337	23	467-418SR	24	467S-524SR	24	468-532	26
459-020SR	20, 328	466-334	22	466S-338	23	467-419SR	24	467S-525SR	24	468-573	26
459-030SR	20, 328	466-335	22	466S-415	23	467-420SR	24	467S-526SR	24	468-574	26
459-040SR	20, 328	466-336	22	466S-416	23	467-421SR	24	467S-527SR	24	468-575	26
459-060SR	20, 328	466-337	22	466S-417	23	467-422SR	24	467S-528SR	24	468-576	26
460-005	16, 158	466-338	22	466S-418	23	467-523SR	24	467S-529SR	24	468-577	26
460-005G	158	466-415	22	466S-419	23	467-524SR	24	467S-530SR	24	468-578	26
460-007	16, 158	466-416	22	466S-420	23	467-525SR	24	467S-532SR	24	468-579	26
460-007G	158	466-417	22	466S-421	23	467-526SR	24	467S-573SR	24	468-580	26
460-007N	17, 158	466-418	22	466S-422	23	467-527SR	24	467S-574SR	24	468-582	26
460-010	16, 158	466-419	22	466S-523	23	467-528SR	24	467S-575SR	24	468-585	26
460-010G	158	466-420	22	466S-524	23	467-529SR	24	467S-576SR	24	468-624	26
460-012	16, 158	466-421	22	466S-525	23	467-530SR	24	467S-577SR	24	468-626	26
460-012G	158	466-422	22	466S-526	23	467-532SR	24	467S-578SR	25	468-664	26
460-012N	17, 158	466-523	22	466S-527	23	467-573SR	24	467S-579SR	25	468-666	26
460-015	17, 158	466-524	22	466S-528	23	467-574SR	24	467S-580SR	25	468E-247	26
460-015G	158	466-525	22	466S-529	23	467-575SR	24	467S-582SR	25	468E-248	26
460-020	17, 158	466-526	22	466S-530	23	467-576SR	24	467S-585SR	25	468E-249	26
460-020G	158	466-527	22	466S-532	23	467-577SR	24	467S-624SR	25	468E-250	26
460-030	17, 158	466-528	22	466S-573	23	467-578SR	24	467S-626SR	25	468E-251	26
460-040	17, 158	466-529	23	466S-574	23	467-579SR	24	467S-664SR	25	468E-291	26
460-131N	17, 158	466-530	23	466S-575	23	467-580SR	24	467S-666SR	25	468E-333	26
460-132N	17, 158	466-532	23	466S-576	23	467-582SR	24	467SE-247SR	25, 607	468E-334	26
460A-015	158	466-573	23	466S-577	23	467-585SR	24	467SE-248SR	25, 607	468E-335	26
461-005	16	466-574	23	466S-578	23	467-624SR	24	467SE-249SR	25	468E-336	26
461-007	16	466-575	23	466S-579	23	467-626SR	24	467SE-250SR	25	468E-337	26
461-010	16	466-576	23	466S-580	23	467-664SR	24	467SE-251SR	25	468E-338	26
461-012	16	466-577	23	466S-582	23	467-666SR	24	467SE-291SR	25	468E-415	26
461-015	16	466-578	23	466S-585	23	467E-247SR	25	467SE-333SR	25, 607	468E-416	26
461-020	16	466-579	23	466S-620	23	467E-248SR	25	467SE-334SR	25, 607	468E-417	26
461-131	16	466-580	23	466S-624	23	467E-249SR	25	467SE-335SR	25	468E-418	26
463-005	21	466-582	23	466S-626	23	467E-250SR	25	467SE-336SR	25	468E-419	26
463-007	21	466-585	23	466S-664	23	467E-251SR	25	467SE-337SR	25	468E-420	26
463-010	21	466-620	23	466S-666	23	467E-291SR	25	467SE-338SR	25	468E-421	26
463-012	21	466-624	23	466SE-247	23	467E-333SR	25	467SE-415SR	25, 607	468E-422	26
463-015	21	466-626	23	466SE-248	23	467E-334SR	25	467SE-416SR	25, 607	468E-523	26
463-020	21	466-660	23	466SE-249	23	467E-335SR	25	467SE-417SR	25	468E-524	26
463-101	21	466-664	23	466SE-250	23	467E-336SR	25	467SE-418SR	25	468E-525	26
463-130	21	466-666	23	466SE-251	24	467E-337SR	25	467SE-419SR	25	468E-526	26

Spears Part Number Index



468E-527	26	468SE-574	27	469E-582SR	28	4721L1-005SR	214, 358	4722L2-007C	293, 359	4723L3-010C	293, 359
468E-528	26	468SE-575	27	469E-585SR	28	4721L1-007CSR	293, 359	4722L2-010	214, 358	4723L3-012	214, 358
468E-529	26	468SE-576	27	469E-624SR	28	4721L1-007SR	214, 358	4722L2-010C	293, 359	4723L3-012C	293, 360
468E-530	26	468SE-577	27	469E-626SR	28	4721L1-010CSR	293, 359	4722L2-012	214, 358	4723L3-015	214, 359
468E-532	26	468SE-578	27	469E-666SR	28	4721L1-010SR	214, 358	4722L2-012C	293, 360	4723L3-015C	293, 360
468E-573	26	468SE-579	27	469S-247SR	27	4721L1-012CSR	293, 360	4722L2-015	214, 359	4723L3-020	214, 359
468E-574	26	468SE-580	27	469S-248SR	27	4721L1-012SR	214, 358	4722L2-015C	293, 360	4723L3-020C	293, 360
468E-575	26	468SE-582	27	469S-249SR	27	4721L1-015CSR	293, 360	4722L2-020	214, 359	4723L3-025	214, 359
468E-576	26	468SE-585	27	469S-250SR	27	4721L1-015SR	214, 359	4722L2-020C	293, 360	4723L3-025C	293, 360
468E-577	26	468SE-624	27	469S-251SR	27	4721L1-020CSR	293, 360	4722L2-025	214, 359	4723L3-030	214, 359
468E-578	26	468SE-626	27	469S-291SR	27	4721L1-020SR	214, 359	4722L2-025C	293, 360	4723L3-030C	293, 360
468E-579	26	468SE-664	27	469S-333SR	27	4721L1-025CSR	293, 360	4722L2-030	214, 359	4723L3-040	214, 359
468E-580	26	468SE-666	27	469S-334SR	27	4721L1-025SR	214, 359	4722L2-030C	293, 360	4723L3-040C	293, 360
468E-582	26	469-247SR	27	469S-335SR	27	4721L1-030CSR	293, 360	4722L2-040	214, 359	4723T1-005	214, 358
468E-585	26	469-248SR	27	469S-336SR	27	4721L1-030SR	214, 359	4722L2-040C	293, 360	4723T1-005C	293, 359
468E-624	26	469-249SR	27	469S-337SR	27	4721L1-040CSR	293, 360	4722L3-005	214, 358	4723T1-007	214, 358
468E-626	26	469-250SR	27	469S-338SR	27	4721L1-040SR	214, 359	4722L3-005C	293, 359	4723T1-007C	293, 359
468E-664	26	469-251SR	27	469S-415SR	27	4721L2-005CSR	293, 359	4722L3-007	214, 358	4723T1-010	214, 358
468E-666	26	469-291SR	27	469S-416SR	27	4721L2-005SR	214, 358	4722L3-007C	293, 359	4723T1-010C	293, 359
468S-247	26	469-333SR	27	469S-417SR	27	4721L2-007CSR	293, 359	4722L3-010	214, 358	4723T1-012	214, 358
468S-248	26	469-334SR	27	469S-418SR	27	4721L2-007SR	214, 358	4722L3-010C	293, 359	4723T1-012C	293, 360
468S-249	26	469-335SR	27	469S-419SR	27	4721L2-010CSR	293, 359	4722L3-012	214, 358	4723T1-015	214, 359
468S-250	26	469-336SR	27	469S-420SR	27	4721L2-010SR	214, 358	4722L3-012C	293, 360	4723T1-015C	293, 360
468S-251	26	469-337SR	27	469S-421SR	27	4721L2-012CSR	293, 360	4722L3-015	214, 359	4723T1-020	214, 359
468S-291	26	469-338SR	27	469S-422SR	27	4721L2-012SR	214, 358	4722L3-015C	293, 360	4723T1-020C	293, 360
468S-333	26	469-415SR	27	469S-523SR	27	4721L2-015CSR	293, 360	4722L3-020	214, 359	4723T1-025	214, 359
468S-334	26	469-416SR	27	469S-524SR	27	4721L2-015SR	214, 359	4722L3-020C	293, 360	4723T1-025C	293, 360
468S-335	26	469-417SR	27	469S-525SR	27	4721L2-020CSR	293, 360	4722L3-025	214, 359	4723T1-030	214, 359
468S-336	26	469-418SR	27	469S-526SR	27	4721L2-020SR	214, 359	4722L3-025C	293, 360	4723T1-030C	293, 360
468S-337	26	469-419SR	27	469S-527SR	27	4721L2-025CSR	293, 360	4722L3-030	214, 359	4723T1-040	214, 359
468S-338	26	469-420SR	27	469S-528SR	27	4721L2-025SR	214, 359	4722L3-030C	293, 360	4723T1-040C	293, 360
468S-415	26	469-421SR	27	469S-529SR	27	4721L2-030CSR	293, 360	4722L3-040	214, 359	4724L1-005	676
468S-416	26	469-422SR	27	469S-530SR	27	4721L2-030SR	214, 359	4722L3-040C	293, 360	4724L1-005C	678
468S-417	26	469-523SR	27	469S-532SR	27	4721L2-040CSR	293, 360	4722T1-005	214, 358	4724L1-007	676
468S-418	26	469-524SR	27	469S-533SR	27	4721L2-040SR	214, 359	4722T1-005C	293, 359	4724L1-007C	678
468S-419	26	469-525SR	27	469S-574SR	27	4721L3-005CSR	293, 359	4722T1-007	214, 358	4724L1-010	676
468S-420	26	469-526SR	27	469S-575SR	27	4721L3-005SR	214, 358	4722T1-007C	293, 359	4724L1-010C	678, 678
468S-421	26	469-527SR	27	469S-576SR	27	4721L3-007CSR	293, 359	4722T1-010	214, 358	4724L1-012	676
468S-422	26	469-528SR	27	469S-577SR	27	4721L3-007SR	214, 358	4722T1-010C	293, 359	4724L1-012C	678
468S-523	26	469-529SR	27	469S-578SR	27	4721L3-010CSR	293, 359	4722T1-012	214, 358	4724L1-015	676
468S-524	26	469-530SR	27	469S-579SR	27	4721L3-010SR	214, 358	4722T1-012C	293, 360	4724L1-015C	678
468S-525	26	469-532SR	27	469S-580SR	27	4721L3-012CSR	293, 360	4722T1-015	214, 359	4724L1-020	676
468S-526	26	469-533SR	27	469S-582SR	27	4721L3-012SR	214, 358	4722T1-015C	293, 360	4724L1-020C	678
468S-527	26	469-574SR	27	469S-585SR	27	4721L3-015CSR	293, 360	4722T1-020	214, 359	4724L2-005	676
468S-528	26	469-575SR	27	469S-624SR	27	4721L3-015SR	214, 359	4722T1-020C	293, 360	4724L2-005C	678
468S-529	26	469-576SR	27	469S-626SR	27	4721L3-020CSR	293, 360	4722T1-025	214, 359	4724L2-007	676
468S-530	26	469-577SR	27	469S-664SR	27	4721L3-020SR	214, 359	4722T1-025C	293, 360	4724L2-007C	678
468S-532	26	469-578SR	27	469S-666SR	27	4721L3-025CSR	293, 360	4722T1-030	214, 359	4724L2-010	676
468S-573	26	469-579SR	27	469S-647SR	27	4721L3-025SR	214, 359	4722T1-030C	293, 360	4724L2-010C	678
468S-574	26	469-580SR	27	469S-248SR	27	4721L3-030CSR	293, 360	4722T1-040	214, 359	4724L2-012	676
468S-575	26	469-582SR	27	469S-249SR	27	4721L3-030SR	214, 359	4722T1-040C	293, 360	4724L2-012C	678
468S-576	26	469-585SR	27	469S-250SR	27	4721L3-040CSR	293, 360	4723L1-005	214, 358	4724L2-015	676
468S-577	26	469-624SR	27	469S-251SR	27	4721L3-040SR	214, 359	4723L1-005C	293, 359	4724L2-015C	678
468S-578	26	469-626SR	27	469S-291SR	27	4721T1-005CSR	293, 359	4723L1-007	214, 358	4724L2-020	676
468S-579	26	469-666SR	27	469S-333SR	27	4721T1-005SR	214, 358	4723L1-007C	293, 359	4724L2-020C	678
468S-580	26	469E-247SR	28	469S-334SR	27	4721T1-007CSR	293, 359	4723L1-010	214, 358	4724L3-005	677
468S-582	26	469E-248SR	28	469S-335SR	28	4721T1-007SR	214, 358	4723L1-010C	293, 359	4724L3-005C	679
468S-585	26	469E-249SR	28	469S-336SR	28	4721T1-010CSR	293, 359	4723L1-012	214, 358	4724L3-007	677
468S-624	26	469E-250SR	28	469S-337SR	28	4721T1-010SR	214, 358	4723L1-012C	293, 360	4724L3-007C	679
468S-626	26	469E-251SR	28	469S-338SR	28	4721T1-012CSR	293, 360	4723L1-015	214, 359	4724L3-010	677
468S-664	26	469E-291SR	28	469S-415SR	28	4721T1-012SR	214, 358	4723L1-015C	293, 360	4724L3-010C	679
468S-666	26	469E-333SR	28	469S-416SR	28	4721T1-015CSR	293, 360	4723L1-020	214, 359	4724L3-012	677
468SE-247	27	469E-334SR	28	469S-417SR	28	4721T1-015SR	214, 359	4723L1-020C	293, 360	4724L3-012C	679
468SE-248	27	469E-335SR	28	469S-418SR	28	4721T1-020CSR	293, 360	4723L1-025	214, 359	4724L3-015	677
468SE-249	27	469E-336SR	28	469S-419SR	28	4721T1-020SR	214, 359	4723L1-025C	293, 360	4724L3-015C	679
468SE-250	27	469E-337SR	28	469S-420SR	28	4721T1-025CSR	293, 360	4723L1-030	214, 359	4724L3-020	677
468SE-251	27	469E-338SR	28	469S-421SR	28	4721T1-025SR	214, 359	4723L1-030C	293, 360	4724L3-020C	679
468SE-291	27	469E-415SR	28	469S-422SR	28	4721T1-030CSR	293, 360	4723L1-040	214, 359	4724T1-005	677
468SE-333	27	469E-416SR	28	469S-523SR	28	4721T1-030SR	214, 359	4723L1-040C	293, 360	4724T1-005C	679
468SE-334	27	469E-417SR	28	469S-524SR	28	4721T1-040CSR	293, 360	4723L2-005	214, 358	4724T1-007	677
468SE-335	27	469E-418SR	28	469S-525SR	28	4721T1-040SR	214, 359	4723L2-005C	293, 359	4724T1-007C	679
468SE-336	27	469E-419SR	28	469S-526SR	28	4722L1-005	214, 358	4723L2-007	214, 358	4724T1-010	677
468SE-337	27	469E-420SR	28	469S-527SR	28	4722L1-005C	293, 359	4723L2-007C	293, 359	4724T1-010C	679
468SE-338	27	469E-421SR	28	469S-528SR	28	4722L1-007	214, 358	4723L2-010	214, 358	4724T1-012	677
468SE-415	27	469E-422SR	28	469S-529SR	28	4722L1-007C	293, 359	4723L2-010C	293, 359	4724T1-012C	679
468SE-416	27	469E-523SR	28	469S-530SR	28	4722L1-010	214, 358	4723L2-012	214, 358	4724T1-015	677
468SE-417	27	469E-524SR	28	469S-532SR	28	4722L1-010C	293, 359	4723L2-012C	293, 360	4724T1-015C	679
468SE-418	27	469E-525SR	28	469S-573SR	28	4722L1-012	214, 358	4723L2-015	214, 359	4724T1-020	677
468SE-419	27	469E-526SR	28	469S-574SR	28	4722L1-012C	293, 360	4723L2-015C	293, 360	4724T1-020C	679
468SE-420	27	469E-527SR	28	469S-575SR	28	4722L1-015	214, 359	4723L2-020	214, 359	4725L1-005	676
468SE-421	27	469E-528SR	28	469S-576SR	28	4722L1-015C	293, 360	4723L2-020C	293, 360	4725L1-005C	678
468SE-422	27	469E-529SR	28	469S-577SR	28	4722L1-020	214, 359	4723L2-025	214, 359	4725L1-007	676
468SE-523	27	469E-530SR	2								



Spears Part Number Index

4725L2-007	676	4727T1-010	214, 358	4731L2-007SR	214, 358	4732L3-010C	293, 359	4733T1-012C	293, 360	4735L3-015C	679
4725L2-007C	679	4727T1-010C	293, 359	4731L2-010CSR	293, 359	4732L3-012	214, 358	4733T1-015	214, 359	4735L3-020	677
4725L2-010	676	4727T1-012	214, 358	4731L2-010SR	214, 358	4732L3-012C	293, 360	4733T1-015C	293, 360	4735L3-020C	679
4725L2-010C	679	4727T1-012C	293, 360	4731L2-012CSR	293, 360	4732L3-015	214, 359	4733T1-020	214, 359	4735T1-005	678
4725L2-012	676	4727T1-015	214, 359	4731L2-012SR	214, 358	4732L3-015C	293, 360	4733T1-020C	293, 360	4735T1-005C	680
4725L2-012C	679	4727T1-015C	293, 360	4731L2-015CSR	293, 360	4732L3-020	214, 359	4733T1-025	214, 359	4735T1-007	678
4725L2-015	677	4727T1-020	214, 359	4731L2-015SR	214, 359	4732L3-020C	293, 360	4733T1-025C	293, 360	4735T1-007C	680
4725L2-015C	679	4727T1-020C	293, 360	4731L2-020CSR	293, 360	4732L3-025	214, 359	4733T1-030	214, 359	4735T1-010	678
4725L2-020	677	4727T1-025	214, 359	4731L2-020SR	214, 359	4732L3-025C	293, 360	4733T1-030C	293, 360	4735T1-010C	680
4725L2-020C	679	4727T1-025C	293, 360	4731L2-025CSR	293, 360	4732L3-030	214, 359	4733T1-040	214, 359	4735T1-012	678
4725L3-005	677	4727T1-030	214, 359	4731L2-025SR	214, 359	4732L3-030C	293, 360	4733T1-040C	293, 360	4735T1-012C	680
4725L3-005C	679	4727T1-030C	293, 360	4731L2-030CSR	293, 360	4732L3-040	214, 359	4734L1-005	676	4735T1-015	678
4725L3-007	677	4727T1-040	214, 359	4731L2-030SR	214, 359	4732L3-040C	293, 360	4734L1-005C	678	4735T1-015C	680
4725L3-007C	679	4727T1-040C	293, 360	4731L2-040CSR	293, 360	4732T1-005	214, 358	4734L1-007	676	4735T1-020	678
4725L3-010	677	4728L1-005	676	4731L2-040SR	214, 359	4732T1-005C	293, 359	4734L1-007C	678	4735T1-020C	680
4725L3-010C	679	4728L1-005C	678	4731L3-005CSR	293, 359	4732T1-007	214, 358	4734L1-010	676	4737L1-005	214, 358
4725L3-012	677	4728L1-007	676	4731L3-005SR	214, 358	4732T1-007C	293, 359	4734L1-010C	678	4737L1-005C	293, 359
4725L3-012C	679	4728L1-007C	678	4731L3-007CSR	293, 359	4732T1-010	214, 358	4734L1-012	676	4737L1-007	214, 358
4725L3-015	677	4728L1-010	676	4731L3-007SR	214, 358	4732T1-010C	293, 359	4734L1-012C	678	4737L1-007C	293, 359
4725L3-015C	679	4728L1-010C	678	4731L3-010CSR	293, 359	4732T1-012	214, 358	4734L1-015	676	4737L1-010	214, 358
4725L3-020	677	4728L1-012	676	4731L3-010SR	214, 358	4732T1-012C	293, 360	4734L1-015C	678	4737L1-010C	293, 359
4725L3-020C	679	4728L1-012C	678	4731L3-012CSR	293, 360	4732T1-015	214, 359	4734L1-020	676	4737L1-012	214, 358
4725T1-005	678	4728L1-015	676	4731L3-012SR	214, 358	4732T1-015C	293, 360	4734L1-020C	678	4737L1-012C	293, 360
4725T1-005C	680	4728L1-015C	678	4731L3-015CSR	293, 360	4732T1-020	214, 359	4734L2-005	676	4737L1-015	214, 359
4725T1-007	678	4728L1-020	676	4731L3-015SR	214, 359	4732T1-020C	293, 360	4734L2-005C	678	4737L1-015C	293, 360
4725T1-007C	680	4728L1-020C	678	4731L3-020CSR	293, 360	4732T1-025	214, 359	4734L2-007	676	4737L1-020	214, 359
4725T1-010	678	4728L2-005	677	4731L3-020SR	214, 359	4732T1-025C	293, 360	4734L2-007C	678	4737L1-020C	293, 360
4725T1-010C	680	4728L2-005C	679	4731L3-025CSR	293, 360	4732T1-030	214, 359	4734L2-010	676	4737L1-025	214, 359
4725T1-012	678	4728L2-007	677	4731L3-025SR	214, 359	4732T1-030C	293, 360	4734L2-010C	678	4737L1-025C	293, 360
4725T1-012C	680	4728L2-007C	679	4731L3-030CSR	293, 360	4732T1-040	214, 359	4734L2-012	676	4737L1-030	214, 359
4725T1-015	678	4728L2-010	677	4731L3-030SR	214, 359	4732T1-040C	293, 360	4734L2-012C	678	4737L1-030C	293, 360
4725T1-015C	680	4728L2-010C	679	4731L3-040CSR	293, 360	4733L1-005	214, 358	4734L2-015	676	4737L1-040	214, 359
4725T1-020	678	4728L2-012	677	4731L3-040SR	214, 359	4733L1-005C	293, 359	4734L2-015C	678	4737L1-040C	293, 360
4725T1-020C	680	4728L2-012C	679	4731T1-005CSR	293, 359	4733L1-007	214, 358	4734L2-020	676	4737L2-005	214, 358
4727L1-005	214, 358	4728L2-015	677	4731T1-005SR	214, 358	4733L1-007C	293, 359	4734L2-020C	678	4737L2-005C	293, 359
4727L1-005C	293, 359	4728L2-015C	679	4731T1-007CSR	293, 359	4733L1-010	214, 358	4734L3-005	677	4737L2-007	214, 358
4727L1-007	214, 358	4728L2-020	677	4731T1-007SR	214, 358	4733L1-010C	293, 359	4734L3-005C	679	4737L2-007C	293, 359
4727L1-007C	293, 359	4728L2-020C	679	4731T1-010CSR	293, 359	4733L1-012	214, 358	4734L3-007	677	4737L2-010	214, 358
4727L1-010	214, 358	4728L3-005	677	4731T1-010SR	214, 358	4733L1-012C	293, 360	4734L3-007C	679	4737L2-010C	293, 359
4727L1-010C	293, 359	4728L3-005C	679	4731T1-012CSR	293, 360	4733L1-015	214, 359	4734L3-010	677	4737L2-012	214, 358
4727L1-012	214, 358	4728L3-007	677	4731T1-012SR	214, 358	4733L1-015C	293, 360	4734L3-010C	679	4737L2-012C	293, 360
4727L1-012C	293, 360	4728L3-007C	679	4731T1-015CSR	293, 360	4733L1-020	214, 359	4734L3-012	677	4737L2-015	214, 359
4727L1-015	214, 359	4728L3-010	677	4731T1-015SR	214, 359	4733L1-020C	293, 360	4734L3-012C	679	4737L2-015C	293, 360
4727L1-015C	293, 360	4728L3-010C	679	4731T1-020CSR	293, 360	4733L1-025	214, 359	4734L3-015	677	4737L2-020	214, 359
4727L1-020	214, 359	4728L3-012	677	4731T1-020SR	214, 359	4733L1-025C	293, 360	4734L3-015C	679	4737L2-020C	293, 360
4727L1-020C	293, 360	4728L3-012C	679	4731T1-025CSR	293, 360	4733L1-030	214, 359	4734L3-020	677	4737L2-025	214, 359
4727L1-025	214, 359	4728L3-015	677	4731T1-025SR	214, 359	4733L1-030C	293, 360	4734L3-020C	679	4737L2-025C	293, 360
4727L1-025C	293, 360	4728L3-015C	679	4731T1-030CSR	293, 360	4733L1-040	214, 359	4734T1-005	677	4737L2-030	214, 359
4727L1-030	214, 359	4728L3-020	677	4731T1-030SR	214, 359	4733L1-040C	293, 360	4734T1-005C	679	4737L2-030C	293, 360
4727L1-030C	293, 360	4728L3-020C	679	4731T1-040CSR	293, 360	4733L2-005	214, 358	4734T1-007	677	4737L2-040	214, 359
4727L1-040	214, 359	4728T1-005	678	4731T1-040SR	214, 359	4733L2-005C	293, 359	4734T1-007C	679	4737L2-040C	293, 360
4727L1-040C	293, 360	4728T1-005C	680	4732L1-005	214, 358	4733L2-007	214, 358	4734T1-010	677	4737L3-005	214, 358
4727L2-005	214, 358	4728T1-007	678	4732L1-005C	293, 359	4733L2-007C	293, 359	4734T1-010C	679	4737L3-005C	293, 359
4727L2-005C	293, 359	4728T1-007C	680	4732L1-007	214, 358	4733L2-010	214, 358	4734T1-012	677	4737L3-007	214, 358
4727L2-007	214, 358	4728T1-010	678	4732L1-007C	293, 359	4733L2-010C	293, 359	4734T1-012C	679	4737L3-007C	293, 359
4727L2-007C	293, 359	4728T1-010C	680	4732L1-010	214, 358	4733L2-012	214, 358	4734T1-015	677	4737L3-010	214, 358
4727L2-010	214, 358	4728T1-012	678	4732L1-010C	293, 359	4733L2-012C	293, 360	4734T1-015C	679	4737L3-010C	293, 359
4727L2-010C	293, 359	4728T1-012C	680	4732L1-012	214, 358	4733L2-015	214, 359	4734T1-020	677	4737L3-012	214, 358
4727L2-012	214, 358	4728T1-015	678	4732L1-012C	293, 360	4733L2-015C	293, 360	4734T1-020C	679	4737L3-012C	293, 360
4727L2-012C	293, 360	4728T1-015C	680	4732L1-015	214, 359	4733L2-020	214, 359	4735L1-005	676	4737L3-015	214, 359
4727L2-015	214, 359	4728T1-020	678	4732L1-015C	293, 360	4733L2-020C	293, 360	4735L1-005C	678	4737L3-015C	293, 360
4727L2-015C	293, 360	4728T1-020C	680	4732L1-020	214, 359	4733L2-025	214, 359	4735L1-007	676	4737L3-020	214, 359
4727L2-020	214, 359	473-1	32	4732L1-020C	293, 360	4733L2-025C	293, 360	4735L1-007C	678	4737L3-020C	293, 360
4727L2-020C	293, 360	473-2	32	4732L1-025	214, 359	4733L2-030	214, 359	4735L1-010	676	4737L3-025	214, 359
4727L2-025	214, 359	473-210	31	4732L1-025C	293, 360	4733L2-030C	293, 360	4735L1-010C	678	4737L3-025C	293, 360
4727L2-025C	293, 360	473-210-1/4	31	4732L1-030	214, 359	4733L2-040	214, 359	4735L1-012	676	4737L3-030	214, 359
4727L2-030	214, 359	473-210-3/8	31	4732L1-030C	293, 360	4733L2-040C	293, 360	4735L1-012C	678	4737L3-030C	293, 360
4727L2-030C	293, 360	473-3	32	4732L1-040	214, 359	4733L3-005	214, 358	4735L1-015	676	4737L3-040	214, 359
4727L2-040	214, 359	473-825	32	4732L1-040C	293, 360	4733L3-005C	293, 359	4735L1-015C	678	4737L3-040C	293, 360
4727L2-040C	293, 360	473-825-1/4	32	4732L2-005	214, 358	4733L3-007	214, 358	4735L1-020	676	4737T1-005	214, 358
4727L3-005	214, 358	473-825-3/8	32	4732L2-005C	293, 359	4733L3-007C	293, 359	4735L1-020C	678	4737T1-005C	293, 359
4727L3-005C	293, 359	4731L1-005CSR	293, 359	4732L2-007	214, 358	4733L3-010	214, 358	4735L2-005	677	4737T1-007	214, 358
4727L3-007	214, 358	4731L1-005SR	214, 358	4732L2-007C	293, 359	4733L3-010C	293, 359	4735L2-005C	679	4737T1-007C	293, 359
4727L3-007C	293, 359	4731L1-007CSR	293, 359	4732L2-010	214, 358	4733L3-012	214, 358	4735L2-007	677	4737T1-010	214, 358
4727L3-010	214, 358	4731L1-007SR	214, 358	4732L2-010C	293, 359	4733L3-012C	293, 360	4735L2-007C	679	4737T1-010C	293, 359
4727L3-											

Spears Part Number Index



4738L1-010C	678	475-200F	11	475-920F	12	4808-020BSR	345	497-020G	39	5022T1-010C	292, 358
4738L1-012	676	475-209	11	476-010	7, 59	4808-020SR	345	498-005	20	5022T1-012	213, 357
4738L1-012C	678	475-210	11		104	4819-005BSR	345	498-005G	39	5022T1-012C	292, 358
4738L1-015	676	475-211	11	476-020F	12	4819-005SR	345	498-007	39	5022T1-015	213, 357
4738L1-015C	678	475-2113T	31	476-030F	12	4819-007BSR	345	498-007G	39	5022T1-015C	292, 358
4738L1-020	676	475-212	11	476-040F	12	4819-007SR	345	498-010	20	5022T1-020	213, 357
4738L1-020C	678	475-240F	11	476-060F	12	4819-010BSR	345	498-010G	39	5022T1-020C	292, 358
4738L2-005	677	475-247	11	476-080F	12	4819-010SR	345	498-012	20	5022T1-025	213, 357
4738L2-005C	679	475-248	11	476-100F	12	4819-015BSR	345	498-012G	39	5022T1-025C	292, 358
4738L2-007	677	475-249	11	476-120F	12	4819-015SR	345	498-015	20	5022T1-030	213, 357
4738L2-007C	679	475-250	11	476-338	12	4819-020BSR	346	498-015G	39	5022T1-030C	292, 358
4738L2-010	677	475-251	11	476-420F	12	4819-020SR	345	498-020	20	5022T1-040	213, 357
4738L2-010C	679	475-292	11	476-421F	12	4830-005BSR	346	498-020G	39	5022T1-040C	292, 358
4738L2-012	677	475-334	11	476-422F	12	4830-005SR	345	498-025	20	5023L1-005	213, 357
4738L2-012C	679	475-335	11	476-528F	12	4830-007BSR	346	498-030	20	5023L1-005C	292, 358
4738L2-015	677	475-336	11	476-529F	12	4830-007SR	345	498-040	20	5023L1-007	213, 357
4738L2-015C	679	475-337	11	476-530F	12	4830-010BSR	346	498-060	20	5023L1-007C	292, 358
4738L2-020	677	475-338	11	476-532F	12	4830-010SR	345	499-002SR	20, 328	5023L1-010	213, 357
4738L2-020C	679	475-339	11	476-578F	12	4830-015BSR	346	499-003SR	20, 328	5023L1-010C	292, 358
4738L3-005	677	475-420	11	476-579F	12	4830-015SR	345	499-005SR	20, 328	5023L1-012	213, 357
4738L3-005C	679	475-421	11	476-580F	12	4830-020BSR	346	499-007SR	20, 328	5023L1-012C	292, 358
4738L3-007	677	475-422	11	476-582F	12	4830-020SR	345	499-010BR	20, 328	5023L1-015	213, 357
4738L3-007C	679	475-488F	11	476-585F	12	4839-101	345	499-010SR	20, 328	5023L1-015C	292, 358
4738L3-010	677	475-490F	11	476-621F	12	4839-101B	346	499-012BR	20, 328	5023L1-020	213, 357
4738L3-010C	679	475-528	11	476-622F	12	4839-130	345	499-012SR	20, 328	5023L1-020C	292, 358
4738L3-012	677	475-529	11	476-623F	12	4839-130B	346	499-015BR	20, 328	5023L1-025	213, 357
4738L3-012C	679	475-530	11	476-624F	12	4839-131	345	499-015SR	20, 328	5023L1-025C	292, 358
4738L3-015	677	475-532	11	476-626F	12	4839-131B	346	499-020BR	20, 328	5023L1-030	213, 357
4738L3-015C	679	475-532L	43	476-628F	12	4839-211	345	499-020SR	20, 328	5023L1-030C	292, 358
4738L3-020	677	475-578F	11	476-661F	12	4839-211B	346	499-030SR	20, 328	5023L1-040	213, 357
4738L3-020C	679	475-579F	11	476-662F	12	4839-249	345	499-040SR	20, 328	5023L1-040C	292, 358
4738T1-005	678	475-580F	11	476-663F	12	4839-249B	346	499-060SR	20, 328	5023T1-005	213, 357
4738T1-005C	680	475-582F	11	476-664F	12	4839-251	345	5020	557, 701	5023T1-005C	292, 358
4738T1-007	678	475-585F	11	476-666F	12	4839-251B	346	5021L1-005CSR	292, 358	5023T1-007	213, 357
4738T1-007C	680	475-621F	11	476-668F	12	4848-005BSR	346	5021L1-005SR	213, 357	5023T1-007C	292, 358
4738T1-010	678	475-622F	11	476-670F	12	4848-005SR	345	5021L1-007CSR	292, 358	5023T1-010	213, 357
4738T1-010C	680	475-623F	11	477-010	7, 59	4848-007BSR	346	5021L1-007SR	213, 357	5023T1-010C	292, 358
4738T1-012	678	475-624F	11		105	4848-007SR	345	5021L1-010CSR	292, 358	5023T1-012	213, 357
4738T1-012C	680	475-626	11	478-005	15	4848-010BSR	346	5021L1-010SR	213, 357	5023T1-012C	292, 358
4738T1-015	678	475-626F	11	478-005G	38	4848-010SR	345	5021L1-012CSR	292, 358	5023T1-015	213, 357
4738T1-015C	680	475-628	11	478-005SR	15, 327	4848-015BSR	346	5021L1-012SR	213, 357	5023T1-015C	292, 358
4738T1-020	678	475-628F	11	478-007	15	4848-015SR	345	5021L1-015CSR	292, 358	5023T1-020	213, 357
4738T1-020C	680	475-661F	11	478-007G	38	4848-020BSR	346	5021L1-015SR	213, 357	5023T1-020C	292, 358
474-005	16, 158	475-663F	11	478-007SR	15, 327	4848-020SR	345	5021L1-020CSR	292, 358	5023T1-025	213, 357
474-005G	158	475-664F	11	478-010	15	4852-005BSR	346	5021L1-020SR	213, 357	5023T1-025C	292, 358
474-007	16, 158	475-666F	11	478-010G	38	4852-005SR	345	5021L1-025CSR	292, 358	5023T1-030	213, 357
474-007G	158	475-668F	11	478-010SR	15, 327	4852-007BSR	346	5021L1-025SR	213, 357	5023T1-030C	292, 358
474-010	16, 158	475-670F	11	478-012	15	4852-007SR	345	5021L1-030CSR	292, 358	5023T1-040	213, 357
474-010G	158	475-691F	11	478-012G	38	4852-010BSR	346	5021L1-030SR	213, 357	5024L1-000C	292, 358
474-012	16, 158	475-693F	11	478-012SR	15, 327	4852-010SR	345	5021L1-040CSR	292, 358	5024L1-005	673
474-012G	158	475-694F	11	478-015	15	4852-015BSR	346	5021L1-040SR	213, 357	5024L1-005C	674
474-015	16, 158	475-696F	11	478-015G	38	4852-015SR	345	5021T1-005CSR	292, 358	5024L1-007	673
474-015G	158	475-698F	11	478-015SR	15, 327	4852-020BSR	346	5021T1-005SR	213, 357	5024L1-007C	674
474-020	16, 158	475-700F	11	478-020	15	4852-020SR	345	5021T1-007CSR	292, 358	5024L1-010	673
474-020G	158	475-702F	11	478-020G	38	4853-005	345	5021T1-007SR	213, 357	5024L1-010C	674
474-030	16, 158	475-751F	11	478-020SR	15, 327	4853-005B	346	5021T1-010CSR	292, 358	5024L1-012	673
474-040	16, 158	475-753F	11	478-030	15	4853-007	345	5021T1-010SR	213, 357	5024L1-012C	674
474-060F	16	475-754F	11	478-030G	38	4853-007B	346	5021T1-012CSR	292, 358	5024L1-015	673
474-080F	16	475-756F	11	478-030SR	16, 327	4853-010	345	5021T1-012SR	213, 357	5024L1-015C	674
475-005	11	475-758F	11	478-040	15	4853-010B	346	5021T1-015CSR	292, 358	5024L1-020	673
475-007	11	475-760F	11	478-040G	38	4853-015	345	5021T1-015SR	213, 357	5024L1-020C	674
475-010	11	475-762F	11	478-040SR	16, 327	4853-015B	346	5021T1-020CSR	292, 358	5024T1-005	674
475-012	11	475-764F	11	478-072SR	16, 327	4853-020	345	5021T1-020SR	213, 357	5024T1-005C	675
475-015	11	475-781F	11	478-098SR	16, 327	4853-020B	346	5021T1-025CSR	292, 358	5024T1-007	674
475-015L	43	475-783F	11	478-128SR	16, 327	4858-005BSR	346	5021T1-025SR	213, 357	5024T1-007C	675
475-020	11	475-784F	11	479-005N	15	4858-005SR	345	5021T1-030CSR	292, 358	5024T1-010	674
475-020L	43	475-786F	11	479-007	15	4858-007BSR	346	5021T1-030SR	213, 357	5024T1-010C	675
475-020120	31	475-788F	11	479-010	15	4858-007SR	345	5021T1-040CSR	292, 358	5024T1-012	674
475-025	11	475-790F	11	479-015	15	4858-010BSR	346	5021T1-040SR	213, 357	5024T1-012C	675
475-030	11	475-792F	11	479-020	15	4858-010SR	345	5022L1-005	213, 357	5024T1-015	674
475-030L	43	475-794F	12	479-025	15	4858-015BSR	346	5022L1-005C	292, 358	5024T1-015C	675
475-040	11	475-796F	12	479-030	15	4858-015SR	345	5022L1-007	213, 357	5024T1-020	674
475-040L	43	475-811F	12	479-040	15	4858-020BSR	346	5022L1-007C	292, 358	5024T1-020C	675
475-050F	11	475-813F	12	479-050F	15	4858-020SR	345	5022L1-010	213, 357	5025L1-005	673
475-060	11	475-814F	12	4805-005BSR	345	4898-005BSR	346	5022L1-010C	292, 358	5025L1-005C	674
475-060L	43	475-816F	12	4805-005SR	345	4898-005SR	345	5022L1-012	213, 357	5025L1-007	673
475-080	11	475-818F	12	4805-007BSR	345	4898-007BSR	346	5022L1-012C	292, 358	5025L1-007C	674
475-100	11	475-820F	12	4805-007SR	345	4898-007SR	345	5022L1-015	213, 357	5025L1-010	673
475-100F	11	475-822F	12	4805-010BSR	345	4898-010BSR	346	5022L1-015C	292, 358	5025L1-010C	674
475-100G	37	475-824F	12	4805-010SR	345	4898-010SR	345	5022L1-020	213, 357	5025L1-012	673
475-101	11	475-826F	12	4805-015BSR	345	4898-015BSR	346	5022L1-020C	292, 358	5025L1-012C	674
475-120	11	475-828F	12	4805-015SR	345	4898-015SR	345	5022L1-025	213, 357	5025L1-015	673
475-120F	11	475-901F	12	4805-020BSR	345	4898-020BSR	346	5022L1-025C	292, 358	5025L1-015C	674
475-120G	37	475-903F	12	4805-020SR	345	4898-020SR	345	5022L1-030	213, 357	5025L1-020	673
475-130	11	475-904F	12	4808-005BSR	345	491-060	162	5022L1-030C	292, 358	5025L1-020C	674
475-131	11	475-906F	12	4808-005SR	345	492-060	162	5022L1-040	213, 357	5025T1-005	674
475-140F	11	475-908F	12	480							



Spears Part Number Index

5025T1-012C	675	5031T1-015SR	213, 357	5034L1-020C	674	5038T1-012C	675	51122A121-080	463	5122H101-120	464
5025T1-015	674	5031T1-020CSR	292, 358	5034T1-005	674	5038T1-015	674	51122A121-100	463	5122J101-015	464
5025T1-015C	675	5031T1-020SR	213, 357	5034T1-005C	675	5038T1-015C	675	51122A123-120	463	5122J101-020	464
5025T1-020	674	5031T1-025CSR	292, 358	5034T1-007	674	5038T1-020	674	51122H101-015	464	5122J101-025	464
5025T1-020C	675	5031T1-025SR	213, 357	5034T1-007C	675	5038T1-020C	675	51122H101-020	464	5122J101-030	464
5027L1-005	213, 357	5031T1-030CSR	292, 358	5034T1-010	674	5111A121-015	463	51122H101-025	464	5122J101-040	464
5027L1-005C	292, 358	5031T1-030SR	213, 357	5034T1-010C	675	5111A121-020	463	51122H101-030	464	5122J101-060	464
5027L1-007	213, 357	5031T1-040CSR	292, 358	5034T1-012	674	5111A121-025	463	51122H101-040	464	5122J101-080	464
5027L1-007C	292, 358	5031T1-040SR	213, 357	5034T1-012C	675	5111A121-030	463	51122H101-060	464	5122J101-100	464
5027L1-010	213, 357	5032L1-005	213, 357	5034T1-015	674	5111A121-040	463	51122H101-080	465	5122J101-120	464
5027L1-010C	292, 358	5032L1-005C	292, 358	5034T1-015C	675	5111A121-060	463	51122H101-100	465	5122A121-015	463
5027L1-012	213, 357	5032L1-007	213, 357	5034T1-020	674	5111A121-080	463	51122H101-120	465	5122A121-020	463
5027L1-012C	292, 358	5032L1-007C	292, 358	5034T1-020C	675	5111A121-100	463	51122J101-015	464	5122A121-025	463
5027L1-015	213, 357	5032L1-010	213, 357	5035L1-005	673	5111A123-120	463	51122J101-020	464	5122A121-030	463
5027L1-015C	292, 358	5032L1-010C	292, 358	5035L1-005C	674	5111H101-015	464	51122J101-025	464	5122A121-040	463
5027L1-020	213, 357	5032L1-012	213, 357	5035L1-007	673	5111H101-020	464	51122J101-030	464	5122A121-060	463
5027L1-020C	292, 358	5032L1-012C	292, 358	5035L1-007C	674	5111H101-025	464	51122J101-040	464	5122A121-080	463
5027L1-025	213, 357	5032L1-015	213, 357	5035L1-010	673	5111H101-030	464	51122J101-060	464	5122A121-100	463
5027L1-025C	292, 358	5032L1-015C	292, 358	5035L1-010C	674	5111H101-040	464	51122J101-080	465	5122A123-120	463
5027L1-030	213, 357	5032L1-020	213, 357	5035L1-012	673	5111H101-060	464	51122J101-100	465	5122H101-015	464
5027L1-030C	292, 358	5032L1-020C	292, 358	5035L1-012C	674	5111H101-080	464	51122J101-120	465	5122H101-020	464
5027L1-040	213, 357	5032L1-025	213, 357	5035L1-015	673	5111H101-100	464	5121A121-015	463	5122H101-025	464
5027L1-040C	292, 358	5032L1-025C	292, 358	5035L1-015C	674	5111H101-120	464	5121A121-020	463	5122H101-030	464
5027T1-005	213, 357	5032L1-030	213, 357	5035L1-020	673	5111J101-015	464	5121A121-025	464	5122H101-040	464
5027T1-005C	292, 358	5032L1-030C	292, 358	5035L1-020C	674	5111J101-020	464	5121A121-030	463	5122H101-060	464
5027T1-007	213, 357	5032L1-040	213, 357	5035T1-005	674	5111J101-025	464	5121A121-040	463	5122H101-080	465
5027T1-007C	292, 358	5032L1-040C	292, 358	5035T1-005C	675	5111J101-030	464	5121A121-060	463	5122H101-100	465
5027T1-010	213, 357	5032T1-005	213, 357	5035T1-007	674	5111J101-040	464	5121A121-080	463	5122H101-120	465
5027T1-010C	292, 358	5032T1-005C	292, 358	5035T1-007C	675	5111J101-060	464	5121A121-100	463	5122J101-015	464
5027T1-012	213, 357	5032T1-007	213, 357	5035T1-010	674	5111J101-080	464	5121A123-120	463	5122J101-020	464
5027T1-012C	292, 358	5032T1-007C	292, 358	5035T1-010C	675	5111J101-100	464	5121H101-015	464	5122J101-025	464
5027T1-015	213, 357	5032T1-010	213, 357	5035T1-012	674	5111J101-120	464	5121H101-020	464	5122J101-030	464
5027T1-015C	292, 358	5032T1-010C	292, 358	5035T1-012C	675	5112A121-015	463	5121H101-025	464	5122J101-040	464
5027T1-020	213, 357	5032T1-012	213, 357	5035T1-015	674	5112A121-020	463	5121H101-030	464	5122J101-060	464
5027T1-020C	292, 358	5032T1-012C	292, 358	5035T1-015C	675	5112A121-025	463	5121H101-040	464	5122J101-080	465
5027T1-025	213, 357	5032T1-015	213, 357	5035T1-020	674	5112A121-030	463	5121H101-060	464	5122J101-100	465
5027T1-025C	292, 358	5032T1-015C	292, 358	5035T1-020C	675	5112A121-040	463	5121H101-080	464	5122J101-120	465
5027T1-030	213, 357	5032T1-020	213, 357	5037L1-005	213, 357	5112A121-060	463	5121H101-100	464	5131A121-015	463
5027T1-030C	292, 358	5032T1-020C	292, 358	5037L1-005C	292, 358	5112A121-080	463	5121H101-120	464	5131A121-020	463
5027T1-040	213, 357	5032T1-025	213, 357	5037L1-007	213, 357	5112A121-100	463	5121J101-015	464	5131A121-025	463
5027T1-040C	292, 358	5032T1-025C	292, 358	5037L1-007C	292, 358	5112A123-120	463	5121J101-020	464	5131A121-030	463
5028L1-005	674	5032T1-030	213, 357	5037L1-010	213, 357	5112H101-015	465	5121J101-025	464	5131A121-040	463
5028L1-005C	675	5032T1-030C	292, 358	5037L1-010C	292, 358	5112H101-020	465	5121J101-030	464	5131A121-060	463
5028L1-007	674	5032T1-040	213, 357	5037L1-012	213, 357	5112H101-025	465	5121J101-040	464	5131A121-080	463
5028L1-007C	675	5032T1-040C	292, 358	5037L1-012C	292, 358	5112H101-030	465	5121J101-060	464	5131A121-100	463
5028L1-010	674	5033L1-005	213, 357	5037L1-015	213, 357	5112H101-040	465	5121J101-080	464	5131A123-120	463
5028L1-010C	675	5033L1-005C	292, 358	5037L1-015C	292, 358	5112H101-060	465	5121J101-100	464	5131H101-015	464
5028L1-012	674	5033L1-007	213, 357	5037L1-020	213, 357	5112H101-080	465	5121J101-120	464	5131H101-020	464
5028L1-012C	675	5033L1-007C	292, 358	5037L1-020C	292, 358	5112H101-100	465	5121A121-015	463	5131H101-025	464
5028L1-015	674	5033L1-010	213, 357	5037L1-025	213, 357	5112H101-120	465	5121A121-020	463	5131H101-030	464
5028L1-015C	675	5033L1-010C	292, 358	5037L1-025C	292, 358	5112J101-015	465	5121A121-025	463	5131H101-040	464
5028L1-020	674	5033L1-012	213, 357	5037L1-030	213, 357	5112J101-020	465	5121A121-030	463	5131H101-060	464
5028L1-020C	675	5033L1-012C	292, 358	5037L1-030C	292, 358	5112J101-025	465	5121A121-040	463	5131H101-080	464
5028T1-005	674	5033L1-015	213, 357	5037L1-040	213, 357	5112J101-030	465	5121A121-060	463	5131H101-100	464
5028T1-005C	675	5033L1-015C	292, 358	5037L1-040C	292, 358	5112J101-040	465	5121A121-080	463	5131H101-120	464
5028T1-007	674	5033L1-020	213, 357	5037T1-005	213, 357	5112J101-060	465	5121A121-100	463	5131J101-015	464
5028T1-007C	675	5033L1-020C	292, 358	5037T1-005C	292, 358	5112J101-080	465	5121A123-120	463	5131J101-020	464
5028T1-010	674	5033L1-025	213, 357	5037T1-007	213, 357	5112J101-100	465	5121H101-015	465	5131J101-025	464
5028T1-010C	675	5033L1-025C	292, 358	5037T1-007C	292, 358	5112J101-120	465	5121H101-020	465	5131J101-030	464
5028T1-012	674	5033L1-030	213, 357	5037T1-010	213, 357	5112A121-015	463	5121H101-025	465	5131J101-040	464
5028T1-012C	675	5033L1-030C	292, 358	5037T1-010C	292, 358	5112A121-020	463	5121H101-030	465	5131J101-060	464
5028T1-015	674	5033L1-040	213, 357	5037T1-012	213, 357	5112A121-025	463	5121H101-040	465	5131J101-080	464
5028T1-015C	675	5033L1-040C	292, 358	5037T1-012C	292, 358	5112A121-030	463	5121H101-060	465	5131J101-100	464
5028T1-020	674	5033T1-005	213, 357	5037T1-015	213, 357	5112A121-040	463	5121H101-080	465	5131J101-120	464
5028T1-020C	675	5033T1-005C	292, 358	5037T1-015C	292, 358	5112A121-060	463	5121H101-100	465	5131A121-015	463
5031L1-005CSR	292, 358	5033T1-007	213, 357	5037T1-020	213, 357	5112A121-080	463	5121H101-120	465	5131A121-020	463
5031L1-005SR	213, 357	5033T1-007C	292, 358	5037T1-020C	292, 358	5112A121-100	463	5121J101-015	464	5131A121-025	463
5031L1-007CSR	292, 358	5033T1-010	213, 357	5037T1-025	213, 357	5112A123-120	463	5121J101-020	465	5131A121-030	463
5031L1-007SR	213, 357	5033T1-010C	292, 358	5037T1-025C	292, 358	5112H101-015	464	5121J101-025	464	5131A121-040	463
5031L1-010CSR	292, 358	5033T1-012	213, 357	5037T1-030	213, 357	5112H101-020	464	5121J101-030	465	5131A121-060	463
5031L1-010SR	213, 357	5033T1-012C	292, 358	5037T1-030C	292, 358	5112H101-025	464	5121J101-040	465	5131A121-080	463
5031L1-012CSR	292, 358	5033T1-015	213, 357	5037T1-040	213, 357	5112H101-030	464	5121J101-060	465	5131A121-100	463
5031L1-012SR	213, 357	5033T1-015C	292, 358	5037T1-040C	292, 358	5112H101-040	464	5121J101-080	465	5131A123-120	463
5031L1-015CSR	292, 358	5033T1-020	213, 357	5038L1-005	674	5112H101-060	464	5121J101-100	465	5131H101-015	464
5031L1-015SR	213, 357	5033T1-020C	292, 358	5038L1-005C	675	5112H101-080	464	5121J101-120	465	5131H101-020	465
5031L1-020CSR	292, 358	5033T1-025	213, 357	5038L1-007	674	5112H101-100	464	5121A121-015	463	5131H101-025	465
5031L1-020SR	213, 357	5033T1-025C	292, 358	5038L1-007C	675	5112H101-120					

Spears Part Number Index



51321A121-020	463	5213-020C	310, 411	5233-080C	411	5427-100	228, 393	5437-030	228, 393	5691-003C	315, 431
51321A121-025	463	5220-010	411	542G-020	229, 394	5427-100C	306, 394	5437-030C	306, 394		567
51321A121-030	463	5220-010C	412	542G-020C	306, 394	5427-120	228, 393	5437-040	228, 393	5691-003P	348, 431
51321A121-040	463	5220-020	411	542G-025	229, 394	5427-120C	306, 394	5437-040C	306, 394		568
51321A121-060	463	5220-020C	412	542G-025C	306, 394	5427-140	228, 393	5437-060	228, 393	5691-005	238, 431
51321A121-080	463	5220-060	411	542G-030	229, 394	5427-140C	306, 394	5437-060C	306, 394		567
51321A121-100	463	5220-060C	412	542G-030C	306, 394	5427-160	228, 393	5437-080	228, 393	5691-005BLSR	545
51321H101-015	464	5221-005CSR	310, 410	542G-040	229, 394	5427-160C	306, 394	5437-080C	306, 394	5691-005C	315, 431
51321H101-020	464	5221-005SR	233, 410	542G-040C	306, 394	5427-180	229, 393	5437-100	228, 393		567
51321H101-025	464	5221-007CSR	310, 410	542G-060	229, 394	5427-180C	306, 394	5437-100C	306, 394	5691-005CSR	315, 431
51321H101-030	464	5221-007SR	233, 410	542G-060C	306, 394	5427-200	229, 393	5437-120	228, 393		567
51321H101-040	464	5221-010CSR	310, 411	542G-080	229, 394	5427-200C	306, 394	5437-120C	306, 394	5691-005PSR	348, 431
51321H101-060	464	5221-010SR	233, 410	542G-080C	306, 394	5427-240	229, 393	5437-140	228, 393		568
51321H101-080	464	5221-012CSR	310, 411	542G-100	229, 394	5427-240C	306, 394	5437-140C	306, 394	5691-005SR	238, 431
51321H101-100	464	5221-012SR	233, 410	542G-100C	306, 394	543G-020	229, 394	5437-160	228, 393		567
51321H101-120	464	5221-015CSR	310, 411	542G-120	229, 394	543G-020C	306, 394	5437-160C	306, 394	5692-002	238, 431
51321J101-015	464	5221-015SR	233, 410	542G-120C	306, 394	543G-025	229, 394	5437-180	229, 393		567
51321J101-020	464	5221-020CSR	310, 411	5420-020	228, 393	543G-025C	306, 394	5437-180C	306, 394	5692-002BL	545
51321J101-025	464	5221-020SR	233, 410	5420-020C	306, 394	543G-030	229, 394	5437-200	229, 393	5692-002C	315, 431
51321J101-030	464	5222-005	233, 410	5420-025	228, 393	543G-030C	306, 394	5437-200C	306, 394		567
51321J101-040	464	5222-005C	310, 410	5420-025C	306, 394	543G-040	229, 394	5437-240	229, 393	5692-003	238, 431
51321J101-060	464	5222-007C	310, 410	5420-030	228, 393	543G-040C	306, 394	5437-240C	306, 394		567
51321J101-080	464	5222-010	233, 410	5420-030C	306, 394	543G-060	229, 394	548-010-28A	90	5692-003BL	545
51321J101-100	464	5222-010C	310, 410	5420-040	228, 393	543G-060C	306, 394	548-012-28A	90	5692-003C	315, 431
51321J101-120	464	5222-012	233, 410	5420-040C	306, 394	543G-080	229, 394	548-015-28A	90		567
51322A121-015	463	5222-012C	310, 410	5420-060	228, 393	543G-080C	306, 394	5520	558, 702	5692-005	238, 431
51322A121-020	463	5222-015	233, 410	5420-060C	306, 394	543G-100	229, 394	5520-1	702		567
51322A121-025	463	5222-015C	310, 410	5420-080	228, 393	543G-100C	306, 394	555A	541	5692-005BL	545
51322A121-030	463	5222-020	233, 410	5420-080C	306, 394	543G-120	229, 394	555B	541	5692-005C	315, 431
51322A121-040	463	5222-020C	310, 410	5420-100	228, 393	543G-120C	306, 394	555C	541		567
51322A121-060	463	5223-005	233, 410	5420-100C	306, 394	5430-020	228, 393	556A	541	58-010-1	91
51322A121-080	463	5223-005C	310, 411	5420-120	228, 393	5430-020C	306, 394	556B	541	58-012-1	91
51322A121-100	463	5223-007	233, 410	5420-120C	306, 394	5430-025	228, 393	559-010-21AR	90	58-015-1	91
51322A123-120	463	5223-007C	310, 411	5420-140	228, 393	5430-025C	306, 394	559-010-22SRAR	90	58WH-010	92
51322H101-015	464	5223-010	233, 410	5420-160	228, 393	5430-030	228, 393	559-012-21AR	90	58WH-012	92
51322H101-020	464	5223-010C	310, 411	5420-180	228, 393	5430-030C	306, 394	559-012-22SRAR	90	58WH-015	92
51322H101-025	464	5223-012	233, 410	5420-200	228, 393	5430-040	228, 393	559-015-21AR	90	5805-01008	88
51322H101-030	464	5223-012C	310, 411	5420-240	228, 393	5430-040C	306, 394	559-015-22SRAR	90	5805-01010	88
51322H101-040	464	5223-015	233, 410	5421A-020	229, 393	5430-060	228, 393	559-212-101AR	90	5805-01012	88
51322H101-060	464	5223-015C	310, 411	5421A-020C	306, 394	5430-060C	306, 394	559-212-85AR	90	5805-01208	88
51322H101-080	465	5223-020	233, 410	5421A-025C	306, 394	5430-080	228, 393	5591-002	238, 431	5805-01210	88
51322H101-100	465	5223-020C	310, 411	5421A-030	229, 393	5430-080C	306, 394		567	5805-01212	88
51322H101-120	465	5223-060	233, 410	5421A-030C	306, 394	5430-100	228, 393	5591-002BL	545	5805-01508	88
51322J101-015	464	5223-060C	310, 411	5421A-040	229, 393	5430-100C	306, 394	5591-002C	315, 431	5805-01510	88
51322J101-020	464	5223-080	410	5421A-040C	306, 394	5430-120	228, 393		567	5805-01512	88
51322J101-025	464	5223-080C	411	5421A-060	229, 394	5430-120C	306, 394	5591-002P	348, 431	5805-16808	88
51322J101-030	464	5230-010	411	5421A-060C	306, 394	5431A-020	229, 393		568	5805-16810	88
51322J101-040	464	5230-010C	412	5421A-080	229, 394	5431A-020C	306, 394	5591-003	238, 431	5805-16812	88
51322J101-060	464	5230-020	411	5421A-080C	306, 394	5431A-025	229, 393		567	5805-16908	88
51322J101-080	465	5230-020C	412	5421A-100	229, 394	5431A-025C	306, 394	5591-003BL	545	5805-16910	88
51322J101-100	465	5230-060	411	5421A-100C	306, 394	5431A-030	229, 393	5591-003C	315, 431	5805-16912	88
51322J101-120	465	5230-060C	412	5421A-120	229, 394	5431A-030C	306, 394		567	5806-01008	88
5210-010	411	5231-005CSR	310, 410	5421A-120C	306, 394	5431A-040	306, 394	5591-003CSR	431, 567	5806-01010	88
5210-010C	412	5231-005SR	233, 410	5423-020	228, 393	5431A-060	229, 394	5591-003P	348, 431	5806-01012	88
5210-020	411	5231-007CSR	310, 410	5423-020C	306, 394	5431A-060C	306, 394		568	5806-01208	88
5210-020C	412	5231-007SR	233, 410	5423-025	228, 393	5431A-080	229, 394	5591-003SR	431, 567	5806-01210	88
5211-005CSR	310, 410	5231-010CSR	310, 411	5423-025C	306, 394	5431A-080C	306, 394	5591-005	238, 431	5806-01212	88
5211-005SR	233, 410	5231-010SR	233, 410	5423-030	228, 393	5431A-100	229, 394		567	5806-01508	88
5211-007CSR	310, 410	5231-012CSR	310, 411	5423-030C	306, 394	5431A-100C	306, 394	5591-005BLSR	545	5806-01510	88
5211-007SR	233, 410	5231-012SR	233, 410	5423-040	228, 393	5431A-120	229, 394	5591-005C	315, 431	5806-01512	88
5211-010CSR	310, 410	5231-015CSR	310, 411	5423-040C	306, 394	5431A-120C	306, 394		567	5806-16808	88
5211-010SR	233, 410	5231-015SR	233, 410	5423-060	228, 393	5433-020	228, 393	5591-005CSR	315, 431	5806-16810	88
5211-012CSR	310, 411	5231-020CSR	310, 411	5423-060C	306, 394	5433-020C	306, 394		567	5806-16812	88
5211-012SR	233, 410	5231-020SR	233, 410	5423-080	228, 393	5433-025	228, 393	5591-005PSR	348, 431	5806-16908	88
5211-015CSR	310, 411	5232-005	233, 410	5423-080C	306, 394	5433-025C	306, 394		568	5806-16910	88
5211-015SR	233, 410	5232-005C	310, 410	5423-100	228, 393	5433-030	228, 393	5591-005SR	238, 431	5806-16912	88
5211-020CSR	310, 411	5232-007	233, 410	5423-100C	306, 394	5433-030C	306, 394		567	5807-01008	88
5211-020SR	233, 410	5232-007C	310, 410	5423-120	228, 393	5433-040	228, 393	5592-002	238, 431	5807-01010	88
5212-005	233, 410	5232-010	233, 410	5423-120C	306, 394	5433-040C	306, 394		567	5807-01012	88
5212-005C	310, 410	5232-010C	310, 410	5423-140	228, 393	5433-060	228, 393	5592-002BL	545	5807-01208	88
5212-007	233, 410	5232-012	233, 410	5423-140C	306, 394	5433-060C	306, 394	5592-002C	315, 431	5807-01210	88
5212-007C	310, 410	5232-012C	310, 410	5423-160	228, 393	5433-080	228, 393		567	5807-01212	88
5212-010	233, 410	5232-015	233, 410	5423-160C	306, 394	5433-080C	306, 394	5592-003	238, 431	5807-01508	88
5212-010C	310, 410	5232-015C	310, 410	5423-180	228, 393	5433-100	228, 393		567	5807-01510	88
5212-012	233, 410	5232-020	233, 410	5423-180C	306, 394	5433-100C	306, 394	5592-003BL	545	5807-01512	88
5212-012C	310, 410	5232-020C	310, 410	5423-200	228, 393	5433-120	228, 393	5592-003C	315, 431	5807-16810	88
5212-015	233, 410	5233-005	233, 410	5423-200C	306, 394	5433-120C	306, 394		567	5807-16812	88
5212-015C	310, 410	5233-005C	310, 411	5423-240	228, 393	5433-140	228, 393	5592-005	238, 431	5807-16818	88
5212-020	233, 410	5233-007	233, 410	5423-240C	306, 394	5433-140C	306, 394		567	5807-16908	88
5212-020C	310, 410	5233-007C	310, 411	5427-020	228, 393	5433-160	228, 393	5592-005BL	545	5807-16910	88
5213-005											



Spears Part Number Index

5809-01012	88	5905-012 *	89	598-212-26	91	6623-015	222, 370	721301-100P	350, 419	721311-060C	311, 414
5809-01208	88	5905-012 **	89	598-212-27	91	6623-015C	300, 370	721301-120	234, 414	721311-060P	350, 419
5809-01210	88	5905-01200	89	598-251-26	91	6623-020	222, 370	721301-120C	311, 414	721311-080	234, 413
5809-01212	88	5905-015 *	89	598-251-27	91	6623-020C	300, 370	721301-120P	350, 419	721311-080C	311, 414
5809-01508	88	5905-015 **	89	601-280	667	6631-005	221, 370	721301G-015	235, 415	721311-080P	350, 419
5809-01510	88	5905-01500	89	6013-025	238, 430	6631-005C	300, 370	721301G-015C	312, 416	721311G-015	235, 415
5809-01512	88	5906-010 *	89	6013-030	238, 430	6631-007	221, 370	721301G-020	235, 415	721311G-015C	312, 416
5810-01008	88	5906-010 **	89	6013-040	238, 430	6631-007C	300, 370	721301G-020C	312, 416	721311G-020	235, 415
5810-01010	88	5906-01000	89	6013-060	238, 430	6631-010	221, 370	721301G-025	235, 416	721311G-020C	312, 416
5810-01012	88	5906-012 *	89	6020	701	6631-010C	300, 370	721301G-025C	312, 416	721311G-025	235, 415
5810-01208	88	5906-012 **	89	6023-025	238, 430	6631-012	221, 370	721301G-030	235, 416	721311G-025C	312, 416
5810-01210	88	5906-01200	89	6023-025C	315, 430	6631-012C	300, 370	721301G-030C	312, 416	721311G-030	235, 415
5810-01212	88	5906-015 *	89	6023-030	238, 430	6631-015	221, 370	721301G-040	235, 416	721311G-030C	312, 416
5810-01508	88	5906-015 **	89	6023-030C	315, 430	6631-015C	300, 370	721301G-040C	312, 416	721311G-040	235, 415
5810-01510	88	5906-01500	89	6023-040	238, 430	6631-020	221, 370	721301G-060	235, 416	721311G-040C	312, 416
5810-01512	88	5907-010 *	89	6023-040C	315, 430	6631-020C	300, 370	721301G-060C	312, 416	721311G-060	235, 415
5811-01008	88	5907-010 **	89	6023-060	238, 430	6632-005	221, 370	721301G-080	235, 416	721311G-060C	312, 416
5811-01010	88	5907-01000	89	6023-060C	315, 430	6632-005C	300, 370	721301G-080C	312, 416	721311G-080	235, 415
5811-01012	88	5907-012 *	89	6033-025	238, 430	6632-007	221, 370	721301G-100	235, 416	721311G-080C	312, 416
5811-01208	88	5907-012 **	89	6033-025C	315, 430	6632-007C	300, 370	721301G-100C	312, 416	721311K-015	235, 414
5811-01210	88	5907-01200	89	6033-030	238, 430	6632-010	221, 370	721301G-120	235, 416	721311K-015C	312, 415
5811-01212	88	5907-015 *	90	6033-030C	315, 430	6632-010C	300, 370	721301G-120C	312, 416	721311K-020	235, 414
5811-01508	88	5907-015 **	90	6033-040	238, 430	6632-012	221, 370	721301K-015	235, 415	721311K-020C	312, 415
5811-01510	88	5907-01500	89, 90	6033-040C	315, 430	6632-012C	300, 370	721301K-015C	312, 415	721311K-025	235, 415
5811-01512	88	5908-249 *	90	6033-060	238, 430	6632-015	221, 370	721301K-020	235, 415	721311K-025C	312, 415
5812-24908	88	5908-249 **	90	6033-060C	315, 430	6632-015C	300, 370	721301K-020C	312, 415	721311K-030	235, 415
5812-24910	88	5908-24900	90	606-280	667	6632-020	221, 370	721301K-025	235, 415	721311K-030C	312, 415
5812-24912	89	5908-250 *	90	617-280	667	6632-020C	300, 370	721301K-025C	312, 415	721311K-040	235, 415
5812-25008	89	5908-250 **	90	6201-060	667	6633-005	221, 370	721301K-030	235, 415	721311K-040C	312, 415
5812-25010	89	5908-25000	90	6201-080	667	6633-005C	300, 370	721301K-030C	312, 415	721311K-060	235, 415
5812-25012	89	5908-251 *	90	6201-160040	667	6633-007	221, 370	721301K-040	235, 415	721311K-060C	312, 415
5812-25108	89	5908-251 **	90	6206-060	667	6633-007C	300, 370	721301K-040C	312, 415	721311K-080	235, 415
5812-25110	89	5908-25100	90	6206-080	667	6633-010	222, 370	721301K-060	235, 415	721311K-080C	312, 415
5812-25112	89	591-010-1AR	91	6217-060	667	6633-010C	300, 370	721301K-060C	312, 415	721311L-015	236, 417
5855-01008	89	591-010-2A	90	6217-080	667	6633-012	222, 370	721301K-080	235, 415	721311L-015C	313, 418
5855-01010	89	591-010-3AR	90	6247-060	667	6633-012C	300, 370	721301K-080C	312, 415	721311L-020	236, 417
5855-01012	89	591-010-4A	91	6254-160	667	6633-015	222, 370	721301K-100	235, 415	721311L-020C	313, 418
5855-01208	89	591-010-5A	91	6254-200	667	6633-015C	300, 370	721301K-100C	312, 415	721311L-025	236, 417
5855-01210	89	591-010-6A	91	6254-225	667	6633-020	222, 370	721301K-120	235, 415	721311L-025C	313, 418
5855-01212	89	591-010-7AR	91	6254-280	667	6633-020C	300, 370	721301K-120C	312, 415	721311L-030	236, 417
5855-01508	89	591-010-8BRA	91	6275-160110C	667	682311-015	33, 413	721301L-015	236, 418	721311L-030C	313, 418
5855-01510	89	591-010-8SRA	91	637-225160	667	682311-020	33, 413	721301L-015C	313, 418	721311L-040	236, 417
5855-01512	89	591-012-1AR	91	6520	558, 702	682311-025	33, 413	721301L-020	236, 418	721311L-040C	313, 418
5856-01008	89	591-012-2A	90	6520-1	702	682311-030	33, 413	721301L-020C	313, 418	721311L-060	236, 417
5856-01010	89	591-012-3AR	90	6561-007	231, 401	682311-040	33, 413	721301L-025	236, 418	721311L-060C	313, 418
5856-01012	89	591-012-4A	91	6561-007C	308, 401	682311-060	33, 413	721301L-025C	313, 418	721311L-080	236, 417
5856-01208	89	591-012-5A	91	6562-007	231, 401	682311-080	33, 413	721301L-030	236, 418	721311L-080C	313, 418
5856-01210	89	591-012-6A	91	6562-007C	308, 401	682311-015	33, 413	721301L-030C	313, 418	721311Z-015	236, 416
5856-01212	89	591-012-7AR	91	657-020	666	682311-020	33, 413	721301L-040	236, 418	721311Z-015C	313, 417
5856-01508	89	591-012-8BRA	91	657-020C	666	682311-025	33, 413	721301L-040C	313, 418	721311Z-020	236, 416
5856-01510	89	591-012-8SRA	91	657-025	666	682311-030	33, 413	721301L-060	236, 418	721311Z-020C	313, 417
5856-01512	89	591-015-1AR	91	657-025C	666	682311-040	33, 413	721301L-060C	313, 418	721311Z-025	236, 416
5857-01008	89	591-015-3AR	90	657-032	666	682311-060	33, 413	721301L-080	236, 418	721311Z-025C	313, 417
5857-01010	89	591-015-4A	91	657-032C	666	682311-080	33, 413	721301L-080C	313, 418	721311Z-030	236, 416
5857-01012	89	591-015-5A	91	657-040	666	682311-100	33, 413	721301L-100	236, 418	721311Z-030C	313, 417
5857-01208	89	591-015-6A	91	657-040C	666	682311-120	33, 413	721301L-100C	313, 418	721311Z-040	236, 417
5857-01210	89	591-015-7AR	91	657-050	666	697-020	666	721301L-120	236, 418	721311Z-040C	313, 417
5857-01212	89	591-015-8BRA	91	657-050C	666	697-020C	666	721301L-120C	313, 418	721311Z-060	236, 417
5857-01508	89	591-015-8SRA	91	657-063	666	697-025	666	721301Z-015	236, 417	721311Z-060C	313, 417
5857-01510	89	591-132-7AR	91	657-063C	666	697-025C	666	721301Z-015C	313, 417	721311Z-080	236, 417
5857-01512	89	591-133-7AR	91	6621-005	221, 370	697-032	666	721301Z-020	236, 417	721311Z-080C	313, 417
5858-24908	89	591-168-4A	91	6621-005C	300, 370	697-032C	666	721301Z-020C	313, 417	721321-015	234, 413
5858-24910	89	591-168-7AR	91	6621-007	221, 370	697-040	666	721301Z-025	236, 417	721321-015C	311, 414
5858-24912	89	591-211-7AR	91	6621-007C	300, 370	697-040C	666	721301Z-025C	313, 417	721321-020	234, 413
5858-25008	89	591-212-7AR	91	6621-010	221, 370	697-050	666	721301Z-030	236, 417	721321-020C	311, 414
5858-25010	89	592-010-4AR	90	6621-010C	300, 370	697-050C	666	721301Z-030C	313, 417	721321-020P	350, 419
5858-25012	89	592-012-4AR	90	6621-012	221, 370	697-063	666	721301Z-040	236, 417	721321-025	234, 413
5858-25108	89	592-015-4AR	90	6621-012C	300, 370	697-063C	666	721301Z-040C	313, 417	721321-025C	311, 414
5858-25110	89	593-010-1AR	91	6621-015	221, 370	7020	558, 702	721301Z-060	236, 417	721321-025P	350, 419
5858-25112	89	593-012-1AR	91	6621-015C	300, 370	721301-015	234, 414	721301Z-060C	313, 417	721321-030	234, 413
59-010-08R	91	593-015-1AR	91	6621-020	221, 370	721301-015C	311, 414	721301Z-080	236, 417	721321-030C	311, 414
59-010-10R	91	593-249-5A	90	6621-020C	300, 370	721301-015P	350, 419	721301Z-080C	313, 417	721321-030P	350, 419
59-010-12R	91	593-250-5A	90	6622-005	221, 370	721301-020	234, 414	721301Z-100	236, 417	721321-040	234, 413
59-010-14R	91	593-251-5A	90	6622-005C	300, 370	721301-020C	311, 414	721301Z-100C	313, 417	721321-040C	311, 414
59-010-16R	91	594-010-4AR	90	6622-007	221, 370	721301-020P	350, 419	721301Z-120	236, 417	721321-040P	350, 419
59-012-08R	91	594-012-4AR	90	6622-007C	300, 370	721301-025	234, 414	721301Z-120C	313, 417	721321-060	234, 413
59-012-10R	91	594-015-4AR	90	6622-010	221, 370	721301-025C	311, 414	721311-015	234, 413	721321-060C	311, 414
59-012-12R	91	595-010-4AR	90	6622-010C	300, 370	721301-025P	350, 419	721311-015C	311, 414	721321-060P	350, 419
59-012-14R	91	595-012-4AR	90	6622-012	221, 370	721301-030	234, 414	7			

Spears Part Number Index



721321G-025C	312, 416	722301-120C	311, 414	722311-080	234, 413	722321-200P	237, 314	723301-060C	311, 414	723311-030	234, 413
721321G-030	235, 415	722301-120P	350, 419	722311-080C	311, 414		351, 420	723301-060P	350, 419	723311-030C	311, 414
721321G-030C	312, 416	722301G-015	235, 415	722311-080P	350, 419	722321-240P	237, 314	723301-080	234, 414	723311-030P	350, 419
721321G-040	235, 415	722301G-015C	312, 416	722311G-015	235, 415		351, 420	723301-080C	311, 414	723311-040	234, 413
721321G-040C	312, 416	722301G-020	235, 415	722311G-015C	312, 416	722321G-015	235, 415	723301-080P	350, 419	723311-040C	311, 414
721321G-060	235, 415	722301G-020C	312, 416	722311G-020	235, 415	722321G-015C	312, 416	723301-100	234, 414	723311-040P	350, 419
721321G-060C	312, 416	722301G-025	235, 416	722311G-020C	312, 416	722321G-020	235, 415	723301-100C	311, 414	723311-060	234, 413
721321G-080	235, 415	722301G-025C	312, 416	722311G-025	235, 415	722321G-020C	312, 416	723301-100P	350, 419	723311-060C	311, 414
721321G-080C	312, 416	722301G-030	235, 416	722311G-025C	312, 416	722321G-025	235, 415	723301-120	234, 414	723311-060P	350, 419
721321G-100	235, 415	722301G-030C	312, 416	722311G-030	235, 415	722321G-025C	312, 416	723301-120C	311, 414	723311-080	234, 413
721321G-100C	312, 416	722301G-040	235, 416	722311G-030C	312, 416	722321G-030	235, 415	723301-120P	350, 419	723311-080C	311, 414
721321G-120	235, 415	722301G-040C	312, 416	722311G-040	235, 415	722321G-030C	312, 416	723301G-015	235, 415	723311-080P	350, 419
721321G-120C	312, 416	722301G-060	235, 416	722311G-040C	312, 416	722321G-040	235, 415	723301G-015C	312, 416	723311G-015	235, 415
721321K-015	235, 415	722301G-060C	312, 416	722311G-060	235, 415	722321G-040C	312, 416	723301G-020	235, 415	723311G-015C	312, 416
721321K-015C	312, 415	722301G-080	235, 416	722311G-060C	312, 416	722321G-060	235, 415	723301G-020C	312, 416	723311G-020	235, 415
721321K-020	235, 415	722301G-080C	312, 416	722311G-080	235, 415	722321G-060C	312, 416	723301G-025	235, 416	723311G-020C	312, 416
721321K-020C	312, 415	722301G-100	235, 416	722311G-080C	312, 416	722321G-080	235, 415	723301G-025C	312, 416	723311G-025	235, 415
721321K-025	235, 415	722301G-100C	312, 416	722311K-015	235, 414	722321G-080C	312, 416	723301G-030	235, 416	723311G-025C	312, 416
721321K-025C	312, 415	722301G-120	235, 416	722311K-015C	312, 415	722321G-100	235, 415	723301G-030C	312, 416	723311G-030	235, 415
721321K-030	235, 415	722301G-120C	312, 416	722311K-020	235, 414	722321G-100C	312, 416	723301G-040	235, 416	723311G-030C	312, 416
721321K-030C	312, 415	722301K-015	235, 415	722311K-020C	312, 415	722321G-120	235, 415	723301G-040C	312, 416	723311G-040	235, 415
721321K-040	235, 415	722301K-015C	312, 415	722311K-025	235, 415	722321G-120C	312, 416	723301G-060	235, 416	723311G-040C	312, 416
721321K-040C	312, 415	722301K-020	235, 415	722311K-025C	312, 415	722321K-015	235, 415	723301G-060C	312, 416	723311G-060	235, 415
721321K-060	235, 415	722301K-020C	312, 415	722311K-030	235, 415	722321K-015C	312, 415	723301G-080	235, 416	723311G-060C	312, 416
721321K-060C	312, 415	722301K-025	235, 415	722311K-030C	312, 415	722321K-020	235, 415	723301G-080C	312, 416	723311G-080	235, 415
721321K-080	235, 415	722301K-025C	312, 415	722311K-040	235, 415	722321K-020C	312, 415	723301G-100	235, 416	723311G-080C	312, 416
721321K-080C	312, 415	722301K-030	235, 415	722311K-040C	312, 415	722321K-025	235, 415	723301G-100C	312, 416	723311K-015	235, 414
721321K-100	235, 415	722301K-030C	312, 415	722311K-060	235, 415	722321K-025C	312, 415	723301G-120	235, 416	723311K-015C	312, 415
721321K-100C	312, 415	722301K-040	235, 415	722311K-060C	312, 415	722321K-030	235, 415	723301G-120C	312, 416	723311K-020	235, 414
721321K-120	235, 415	722301K-040C	312, 415	722311K-080	235, 415	722321K-030C	312, 415	723301K-015	235, 415	723311K-020C	312, 415
721321K-120C	312, 415	722301K-060	235, 415	722311K-080C	312, 415	722321K-040	235, 415	723301K-015C	312, 415	723311K-025	235, 415
721321L-015	236, 417	722301K-060C	312, 415	722311L-015	236, 417	722321K-040C	312, 415	723301K-020	235, 415	723311K-025C	312, 415
721321L-015C	313, 418	722301K-080	235, 415	722311L-015C	313, 418	722321K-060	235, 415	723301K-020C	312, 415	723311K-030	235, 415
721321L-020	236, 417	722301K-080C	312, 415	722311L-020	236, 417	722321K-060C	312, 415	723301K-025	235, 415	723311K-030C	312, 415
721321L-020C	313, 418	722301K-100	235, 415	722311L-020C	313, 418	722321K-080	235, 415	723301K-025C	312, 415	723311K-040	235, 415
721321L-025	236, 418	722301K-100C	312, 415	722311L-025	236, 417	722321K-080C	312, 415	723301K-030	235, 415	723311K-040C	312, 415
721321L-025C	313, 418	722301K-120	235, 415	722311L-025C	313, 418	722321K-100	235, 415	723301K-030C	312, 415	723311K-060	235, 415
721321L-030	236, 418	722301K-120C	312, 415	722311L-030	236, 417	722321K-100C	312, 415	723301K-040	235, 415	723311K-060C	312, 415
721321L-030C	313, 418	722301L-015	236, 418	722311L-030C	313, 418	722321K-120	235, 415	723301K-040C	312, 415	723311K-080	235, 415
721321L-040	236, 418	722301L-015C	313, 418	722311L-040	236, 417	722321K-120C	312, 415	723301K-060	235, 415	723311K-080C	312, 415
721321L-040C	313, 418	722301L-020	236, 418	722311L-040C	313, 418	722321L-015	236, 417	723301K-060C	312, 415	723311L-015	236, 417
721321L-060	236, 418	722301L-020C	313, 418	722311L-060	236, 417	722321L-015C	313, 418	723301K-080	235, 415	723311L-015C	313, 418
721321L-060C	313, 418	722301L-025	236, 418	722311L-060C	313, 418	722321L-020	236, 417	723301K-080C	312, 415	723311L-020	236, 417
721321L-080	236, 418	722301L-025C	313, 418	722311L-080	236, 417	722321L-020C	313, 418	723301K-100	235, 415	723311L-020C	313, 418
721321L-080C	313, 418	722301L-030	236, 418	722311L-080C	313, 418	722321L-025	236, 418	723301K-100C	312, 415	723311L-025	236, 417
721321L-100	236, 418	722301L-030C	313, 418	722311L-015	236, 416	722321L-025C	313, 418	723301K-120	235, 415	723311L-025C	313, 418
721321L-100C	313, 418	722301L-040	236, 418	722311L-015C	313, 417	722321L-030	236, 418	723301K-120C	312, 415	723311L-030	236, 417
721321L-120	236, 418	722301L-040C	313, 418	722311L-020	236, 416	722321L-030C	313, 418	723301L-015	236, 418	723311L-030C	313, 418
721321L-120C	313, 418	722301L-060	236, 418	722311L-020C	313, 417	722321L-040	236, 418	723301L-015C	313, 418	723311L-040	236, 417
721321L-015	236, 417	722301L-060C	313, 418	722311L-025	236, 416	722321L-040C	313, 418	723301L-020	236, 418	723311L-040C	313, 418
721321Z-015C	313, 417	722301L-080	236, 418	722311Z-025C	313, 417	722321L-060	236, 418	723301L-020C	313, 418	723311L-060	236, 417
721321Z-020	236, 417	722301L-080C	313, 418	722311Z-030	236, 416	722321L-060C	313, 418	723301L-025	236, 418	723311L-060C	313, 418
721321Z-020C	313, 417	722301L-100	236, 418	722311Z-030C	313, 417	722321L-080	236, 418	723301L-025C	313, 418	723311L-080	236, 417
721321Z-025	236, 417	722301L-100C	313, 418	722311Z-040	236, 417	722321L-080C	313, 418	723301L-030	236, 418	723311L-080C	313, 418
721321Z-025C	313, 417	722301L-120	236, 418	722311Z-040C	313, 417	722321L-100	236, 418	723301L-030C	313, 418	723311Z-015	236, 416
721321Z-030	236, 417	722301L-120C	313, 418	722311Z-060	236, 417	722321L-100C	313, 418	723301L-040	236, 418	723311Z-015C	313, 417
721321Z-030C	313, 417	722301Z-015	236, 417	722311Z-060C	313, 417	722321L-120	236, 418	723301L-040C	313, 418	723311Z-020	236, 416
721321Z-040	236, 417	722301Z-015C	313, 417	722311Z-080	236, 417	722321L-120C	313, 418	723301L-060	236, 418	723311Z-020C	313, 417
721321Z-040C	313, 417	722301Z-020	236, 417	722311Z-080C	313, 417	722321Z-015	236, 417	723301L-060C	313, 418	723311Z-025	236, 416
721321Z-060	236, 417	722301Z-020C	313, 417	722321-015	234, 413	722321Z-015C	313, 417	723301L-080	236, 418	723311Z-025C	313, 417
721321Z-060C	313, 417	722301Z-025	236, 417	722321-015C	311, 414	722321Z-020	236, 417	723301L-080C	313, 418	723311Z-030	236, 416
721321Z-080	236, 417	722301Z-025C	313, 417	722321-020	234, 413	722321Z-020C	313, 417	723301L-100	236, 418	723311Z-030C	313, 417
721321Z-080C	313, 417	722301Z-030	236, 417	722321-020C	311, 414	722321Z-025	236, 417	723301L-100C	313, 418	723311Z-040	236, 417
721321Z-100	236, 417	722301Z-030C	313, 417	722321-020P	350, 419	722321Z-025C	313, 417	723301L-120	236, 418	723311Z-040C	313, 417
721321Z-100C	313, 417	722301Z-040	236, 417	722321-025	234, 413	722321Z-030	236, 417	723301L-120C	313, 418	723311Z-060	236, 417
721321Z-120	236, 417	722301Z-040C	313, 417	722321-025C	311, 414	722321Z-030C	313, 417	723301Z-015	236, 417	723311Z-060C	313, 417
721321Z-120C	313, 417	722301Z-060	236, 417	722321-025P	350, 419	722321Z-040	236, 417	723301Z-015C	313, 417	723311Z-080	236, 417
722301-015	234, 414	722301Z-060C	313, 417	722321-030	234, 413	722321Z-040C	313, 417	723301Z-020			



Spears Part Number Index

723321-120C	311, 414	751311-025	237, 420	801-002C	256	801-250	170	801-579	171	801-758F	171
723321-120P	350, 419	751311-030	237, 420	801-003	170	801-250C	256	801-579CF	257	801-760CF	257
723321-140	237, 419	751311-040	237, 420	801-003C	256	801-251	170	801-579F	171	801-760F	171
723321-140C	314, 419	751311-060	237, 420	801-005	170	801-251BL	546	801-580	171	801-762CF	257
723321-140P	351, 420	751311-080	237, 420	801-005BL	546	801-251C	256	801-580C	257	801-762F	171
723321-160P	237, 314	751321-020	237, 420	801-005C	256	801-287	170	801-580CF	257	801-764CF	257
	351, 420	751321-025	237, 420	801-007	170	801-287C	256	801-580F	171	801-764F	171
723321-180P	237, 314	751321-030	237, 420	801-007BL	546	801-288	170	801-582	171	801-781CF	257
	351, 420	751321-040	237, 420	801-007C	256	801-288C	256	801-582C	257	801-781F	171
723321-200P	237, 314	751321-060	237, 420	801-010	170	801-289	170	801-582CF	257	801-783CF	257
	351, 420	751321-080	237, 420	801-010BL	546	801-289C	256	801-582F	171	801-783F	171
723321-240P	237, 314	752301-020	237, 420	801-010C	256	801-290	170	801-583F	171	801-784CF	257
	351, 420	752301-020C	314, 421	801-012	170	801-290C	256	801-585	171	801-784F	171
723321G-015	235, 415	752301-025	237, 420	801-012BL	546	801-291	170	801-585C	257	801-786CF	257
723321G-015C	312, 416	752301-025C	314, 421	801-012C	256	801-291C	256	801-618CF	257	801-786F	171
723321G-020	235, 415	752301-030	237, 420	801-015	170	801-292	170	801-619CF	257	801-788CF	257
723321G-020C	312, 416	752301-030C	314, 421	801-015BL	546	801-292C	256	801-620CF	257	801-788F	171
723321G-025	235, 415	752301-040	237, 420	801-015C	256	801-333	170	801-621C	257	801-790CF	257
723321G-025C	312, 416	752301-040C	314, 421	801-020	170	801-333C	256	801-621CF	257	801-790F	171
723321G-030	235, 415	752301-060	237, 420	801-020BL	546	801-334	170	801-621F	171	801-792CF	257
723321G-030C	312, 416	752301-060C	314, 421	801-020C	256	801-334C	256	801-622CF	257	801-792F	171
723321G-040	235, 415	752301-080	237, 420	801-025	170	801-335	170	801-622F	171	801-794CF	257
723321G-040C	312, 416	752301-080C	314, 421	801-025C	256	801-335C	256	801-623	171	801-794F	171
723321G-060	235, 415	752311-020	237, 420	801-030	170	801-336	170	801-623C	257	801-796CF	257
723321G-060C	312, 416	752311-020C	314, 420	801-030BL	546	801-336C	256	801-623CF	257	801-796F	171
723321G-080	235, 415	752311-025	237, 420	801-030C	256	801-337	171	801-623F	171	801-814CF	257
723321G-080C	312, 416	752311-025C	314, 420	801-040	170	801-337C	256	801-624	171	801-814F	171
723321G-100	235, 415	752311-030	237, 420	801-040BL	546	801-338	171	801-624C	257	801-816CF	257
723321G-100C	312, 416	752311-030C	314, 420	801-040C	256	801-338BL	546	801-624CF	257	801-816F	171
723321G-120	235, 415	752311-040	237, 420	801-050	170	801-338C	256	801-624F	171	801-818CF	257
723321G-120C	312, 416	752311-040C	314, 420	801-050C	256	801-339	171	801-625F	171	801-818F	171
723321K-015	235, 415	752311-060	237, 420	801-050F	170	801-339C	256	801-626	171	801-820CF	257
723321K-015C	312, 415	752311-060C	314, 420	801-060	170	801-415C	257	801-626C	257	801-820F	171
723321K-020	235, 415	752311-080	237, 420	801-060BL	546	801-416	171	801-626CF	257	801-822CF	257
723321K-020C	312, 415	752311-080C	314, 420	801-060C	256	801-416C	257	801-626F	171	801-822F	171
723321K-025	235, 415	752321-020	237, 420	801-080	170	801-417	171	801-628	171	801-824CF	257
723321K-025C	312, 415	752321-020C	314, 420	801-080C	256	801-417C	257	801-628C	257	801-824F	171
723321K-030	235, 415	752321-025	237, 420	801-080F	170	801-418	171	801-628CF	257	801-826CF	257
723321K-030C	312, 415	752321-025C	314, 420	801-100	170	801-418C	257	801-628F	171	801-826F	171
723321K-040	235, 415	752321-030	237, 420	801-100C	256	801-419	171	801-632F	171	801-828CF	257
723321K-040C	312, 415	752321-030C	314, 420	801-100CF	256	801-419C	257	801-661CF	257	801-828F	171
723321K-060	235, 415	752321-040	237, 420	801-100F	170	801-420	171	801-661F	171	801-904CF	257
723321K-060C	312, 415	752321-040C	314, 420	801-101	170	801-420C	257	801-662CF	257	801-904F	171
723321K-080	235, 415	752321-060	237, 420	801-101C	256	801-421	171	801-662F	171	801-906CF	257
723321K-080C	312, 415	752321-060C	314, 420	801-120	170	801-421C	257	801-663CF	257	801-906F	171
723321K-100	235, 415	752321-080	237, 420	801-120C	256	801-422	171	801-663F	171	801-908CF	257
723321K-100C	312, 415	752321-080C	314, 420	801-120CF	546	801-422BL	546	801-664	171	801-908F	171
723321K-120	235, 415	753301-020	237, 420	801-120F	257	801-422C	257	801-664C	257	801-910CF	257
723321K-120C	312, 415	753301-020C	314, 421	801-130	170	801-426	171	801-664CF	257	801-910F	171
723321L-015	236, 417	753301-025	237, 420	801-130C	256	801-426C	257	801-664F	171	801-912CF	257
723321L-015C	313, 418	753301-025C	314, 421	801-131	170	801-482F	171	801-665F	171	801-912F	171
723321L-020	236, 417	753301-030	237, 420	801-131BL	546	801-484F	171	801-666	171	801-914CF	257
723321L-020C	313, 418	753301-030C	314, 421	801-131C	256	801-486F	171	801-666C	257	801-914F	171
723321L-025	236, 418	753301-040	237, 420	801-140CF	256	801-487F	171	801-666CF	257	801-916CF	257
723321L-025C	313, 418	753301-040C	314, 421	801-140F	170	801-488F	171	801-666F	171	801-916F	171
723321L-030	236, 418	753301-060	237, 420	801-157	170	801-490	171	801-668	171	801-918CF	257
723321L-030C	313, 418	753301-060C	314, 421	801-158	170	801-490F	171	801-668C	257	801-918F	171
723321L-040	236, 418	753301-080	237, 420	801-158C	256	801-523	171	801-668CF	257	801-920CF	257
723321L-040C	313, 418	753301-080C	314, 421	801-159	171	801-525	171	801-668F	171	801-920F	171
723321L-060	236, 418	753311-020	237, 420	801-159C	256	801-525C	257	801-670	171	802-002	170
723321L-060C	313, 418	753311-020C	314, 420	801-160CF	257	801-525CF	257	801-670C	257	802-002C	256
723321L-080	236, 418	753311-025	237, 420	801-160F	170	801-526	171	801-670CF	257	802-005	170
723321L-080C	313, 418	753311-025C	314, 420	801-166	170	801-526C	257	801-670F	171	802-005BR	170, 333
723321L-100	236, 418	753311-030	237, 420	801-166C	256	801-526CF	257	801-678F	171	802-005C	256
723321L-100C	313, 418	753311-030C	314, 420	801-167	170	801-527	171	801-691CF	257	802-005CBR	256, 338
723321L-120	236, 418	753311-040	237, 420	801-167C	256	801-527C	257	801-691F	171	802-005CSR	256, 334
723321L-120C	313, 418	753311-040C	314, 420	801-168	170	801-527CF	257	801-692CF	257	802-005SR	170, 329
723321Z-015	236, 417	753311-060	237, 420	801-168C	256	801-528	171	801-692F	171	802-007	170
723321Z-015C	313, 417	753311-060C	314, 420	801-180CF	256	801-528C	257	801-693CF	257	802-007BR	170, 333
723321Z-020	236, 417	753311-080	237, 420	801-180F	170	801-528CF	257	801-693F	171	802-007C	256
723321Z-020C	313, 417	753311-080C	314, 420	801-200CF	256	801-529	171	801-694CF	257	802-007CBR	256, 338
723321Z-025	236, 417	753321-020	237, 420	801-200F	170	801-529C	257	801-694F	171	802-007CSR	256, 334
723321Z-025C	313, 417	753321-020C	314, 420	801-202	170	801-529CF	257	801-696CF	257	802-007SR	170, 329
723321Z-030	236, 417	753321-025	237, 420	801-202C	256	801-530	171	801-696F	171	802-010	170
723321Z-030C	313, 417	753321-025C	314, 420	801-209	170	801-530BL	546	801-698CF	257	802-010C	256
723321Z-040	236, 417	753321-030	237, 420	801-209C	256	801-530C	257	801-698F	171	802-010CSR	256, 334
723321Z-040C	313, 417	753321-030C	314, 420	801-210	170	801-530CF	257	801-700CF	257	802-010SR	170, 329
723321Z-060	236, 417	753321-040	237, 420	801-210C	256	801-532	171	801-700F	171	802-012	170
723321Z-060C	313, 417	753321-040C	314, 420	801-211	170	801-532BL	546	801-702CF	257	802-012C	256
723321Z-080	236, 417	753321-060	237, 420	801-211BL	546	801-532C	257	801-702F	171	802-012CSR	256, 334
723321Z-080C	313, 417	753321-060C	314, 420	801-211C	256	801-533F	171	801-706F	171	802-012SR	170, 329
723321Z-100	236, 417	753321-080	237, 420	801-212	170	801-537F	171	801-751CF	257	802-015	170
723321Z-100C	313, 417	753321-080C	314, 420	801-212C	256	801-539F	171	801-751F	171	802-015C	256
723321Z-120	236, 417	7622-015	374, 408	801-240CF	256	801-573	171	801-752CF	257	802-015CSR	256, 334
723321Z-120C	313, 417	7622-020	374, 408	801-240F	170	801-575	171</				

Spears Part Number Index



802-030SR	170, 329	802-336C	258	803-177SR	210	8056-060C	269	806-005S	173	807-003C	259
802-040	170	802-337	172	803-188CSR	289	8057-005	184	806-005SBL	547	807-005	173
802-040C	256	802-337C	258	803-188SR	210	8057-007	184	806-005SC	258	807-005BR	173, 333
802-040CSR	256, 334	802-338	172	803-197CSR	289	8057-010	184	806-007	172	807-005C	259
802-040SR	170, 329	802-338C	258	803-197SR	210	8057-012	184	806-007BL	546	807-005CBR	259, 338
802-060CF	256	802-339	172	803-221CSR	289	8057-015	184	806-007C	258	807-005CSR	259, 334
802-072CSR	258, 334	802-339C	258	803-221SR	210	8057-020	184	806-007LSCF	258	807-005SR	173, 329
802-072SR	172, 329	802-413CSR	258, 334	803-227CSR	289	8057-025	184	806-007LSF	173	807-007	173
802-098CSR	258, 334	802-413SR	172, 329	803-227SR	210	8057-030	184	806-007S	173	807-007BR	173, 333
802-098SR	172, 329	802-415	172	803-233CSR	289	8057-030BL	548	806-007SBL	547	807-007C	259
802-101	171	802-415C	258	803-233SR	210	8057-040	184	806-007SC	258	807-007CBR	259, 338
802-101BR	172, 333	802-415SR	172, 329	803-333CSR	289	8057-040BL	548	806-010	172	807-007CSR	259, 334
802-101C	257	802-416	172	803-333SR	210	8057-060	184	806-010BL	546	807-007SR	173, 329
802-101CBR	258, 338	802-416C	258	803-334CSR	289	8057-251W	32	806-010C	258	807-010	173
802-101CSR	258, 334	802-417	172	803-334SR	210	8058-005	185	806-010LSCF	258	807-010C	259
802-101SR	172, 329	802-417C	258	803-335CSR	289	8058-005C	269	806-010LSF	173	807-010CSR	259, 334
802-128CSR	258, 334	802-418	172	803-335SR	210	8058-005CSR	269, 335	806-010S	173	807-010SR	173, 329
802-128SR	172, 329	802-418C	258	803-415CSR	289	8058-005SR	185, 331	806-010SBL	547	807-012	173
802-130	171	802-419	172	803-415SR	210	8058-007	185	806-010SC	258	807-012C	259
802-130C	257	802-419C	258	803-416CSR	289	8058-007C	269	806-012	172	807-012CSR	334
802-130CSR	258, 334	802-420	172	803-416SR	210	8058-007CSR	269, 335	806-012BL	546	807-012SR	173, 329
802-130SR	172, 329	802-420C	258	803-417CSR	289	8058-007SR	185, 331	806-012C	258	807-015	173
802-131	171	802-421	172	803-417SR	210	8058-010	185	806-012LSCF	258	807-015C	259
802-131C	257	802-421C	258	803-523CSR	289	8058-010C	269	806-012LSF	173	807-015CSR	259, 334
802-131CSR	258, 334	802-422	172	803-523SR	210	8058-010CSR	269, 335	806-012S	173	807-015SR	173, 329
802-131SR	172, 329	802-422C	258	803-524CSR	289	8058-010SR	185, 331	806-012SBL	547	807-020	173
802-164CSR	258, 334	802-525	172	803-524SR	210	8058-012	185	806-012SC	258	807-020C	259
802-164SR	172, 329	802-525C	258	803-525CSR	289	8058-012C	269	806-015	172	807-020CSR	259, 334
802-166	171	802-526	172	803-525SR	210	8058-012CSR	269, 335	806-015BL	546	807-020SR	173, 329
802-166C	257	802-526C	258	803-573CSR	289	8058-012SR	185, 331	806-015C	258	807-030	173
802-166CSR	258, 334	802-527	172	803-573SR	210	8058-015	185	806-015LSCF	258	807-030C	259
802-166SR	172, 329	802-527C	258	803-574CSR	289	8058-015C	269	806-015LSF	173	807-030CSR	259
802-167	171	802-528	172	803-574SR	210	8058-015CSR	269, 335	806-015S	173	807-030SR	173, 329
802-167C	257	802-528C	258	803-575CSR	289	8058-015SR	185, 331	806-015SBL	547	807-040	173
802-168	171	802-529	172	803-575SR	210	8058-020	185	806-015SC	258	807-040C	259
802-168C	257	802-529C	258	805-002	170	8058-020C	269	806-020	172	807-040CSR	259
802-168CSR	258, 334	802-530	172	805-002C	256	8058-020CSR	269, 335	806-020BL	546	807-040SR	173, 329
802-168SR	172, 329	802-530C	258	805-002CSR	256, 334	8058-020SR	185, 331	806-020C	258	807-060	173
802-207CSR	258, 334	802-532	172	805-002SR	170, 329	8058-025	185	806-020LSCF	258	807-101	173
802-207SR	172, 329	802-532C	258	805-003	170	8058-025C	269	806-020LSF	173	807-101BR	173, 333
802-209	171	802-578	172	805-003C	256	8058-025SR	185, 331	806-020S	173	807-101C	259
802-209C	257	802-578C	258	805-003CSR	256, 334	8058-030	185	806-020SBL	547	807-101CBR	259, 338
802-210	171	802-578F	172	805-003SR	170, 329	8058-030C	269	806-020SC	258	807-101CSR	259, 334
802-210C	257	802-580	172	805-005	170	8058-030CSR	269, 335	806-025	172	807-101SR	173, 329
802-211	171	802-580C	258	805-005C	256	8058-030SR	185, 331	806-025C	258	807-130	173
802-211C	257	802-580F	172	805-005CSR	256, 334	8058-040	185	806-025LSF	173	807-130C	259
802-211CSR	258, 334	802-582	172	805-005SR	170, 329	8058-040C	269	806-030	172	807-130CSR	259, 334
802-211SR	172, 329	802-582C	258	805-007	170	8058-040CSR	269, 335	806-030BL	546	807-130SR	173, 329
802-212	171	802-582F	172	805-007C	256	8058-040SR	185, 331	806-030C	258	807-131	173
802-212C	257	802-621	172	805-007CSR	256, 334	8058-060	185	806-030LSCF	258	807-131C	259
802-212CSR	258, 334	802-621C	258	805-007SR	170, 329	8058-060C	269	806-030LSF	173	808-002	173
802-212SR	172, 329	802-621F	172	805-010	170	8058-060CSR	269, 336	806-040	172	808-002C	259
802-245CSR	258, 334	802-623	172	805-010C	256	8058-060SR	185, 331	806-040BL	546	808-003	173
802-245SR	172, 329	802-623C	258	805-010CSR	256, 334	8059-005	184	806-040C	258	808-003C	259
802-247	171	802-623F	172	805-010SR	170, 329	8059-005CSR	269, 335	806-040LSCF	258	808-003CSR	259, 334
802-247C	257	802-624	172	805-012	170	8059-005SR	184, 330	806-040LSF	173	808-003SR	173, 329
802-247CSR	258, 334	802-624C	258	805-012C	256	8059-007	184	806-045F	172	808-005	173
802-247SR	172, 329	802-624F	172	805-015	170	8059-007CSR	269, 335	806-050	172	808-005C	259
802-248	171	802-661	172	805-015C	256	8059-007SR	184, 330	806-050C	258	808-005CSR	259, 334
802-248C	257	802-661C	258	805-015CSR	256, 334	8059-010	184	806-050CF	258	808-005SR	173, 329
802-248CSR	258, 334	802-661F	172	805-015SR	170, 329	8059-010CSR	269, 335	806-050F	172	808-007	173
802-248SR	172, 329	802-663	172	805-020	170	8059-010SR	184, 330	806-060	172	808-007C	259
802-249	171	802-663C	258	805-020C	256	8059-012	184	806-060BL	546	808-007CSR	259, 334
802-249C	257	802-663F	172	805-020CSR	256, 334	8059-012CSR	269, 335	806-060C	258	808-007SR	173, 329
802-250	171	802-664	172	805-020SR	170, 329	8059-012SR	184, 330	806-060LSCF	258	808-010	173
802-250C	257	802-664C	258	805-025	170	8059-015	184	806-060LSF	173	808-010C	259
802-251	172	802-664F	172	805-025C	256	8059-015CSR	269, 335	806-080	172	808-010CSR	259, 334
802-251C	257	803-005CSR	289	805-030	170	8059-015SR	184, 330	806-080C	258	808-010SR	173, 329
802-287	172	803-005SR	210	805-030C	256	8059-020	184	806-080CF	258	808-012	173
802-287C	257	803-007CSR	289	805-040	170	8059-020CSR	269, 335	806-100	172	808-012C	259
802-287CSR	258, 334	803-007SR	210	805-040C	256	8059-020SR	184, 330	806-100C	258	808-012CSR	259, 334
802-287SR	172, 329	803-010CSR	289	805-060F	170	8059-025	184	806-100CF	258	808-012SR	173, 329
802-288	172	803-010SR	210	805-080F	170	8059-025CSR	269	806-100F	172	808-015	173
802-288C	257	803-095	172	8056-005	184	8059-025SR	184, 330	806-120	172	808-015C	259
802-289	172	803-095C	258	8056-005C	269	8059-030	184	806-120C	258	808-015CSR	259, 334
802-289C	257	803-095CSR	258, 289	8056-007	184	8059-030CSR	269, 335	806-120CF	258	808-015SR	173, 329
802-290	172		334	8056-007C	269	8059-030SR	184, 330	806-120F	172	808-020	173
802-290C	257	803-095SR	172, 210	8056-010	184	8059-040	184	806-140CF	258	808-020C	259
802-291	172		329	8056-010C	269	8059-040CSR	269, 335	806-140F	172	808-020CSR	259, 334
802-291C	257	803-113CSR	289	8056-012	184	8059-040SR	184, 330	806-160CF	258	808-020SR	173, 329
802-292	172	803-113SR	210	8056-012C	269	8059-060	184	806-160F	172	808-025	173
802-292C	257	803-122CSR	289	8056-015	184	8059-060CSR	269	806-180CF	258	808-025C	259
802-331CSR	258, 334	803-122SR	210	8056-015C	269	8059-060SR	184, 330	806-180F	172	808-030	173
802-331SR	172, 329	803-126CSR	289	8056-020	184	806-002	172	806-200CF	258	808-030C	259
802-333	172	803-126SR	210	8056-020C	269	806-002C	258	806-200F	172	808-040	173
802-333C	257	803-142CSR	289	8056-025	184	806-003	172	806-240CF	258	808-040C	259
802-333SR	172, 329	803-142SR	210	8056-025C	269	806-003C	258	806-240F	172	809-005	173
802-334	172	803-149CSR	289	8056-030	184	806-005	172	806-338	172	809-005C	259
802-334C	258	803-149SR	210	8056-030C	269	806-005BL	546	806-422	172		



Spears Part Number Index

809-012	173	8099-005	184	815-100CF	260	817-100	174	8170V-012BL	548	8171E-015	197
809-012C	259	8099-005CSR	269, 335	815-100F	174	817-100C	260	8170V-012C	280	8171E-015C	280
809-015	173	8099-005SR	184, 330	815-120CF	260	817-100CF	260	8170V-015	197	8171E-015CSR	281, 336
809-015C	259	8099-007	184	815-120F	174	817-100F	174	8170V-015BL	548	8171E-015SR	198, 331
809-020	173	8099-007CSR	269, 335	815-140CF	260	817-120	174	8170V-015C	280	8171E-020	197
809-020C	259	8099-007SR	184, 330	815-140F	174	817-120C	260	8170V-020	197	8171E-020C	280
809-025C	259	8099-010	184	815-160CF	260	817-120CF	260	8170V-020BL	548	8171E-020CSR	281, 336
809-030	173	8099-010CSR	269, 335	815-160F	174	817-120F	174	8170V-020C	280	8171E-020SR	198, 331
809-030C	259	8099-010SR	184, 330	815-180CF	260	817-140CF	260	8170V-025	197	8171E-025	197
809-040	173	8099-012	184	815-180F	174	817-140F	174	8170V-025C	280	8171E-025C	280
809-040C	259	8099-012CSR	269, 335	815-200F	174	817-160CF	260	8170V-030	197	8171E-025CSR	281, 336
809-060	173	8099-012SR	184, 330	815-240F	174	817-160F	174	8170V-030BL	548	8171E-025SR	198, 331
809-060C	259	8099-015	184	816-005	260	817-180CF	260	8170V-030C	280	8171E-030	197
809-080	173	8099-015CSR	269, 335	816-005C	260	817-180F	174	8170V-040	197	8171E-030C	280
809-080C	259	8099-015SR	184, 330	816-007	174	817-200CF	260	8170V-040BL	548	8171E-030CSR	281, 336
809-100	173	8099-020	184	816-007C	260	817-200F	260	8170V-040C	280	8171E-030SR	198, 331
809-100C	259	8099-020CSR	269, 335	816-010	174	817-240CF	260	8170V-060	197	8171E-040	197
809-120	173	8099-020SR	184, 330	816-010C	260	817-240F	174	8170V-060C	280	8171E-040C	280
809-120C	259	8099-025	184	816-012	174	8170-002	197	8170V-080	197	8171E-040CSR	281, 336
8096-005	184	8099-025CSR	269, 335	816-012C	260	8170-002C	280	8170V-080C	280	8171E-040SR	198, 331
8096-005C	269	8099-025SR	184, 330	816-015	174	8170-003	197	8171-002	197	8171E-060	197
8096-007	184	8099-030	184	816-015C	260	8170-003C	280	8171-002C	280	8171E-060C	280
8096-007C	269	8099-030CSR	269, 335	816-020	174	8170-005	197	8171-002CSR	281, 336	8171E-060CSR	281, 336
8096-010	184	8099-030SR	184, 330	816-020C	260	8170-005C	280	8171-002SR	198, 331	8171E-060SR	198, 331
8096-010C	269	8099-040	184	816-025	174	8170-007	197	8171-003	197	8171V-002	198
8096-012	184	8099-040CSR	269, 335	816-025C	260	8170-007C	280	8171-003C	280	8171V-002C	280
8096-012C	269	8099-040SR	184, 330	816-025CF	260	8170-010	197	8171-003CSR	281, 336	8171V-002CSR	281, 336
8096-015	184	8099-060	184	816-030	174	8170-010C	280	8171-003SR	198, 331	8171V-002SR	198, 331
8096-015C	269	8099-060CSR	269, 335	816-030C	260	8170-012	197	8171-005	197	8171V-003	198
8096-020	184	8099-060SR	184, 330	816-040	174	8170-012C	280	8171-005C	280	8171V-003C	280
8096-020C	269	811-005CF	261	816-040C	260	8170-015	197	8171-005CSR	281, 336	8171V-003CSR	281, 336
8096-025	184	811-005F	175	816-045F	174	8170-015C	280	8171-005SR	198, 331	8171V-003SR	198, 331
8096-025C	269	811-007CF	261	816-050F	174	8170-020	197	8171-007	197	8171V-005	198
8096-030	184	811-007F	175	816-060	175	8170-020C	280	8171-007C	280	8171V-005C	280
8096-030C	269	811-010CF	261	816-060C	260	8170-025	197	8171-007CSR	281, 336	8171V-005CSR	281, 336
8096-040	184	811-010F	175	816-060CF	260	8170-025C	280	8171-007SR	198, 331	8171V-005SR	198, 331
8096-040C	269	811-012CF	261	816-060F	175	8170-030	197	8171-010	197	8171V-007	198
8096-060	184	811-012F	175	816-080	175	8170-030C	280	8171-010C	280	8171V-007C	280
8096-060C	269	811-015	175	816-080C	260	8170-040	197	8171-010CSR	281, 336	8171V-007CSR	281, 336
8097-005	184	811-015C	261	816-080CF	260	8170-040C	280	8171-010SR	198, 331	8171V-007SR	198, 331
8097-007	184	811-020	175	816-080F	175	8170-060	197	8171-012	197	8171V-010	198
8097-010	184	811-020C	261	816-100CF	260	8170-060C	280	8171-012C	280	8171V-010C	280
8097-012	184	811-025CF	261	816-100F	175	8170-080	197	8171-012CSR	281, 336	8171V-010CSR	281, 336
8097-015	184	811-025F	175	816-120CF	260	8170-080C	280	8171-012SR	198, 331	8171V-010SR	198, 331
8097-020	184	811-030	175	816-120F	175	8170E-002	197	8171-015	197	8171V-012	198
8097-025	184	811-030C	261	816-140CF	260	8170E-002C	280	8171-015C	280	8171V-012C	280
8097-030	184	811-040	175	816-140F	175	8170E-003	197	8171-015CSR	281, 336	8171V-012CSR	281, 336
8097-030BL	548	811-040C	261	816-160CF	260	8170E-003C	280	8171-015SR	198, 331	8171V-012SR	198, 331
8097-040	184	811-045F	175	816-160F	175	8170E-005	197	8171-020	197	8171V-015	198
8097-040BL	548	811-050F	175	816-180CF	260	8170E-005BL	548	8171-020C	280	8171V-015C	280
8097-060	184	811-060CF	261	816-180F	175	8170E-005C	280	8171-020CSR	281, 336	8171V-015CSR	281, 336
8097-251W	32	811-060F	175	816-200F	175	8170E-007	197	8171-020SR	198, 331	8171V-015SR	198, 331
8098-005	185	811-080CF	261	816-240F	175	8170E-007BL	548	8171-025	197	8171V-020	198
8098-005C	269	811-080F	175	817-002	174	8170E-007C	280	8171-025C	280	8171V-020C	280
8098-005CSR	269, 336	811-100CF	261	817-002C	259	8170E-010	197	8171-025CSR	281, 336	8171V-020CSR	281, 336
8098-005SR	185, 330	811-100F	175	817-003	174	8170E-010BL	548	8171-025SR	198, 331	8171V-020SR	198, 331
8098-007	185	811-120CF	261	817-003C	259	8170E-010C	280	8171-030	197	8171V-025	198
8098-007C	269	811-120F	175	817-005	174	8170E-012	197	8171-030C	280	8171V-025C	280
8098-007CSR	269, 336	811-140CF	261	817-005BL	547	8170E-012BL	548	8171-030CSR	281, 336	8171V-025CSR	281, 336
8098-007SR	185, 330	811-140F	175	817-005C	259	8170E-012C	280	8171-030SR	198, 331	8171V-025SR	198, 331
8098-010	185	811-160CF	261	817-007	174	8170E-015	197	8171-040	197	8171V-030	198
8098-010C	269	811-160F	175	817-007BL	547	8170E-015BL	548	8171-040C	280	8171V-030C	280
8098-010CSR	269, 336	811-180CF	261	817-007C	259	8170E-015C	280	8171-040CSR	281, 336	8171V-030CSR	281, 336
8098-010SR	185, 330	811-180F	175	817-010	174	8170E-020	197	8171-040SR	198, 331	8171V-030SR	198, 331
8098-012	185	811-200F	175	817-010BL	547	8170E-020BL	548	8171-060	197	8171V-040	198
8098-012C	269	811-240F	175	817-010C	259	8170E-020C	280	8171-060C	280	8171V-040C	280
8098-012CSR	269, 336	812-002	173	817-012	174	8170E-025	197	8171-060CSR	281, 336	8171V-040CSR	281, 336
8098-012SR	185, 331	812-002C	259	817-012BL	547	8170E-025C	280	8171-060SR	198, 331	8171V-040SR	198, 331
8098-015	185	815-005CF	260	817-012C	260	8170E-030	197	8171E-002	197	8171V-060	198
8098-015C	269	815-005F	174	817-015	174	8170E-030BL	548	8171E-002C	280	8171V-060C	280
8098-015CSR	269, 336	815-007CF	260	817-015BL	547	8170E-030C	280	8171E-002CSR	281, 336	8171V-060CSR	281, 336
8098-015SR	185, 331	815-007F	174	817-015C	260	8170E-040	197	8171E-002SR	198, 331	8171V-060SR	198, 331
8098-020	185	815-010CF	260	817-020	174	8170E-040BL	548	8171E-003	197	8172-002	198
8098-020C	269	815-010F	174	817-020BL	547	8170E-040C	280	8171E-003C	280	8172-002C	281
8098-020CSR	269, 336	815-012CF	260	817-020C	260	8170E-060	197	8171E-003CSR	281, 336	8172-002CSR	281, 336
8098-020SR	185, 331	815-012F	174	817-025	174	8170E-060C	280	8171E-003SR	198, 331	8172-002SR	198, 331
8098-025	185	815-015CF	260	817-025C	260	8170E-080	197	8171E-005	197	8172-003	198
8098-025C	269	815-015F	174	817-030	174	8170E-080C	280	8171E-005C	280	8172-003C	281
8098-025CSR	269, 336	815-020CF	260	817-030BL	547	8170V-002	197	8171E-005CSR	281, 336	8172-003CSR	281, 336
8098-025SR	185, 331	815-020F	174	817-030C	260	8170V-002C	280	8171E-005SR	198, 331	8172-003SR	198, 331
8098-030	185	815-025CF	260	817-040	174	8170V-003	197	8171E-007	197	8172-005	198
8098-030C	269	815-025F	174	817-040BL	547	8170V-003C	280	8171E-007C	280	8172-005C	281
8098-030CSR	269, 336	815-030CF	260	817-040C	260	8170V-005	197	8171E-007CSR	281, 336	8172-005CSR	281, 336
8098-030SR	185, 331	815-030F	174	817-045F	174	8170V-005BL	548	8171E-007SR	198, 331	8172-005SR	198, 331
8098-040	185	815-040CF	260	817-050	174	8170V-005C	280	8171E-010	197	8172-007	198
8098-040C	269	815-040F	174	817-050C	260	8170V-007	197	8171E-010C	280	8172-007C	281
8098-040CSR	269, 336	815-045F	174	817-050F	174	8170V-007BL	548	8171E-010CSR	281, 336	8172-007CSR	281, 336
8098-040SR	185, 331	815-050F	174	817-060	174						

Spears Part Number Index



8172-012	198	8172V-003	198	819-002C	260	820-290C	262	820-788CF	263	826-005X6C	283, 508
8172-012C	281	8172V-003C	281	819-003	174	820-291	177	820-788F	177	826-007X12	201, 508
8172-012CSR	281, 336	8172V-003CSR	282, 337	819-003C	260	820-291C	262	820-790CF	263	826-007X12C	283, 508
8172-012SR	199, 331	8172V-003SR	199, 332	819-005	174	820-292	177	820-790F	177	826-007X6	508
8172-015	198	8172V-005	198	819-005C	260	820-292C	262	820-792CF	263	826-007X6C	283, 508
8172-015C	281	8172V-005C	281	819-007	174	820-335	177	820-792F	177	826-010X12	201, 508
8172-015CSR	281, 336	8172V-005CSR	282, 337	819-007C	260	820-335C	262	820-794CF	263	826-010X12C	283, 508
8172-015SR	199, 331	8172V-005SR	199, 332	819-007CSR	260, 334	820-336	177	820-794F	177	826-010X6	508
8172-020	198	8172V-007	198	819-007SR	174, 329	820-336C	262	820-796CF	263	826-010X6C	283, 508
8172-020C	281	8172V-007C	281	819-010	174	820-337	177	820-796F	177	826-012X12	201, 508
8172-020CSR	281, 336	8172V-007CSR	282, 337	819-010C	260	820-337C	262	820-814F	177	826-012X12C	283, 508
8172-020SR	199, 331	8172V-007SR	199, 332	819-012	174	820-338	177	820-816F	177	826-012X6	508
8172-025	198	8172V-010	198	819-012C	260	820-338C	262	820-818F	177	826-012X6C	283, 508
8172-025C	281	8172V-010C	281	819-015	174	820-339	177	820-820F	177	826-015X12	201, 508
8172-025CSR	281, 336	8172V-010CSR	282, 337	819-015C	260	820-339C	262	820-822F	177	826-015X12C	283, 508
8172-025SR	199, 331	8172V-010SR	199, 332	819-020	174	820-420	177	820-824F	177	826-015X6	508
8172-030	198	8172V-012	198	819-020C	260	820-420C	262	820-826F	177	826-015X6C	283, 508
8172-030C	281	8172V-012C	281	819-025	174	820-420CF	262	820-828F	177	826-020X12	201, 508
8172-030CSR	281, 337	8172V-012CSR	282, 337	819-025C	260	820-422	177	820-904F	177	826-020X12C	283, 508
8172-030SR	199, 332	8172V-012SR	199, 332	819-030	174	820-422C	262	820-906F	177	826-020X6	508
8172-040	198	8172V-015	198	819-030C	260	820-528CF	262	820-908F	177	826-020X6C	283, 508
8172-040C	281	8172V-015C	281	819-040	174	820-528F	177	820-910F	177	826-025X12	201, 508
8172-040CSR	281, 337	8172V-015CSR	282, 337	819-040C	260	820-530CF	262	820-912F	177	826-025X12C	283, 508
8172-040SR	199, 332	8172V-015SR	199, 332	820-002	177	820-530F	177	820-914F	177	826-025X6	508
8172-060	198	8172V-020	198	820-002C	262	820-532CF	262	820-916F	177	826-025X6C	283, 508
8172-060C	281	8172V-020C	281	820-005	177	820-532F	177	820-918F	177	826-030X12	201, 508
8172-060CSR	281, 337	8172V-020CSR	282, 337	820-005C	262	820-578CF	262	820-920F	177	826-030X12C	283, 508
8172-060SR	199, 332	8172V-020SR	199, 332	820-007	177	820-578F	177	8229-016	666	826-030X6	508
8172E-002	198	8172V-025	198	820-007C	262	820-580CF	262	8229-016C	666	826-030X6C	283, 508
8172E-002C	281	8172V-025C	281	820-010	177	820-580F	177	8229-020	666	826-040X12	201, 508
8172E-002CSR	281, 337	8172V-025CSR	282, 337	820-010C	262	820-582CF	262	8229-020C	666	826-040X12C	283, 508
8172E-002SR	199, 332	8172V-025SR	199, 332	820-012	177	820-582F	177	8229-025	666	826-040X6	508
8172E-003	198	8172V-030	198	820-012C	262	820-585CF	262	8229-025C	666	826-040X6C	283, 508
8172E-003C	281	8172V-030C	281	820-015	177	820-585F	177	8229-030	666	826-060X12	201, 508
8172E-003CSR	281, 337	8172V-030CSR	282, 337	820-015C	262	820-621CF	262	8229-030C	666	826-060X12C	283, 508
8172E-003SR	199, 332	8172V-030SR	199, 332	820-020	177	820-621F	177	8229-040	666	826-060X6	508
8172E-005	198	8172V-040	198	820-020C	262	820-622F	177	8229-040C	666	826-060X6C	283, 508
8172E-005C	281	8172V-040C	281	820-025	177	820-623CF	262	8229-050	666	826-080X12	201, 508
8172E-005CSR	281, 337	8172V-040CSR	282, 337	820-025C	262	820-623F	177	8229-050C	666	826-080X12C	283, 508
8172E-005SR	199, 332	8172V-040SR	199, 332	820-030	177	820-624CF	262	824-005CF	259	826-080X6	508, 524
8172E-007	198	8172V-060	198	820-030C	262	820-624F	177	824-005F	177	826-080X6C	283, 508
8172E-007C	281	8172V-060C	281	820-040	177	820-626CF	262	824-007CF	259	826-100X12	201, 508
8172E-007CSR	282, 337	8172V-060CSR	282, 337	820-040C	262	820-626F	177	824-007F	174	826-100X12C	283, 508
8172E-007SR	199, 332	8172V-060SR	199, 332	820-060CF	262	820-628CF	262	824-010CF	259	826-100X6	508, 524
8172E-010	198	8172VSA-010	197	820-060F	177	820-628F	177	824-010F	174	826-100X6C	283, 508
8172E-010C	281	8172VSA-010C	280	820-080CF	262	820-661CF	262	824-012CF	259	826-120X12	201, 508
8172E-010CSR	282, 337	8172VSA-020	197	820-080F	177	820-661F	177	824-012F	174	826-120X6	508, 524
8172E-010SR	199, 332	8172VSA-020C	280	820-100CF	262	820-663CF	262	824-015CF	259	826-120X6C	283, 508
8172E-012	198	8172VSA-030	197	820-100F	177	820-663F	177	824-015F	174	826-140X12	201, 508
8172E-012C	281	8172VSA-030C	280	820-101	177	820-664CF	262	824-020CF	259	826-140X6	508, 524
8172E-012CSR	282, 337	8173E-005	197	820-101C	262	820-664F	177	824-020F	174	827-005	174
8172E-012SR	199, 332	8173E-007	197	820-120CF	262	820-666CF	263	824-025CF	259	827-005C	260
8172E-015	198	8173E-010	197	820-120F	177	820-666F	177	824-025F	174	827-007	174
8172E-015C	281	8173E-015	197	820-130	177	820-668CF	263	824-030CF	259	827-007C	260
8172E-015CSR	282, 337	8173E-020	197	820-130C	262	820-668F	177	824-030F	174	827-010	174
8172E-015SR	199, 332	818-005CF	260	820-131	177	820-670CF	263	824-040CF	259	827-010C	260
8172E-020	198	818-005F	175	820-131C	262	820-670F	177	824-040F	174	827-012	174
8172E-020C	281	818-007CF	260	820-140CF	262	820-691CF	263	824-060CF	259	827-012C	260
8172E-020CSR	282, 337	818-007F	175	820-140F	177	820-691F	177	824-060F	174	827-015	174
8172E-020SR	199, 332	818-010CF	260	820-160CF	262	820-693CF	263	824-080CF	259	827-015C	260
8172E-025	198	818-010F	175	820-160F	177	820-693F	177	824-080F	174	827-020	174
8172E-025C	281	818-012CF	260	820-166	177	820-694CF	263	824-100CF	259	827-020C	260
8172E-025CSR	282, 337	818-012F	175	820-166C	262	820-694F	177	824-100F	174	827-025	174
8172E-025SR	199, 332	818-015CF	260	820-167	177	820-696CF	263	824-120CF	259	827-025C	260
8172E-030	198	818-015F	175	820-167C	262	820-696F	177	824-120F	174	827-030	174
8172E-030C	281	818-020CF	260	820-168	177	820-698CF	263	824-140CF	259	827-030C	260
8172E-030CSR	282, 337	818-020F	175	820-168C	262	820-698F	177	824-140F	174	827-040	174
8172E-030SR	199, 332	818-025CF	260	820-180CF	262	820-700CF	263	824-160CF	259	827-040C	260
8172E-040	198	818-025F	175	820-180F	177	820-700F	177	824-160F	174	827-050F	174
8172E-040C	281	818-030CF	261	820-200F	177	820-702CF	263	824-180CF	259	827-060	174
8172E-040CSR	282, 337	818-030F	175	820-209	177	820-702F	177	824-180F	174	827-060C	260
8172E-040SR	199, 332	818-040CF	261	820-209C	262	820-751CF	263	824-200F	174	827-080	174
8172E-060	198	818-040F	175	820-210	177	820-751F	177	824-240F	174	827-080C	260
8172E-060C	281	818-045F	175	820-210C	262	820-753CF	263	8257-016	187, 669	827-100	174
8172E-060CSR	282, 337	818-050F	175	820-211	177	820-753F	177	8257-020	187, 669	827-100C	260
8172E-060SR	199, 332	818-060CF	261	820-211C	262	820-754CF	263	8257-025	187, 669	827-120	174
8172ESA-010	197	818-060F	175	820-212	177	820-754F	177	8257-030	187, 669	827-120C	260
8172ESA-010C	280	818-080CF	261	820-212C	262	820-756CF	263	8257-040	187, 669	827-140CF	260
8172ESA-020	197	818-080F	175	820-240F	177	820-756F	177	8257-050	187, 669	827-140F	174
8172ESA-020C	280	818-100CF	261	820-247	177	820-758CF	263	8257-075	187, 669	827-160CF	260
8172ESA-030	197	818-100F	175	820-247C	262	820-758F	177	8257-100	187, 669	827-160F	174
8172ESA-030C	280	818-120CF	261	820-248	177	820-760F	177	8258-016	187, 669	827-180CF	260
8172SA-010	197	818-120F	175	820-248C	262	820-762CF	263	8258-020	187, 669	827-180F	174
8172SA-010C	280	818-140CF	261	820-249	177	820-762F	177	8258-025	187, 669	827-200F	174
8172SA-020	197	818-140F	175	820-249C	262	820-764CF	263	8258-030	187, 669	827-240F	174
8172SA-020C	280	818-160CF	261	820-250	177	820-764F	177	8258-040	187, 669	828-020F	180
8172SA-030	197	818-160F	175	820-250C	262	820-781CF	263	8258-050	669	828-030F	180
8172SA-030C	280	818-									



Spears Part Number Index

828-140F	180	829-211C	263	829-490F	178	829-696CF	264	8297-030	187, 669	833-120CF	263
828-160F	180	829-212	178	829-490FE	179	829-696CFE	264	8297-040	187, 669	833-120F	178
828-180F	180	829-212BL	547	829-491F	178	829-696F	178	8297-050	187, 669	835-002	180
828-200F	180	829-212C	263	829-528	178	829-696FE	179	8297-075	187, 669	835-002C	265
828-240F	180	829-212CFE	264	829-528C	264	829-698CF	264	8297-100	187, 669	835-002CESR	265, 334
829-002	177	829-212FE	179	829-528CFE	264	829-698CFE	264	8298-016	186, 669	835-002CSR	265, 334
829-002C	263	829-240CF	263	829-528FE	179	829-698F	179	8298-020	186, 669	835-002ESR	180, 329
829-003	177	829-240F	178	829-529	178	829-698FE	179	8298-025	186, 669	835-002SR	180, 329
829-003C	263	829-247	178	829-529C	264	829-700CF	264	8298-030	186, 669	835-003	180
829-005	177	829-247C	263	829-529CFE	264	829-700CFE	264	8298-040	186, 669	835-003C	265
829-005BL	547	829-248	178	829-529FE	179	829-700F	179	8298-050	186, 669	835-003CESR	265, 335
829-005C	263	829-248C	263	829-530	178	829-700FE	179	8298-075	186, 669	835-003CSR	265, 334
829-007	177	829-249	178	829-530C	264	829-702CF	264	8298-100	186, 669	835-003ESR	180, 330
829-007BL	547	829-249BL	547	829-530CFE	264	829-702CFE	264	830-002	178	835-003SR	180, 329
829-007C	263	829-249C	263	829-530F	178	829-702F	179	830-002C	263	835-005	180
829-010	177	829-249CFE	264	829-530FE	179	829-702FE	179	830-003	178	835-005BR	180, 333
829-010BL	547	829-249FE	179	829-532	178	829-754CF	264	830-003C	263	835-005C	265
829-010C	263	829-250	178	829-532BL	547	829-754F	179	830-005	178	835-005CBR	265, 338
829-012	177	829-250C	263	829-532C	264	829-756CF	264	830-005C	263	835-005CESR	265, 335
829-012BL	547	829-250CFE	264	829-532CFE	264	829-756CFE	264	830-005CSR	263, 334	835-005CSR	265, 334
829-012C	263	829-250FE	179	829-532FE	179	829-756F	179	830-005SR	178, 329	835-005CSS	265, 338
829-015	177	829-251	178	829-533F	178	829-756FE	179	830-007	178	835-005ESR	180, 330
829-015BL	547	829-251BL	547	829-533FE	179	829-758CF	264	830-007C	263	835-005SR	180, 329
829-015C	263	829-251C	263	829-534F	178	829-758CFE	264	830-007CSR	263, 334	835-005SRBL	547
829-020	178	829-251CFE	264	829-575FE	179	829-758F	179	830-007SR	178, 329	835-005SS	181, 333
829-020BL	547	829-251FE	179	829-577FE	179	829-758FE	179	830-010	178	835-007	180
829-020C	263	829-290CFE	264	829-578CFE	264	829-760CF	264	830-010C	263	835-007BR	180, 333
829-025	178	829-290FE	179	829-578FE	179	829-760CFE	264	830-010CSR	263, 334	835-007C	265
829-025C	263	829-291	178	829-579F	178	829-760F	179	830-010SR	178, 329	835-007CBR	265, 338
829-030	178	829-291C	263	829-580CF	264	829-760FE	179	830-012	178	835-007CESR	265, 335
829-030BL	547	829-291CFE	264	829-580CFE	264	829-762CF	264	830-012C	263	835-007CSR	265, 334
829-030C	263	829-291FE	179	829-580F	178	829-762CFE	264	830-012CSR	263, 334	835-007CSS	265, 338
829-040	178	829-292	178	829-580FE	179	829-762F	179	830-012SR	178, 329	835-007ESR	180, 330
829-040BL	547	829-292C	263	829-582C	264	829-762FE	179	830-015	178	835-007SR	180, 329
829-040C	263	829-292CFE	264	829-582CF	264	829-764CF	264	830-015C	263	835-007SRBL	547
829-050	178	829-292FE	179	829-582CFE	264	829-764CFE	264	830-015CSR	263, 334	835-007SS	181, 333
829-050C	263	829-335	178	829-582F	178	829-764F	179	830-015SR	178, 329	835-010	180
829-050F	178	829-335C	263	829-582FE	179	829-764FE	179	830-020	178	835-010BR	180, 333
829-060	178	829-335CFE	264	829-583CFE	264	829-783CF	264	830-020C	263	835-010C	265
829-060BL	547	829-335FE	179	829-583F	178	829-783F	179	830-020CSR	263, 334	835-010CBR	265, 338
829-060C	263	829-336	178	829-583FE	179	829-784CF	264	830-020SR	178, 329	835-010CESR	265, 335
829-080	178	829-336C	263	829-585	178	829-784F	179	830-025	178	835-010CSR	265, 334
829-080C	263	829-336CFE	264	829-585C	264	829-786CF	264	830-025C	263	835-010CSS	265, 338
829-100	178	829-336FE	179	829-585CFE	264	829-786CFE	264	830-030	178	835-010ESR	180, 330
829-100C	263	829-337	178	829-585FE	179	829-786F	179	830-030C	263	835-010SR	180, 329
829-100F	178	829-337C	263	829-621CF	264	829-786FE	179	830-040	178	835-010SRBL	547
829-101	178	829-337CFE	264	829-621F	178	829-788CF	264	830-040C	263	835-010SS	181, 333
829-101BL	547	829-337FE	179	829-623CF	264	829-788CFE	264	830-060CF	263	835-012	180
829-101C	263	829-338	178	829-623F	178	829-788F	179	830-060F	178	835-012BR	180, 333
829-101CFE	264	829-338BL	547	829-624CF	264	829-788FE	179	830-080F	178	835-012C	265
829-101FE	179	829-338C	263	829-624CFE	264	829-790CF	264	830-100F	178	835-012CBR	265, 338
829-120	178	829-338CFE	264	829-624F	178	829-790CFE	264	830-101	179	835-012CESR	265, 335
829-120C	263	829-338E	179	829-624FE	179	829-790F	179	830-101C	264	835-012CSR	265, 334
829-120F	178	829-338FE	179	829-625CF	264	829-790FE	179	830-101CSR	265, 334	835-012CSS	265, 338
829-130	178	829-339	178	829-625CFE	264	829-792CF	264	830-101SR	179, 329	835-012ESR	180, 330
829-130C	263	829-339C	263	829-625F	178	829-792CFE	264	830-130CSR	265, 334	835-012SR	180, 329
829-130CFE	264	829-339CF	263	829-625FE	179	829-792F	179	830-130SR	179, 329	835-012SRBL	547
829-130FE	179	829-339CFE	264	829-626	178	829-792FE	179	830-131CSR	265, 334	835-012SS	181, 333
829-131	178	829-339F	178	829-626C	264	829-794CF	264	830-131SR	179, 329	835-015	180
829-131BL	547	829-339FE	179	829-626CF	264	829-794CFE	264	830-168CSR	265, 334	835-015BR	180, 333
829-131C	263	829-416	178	829-626CFE	264	829-794F	179	830-168SR	179, 329	835-015C	265
829-131CFE	264	829-416C	263	829-626F	178	829-794FE	179	830-210CSR	265, 334	835-015CBR	265, 338
829-131FE	179	829-417	178	829-626FE	179	829-796CF	264	830-210SR	179, 329	835-015CESR	265, 335
829-140	178	829-417C	263	829-628	178	829-796CFE	264	830-211	179	835-015CSR	265, 334
829-140C	263	829-417CFE	264	829-628C	264	829-796F	179	830-211CSR	265, 334	835-015CSS	265, 338
829-140CF	263	829-417FE	179	829-628CF	264	829-796FE	179	830-211SR	180, 329	835-015ESR	180, 330
829-140F	178	829-418CFE	264	829-628CFE	264	829-814F	179	830-212CSR	265, 334	835-015SR	180, 329
829-160CF	263	829-418FE	179	829-628FE	179	829-816F	179	830-212SR	180, 329	835-015SRBL	547
829-160F	178	829-419	178	829-663F	178	829-818CF	264	830-249CSR	265, 334	835-015SS	181, 333
829-166	178	829-419C	263	829-664CF	264	829-818F	179	830-249SR	180, 329	835-020	180
829-166C	263	829-419CFE	264	829-664CFE	264	829-820F	179	830-251CSR	265, 334	835-020BR	180, 333
829-167	178	829-419FE	179	829-664F	178	829-822F	179	830-251SR	180, 329	835-020C	265
829-167C	263	829-420	178	829-664FE	179	829-824F	179	833-012	178	835-020CBR	265, 338
829-168	178	829-420BL	547	829-665CF	264	829-826CF	264	833-012C	263	835-020CESR	265, 335
829-168BL	547	829-420C	263	829-665F	178	829-826F	179	833-015	178	835-020CSR	265, 334
829-168C	263	829-420CFE	264	829-666CF	264	829-828CF	264	833-015C	263	835-020CSS	265, 338
829-168CFE	264	829-420FE	179	829-666CFE	264	829-828F	179	833-020	178	835-020ESR	180, 330
829-168FE	179	829-421	178	829-666F	178	829-904F	179	833-020C	263	835-020SR	180, 329
829-180CF	263	829-421C	263	829-666FE	179	829-906CF	264	833-025	178	835-020SRBL	547
829-180F	178	829-421CFE	264	829-668	178	829-906F	179	833-025C	263	835-020SS	181, 333
829-200CF	263	829-421FE	179	829-668C	264	829-908F	179	833-030	178	835-025	180
829-200F	178	829-422	178	829-668CF	264	829-910F	179	833-030C	263	835-025C	265
829-209	178	829-422BL	547	829-668CFE	264	829-912F	179	833-040	178	835-025CSR	265, 334
829-209C	263	829-422C	263	829-668F	178	829-914F	179	833-040C	263	835-025SR	180, 329
829-209CFE	264	829-422CFE	264	829-668FE	179	829-916F	179	833-050CF	263	835-030	180
829-209FE	179	829-422FE	179	829-670CF	264	829-918CF	264	833-050F	178	835-030C	265
829-210	178	829-460F	178	829-670CFE	264	829-918F	179	833-060	178	835-030CSR	265, 334
829-210C	263	829-487F	178	829-670F	178	829-920CF	264	833-060C	263	835-030SR	180, 329
829-210CFE	264	829-488CF	263	829-670FE	179	829-920F	179	833-080CF	263	835-030SRBL	547
829-210FE	179	829-488F	178	829-691F	178	8297-016	187, 669	833-080F	178	835-040	180
829-211	178	829-490CF	263	829-694CF	264</						

Spears Part Number Index



835-040SR	180, 329	836-060CF	266	837-422BL	547	837-824F	182	838-291C	267	839-249SR	181, 330
835-040SRBL	547	836-080CF	266	837-422C	266	837-826F	182	838-292	182	839-250	181
835-060	180	836-080F	181	837-486	182	837-828F	182	838-292C	267	839-250C	266
835-060C	265	836-100CF	266	837-488	182	837-906F	182	838-334	182	839-251	181
835-060CF	265	836-100F	181	837-490	182	837-908F	182	838-334C	267	839-251C	266
835-060CSR	265, 334	836-102	181	837-490C	267	837-910F	182	838-334CSR	267, 335	839-292	181
835-060F	180	836-120CF	266	837-490F	182	837-912F	182	838-334SR	183, 330	839-292C	266
835-060SR	180, 329	836-120F	181	837-524	182	837-914F	182	838-335	182	839-337	181
835-074CSR	265, 335	836-131	181	837-525	182	837-916F	182	838-335C	267	839-337C	266
835-074SR	181, 330	836-131C	266	837-526	182	837-918F	182	838-335CSR	267, 335	839-338	181
835-080	180	837-052	181	837-527	182	837-920F	182	838-335SR	183, 330	839-338C	266
835-080C	265	837-052C	266	837-528	182	838-052	182	838-336	182	839-339	181
835-080CF	265	837-072	181	837-528C	267	838-052C	267	838-336C	267	839-339C	266
835-080F	180	837-072C	266	837-529	182	838-071	182	838-336CSR	267, 335	839-420	181
835-100CF	265	837-073	181	837-529C	267	838-071C	267	838-336SR	183, 330	839-420C	266
835-100F	180	837-073C	266	837-530	182	838-072	182	838-337	182	839-420CSR	266, 335
835-101BR	180, 333	837-101	181	837-530C	267	838-072BL	547	838-337C	267	839-420SR	181, 330
835-101CBR	265	837-101BL	547	837-532	182	838-072C	267	838-337CSR	267, 335	839-422	181
835-101CSR	265, 335	837-101C	266	837-532BL	547	838-073	182	838-337SR	183, 330	839-422C	266
835-101SR	181, 330	837-129	181	837-532C	267	838-073BL	547	838-338	183	839-530C	266
835-102CSR	265, 335	837-129C	266	837-533F	182	838-073C	267	838-338C	267	839-532C	266
835-102SR	181, 330	837-130	181	837-534	182	838-098	182	838-339	183	8398-005	187, 670
835-120CF	265	837-130BL	547	837-577	182	838-098BL	547	838-339C	267	8398-007	187, 670
835-120F	180	837-130C	266	837-578	182	838-098C	267	838-419	183	8398-010	187, 670
835-130CSR	265, 335	837-131	181	837-578C	267	838-099	182	838-420	183	8398-012	187, 670
835-130SR	181, 330	837-131BL	547	837-580	182	838-099C	267	838-420C	267	8398-015	187, 670
835-131CSR	265, 335	837-131C	266	837-580C	267	838-101	182	838-421	183	8398-020	187, 670
835-131SR	181, 330	837-166	181	837-582	182	838-101BL	547	838-421C	267	8398-030	187, 670
8358-005	187, 669	837-166BL	547	837-582C	267	838-101C	267	838-422	183	8398-040	187, 670
8358-007	187, 669	837-166C	266	837-583	182	838-127	182	838-422C	267	8399-005	187, 670
8358-010	187, 669	837-167	181	837-583F	182	838-128CSR	267, 335	838-528	183	8399-007	187, 670
8358-012	187, 669	837-167C	266	837-585	182	838-128SR	183, 330	838-528CSR	267, 335	8399-010	187, 670
8358-015	187, 669	837-168	181	837-585C	267	838-129	182	838-528SR	183, 330	8399-012	187, 670
8358-020	187, 669	837-168BL	547	837-621	182	838-129BL	547	838-530	183	8399-015	187, 670
8358-030	187, 669	837-168C	266	837-621C	267	838-129C	267	838-530C	267	8399-020	187, 670
8358-040	187, 669	837-209	181	837-622	182	838-130	182	838-530CSR	267, 335	8399-030	187, 670
8359-005	186, 669	837-209C	266	837-623	182	838-130BL	547	838-530SR	183, 330	8399-040	187, 670
8359-007	186, 669	837-210	181	837-623C	267	838-130C	267	838-532	183	842-005	175
8359-010	186, 669	837-210BL	547	837-624	182	838-131	182	838-532C	267	842-005C	260
8359-012	186, 669	837-210C	266	837-624C	267	838-131BL	547	838-532SR	183, 330	842-007	175
8359-015	186, 669	837-211	181	837-625F	182	838-131C	267	839-041	181	842-007C	260
8359-020	186, 669	837-211BL	547	837-626	182	838-166	182	839-041C	266	842-010	175
8359-030	186, 669	837-211C	266	837-626C	267	838-166C	267	839-052	181	842-010C	260
8359-040	186, 669	837-212	181	837-628	182	838-166SR	183, 330	839-052C	266	842-012	175
836-005	181	837-212BL	547	837-628C	267	838-167	182	839-072	181	842-012C	260
836-005BL	547	837-212C	266	837-628CF	267	838-167C	267	839-072C	266	842-015	175
836-005BR	180, 333	837-247	181	837-628F	182	838-168	182	839-073	181	842-015C	260
836-005C	266	837-247C	266	837-663	182	838-168C	267	839-073C	266	842-020	175
836-005CBR	265, 338	837-248	181	837-663CF	267	838-206	182	839-098	181	842-020C	260
836-005CR	266, 335	837-248C	266	837-664	182	838-207	182	839-098C	266	842-025	175
836-005R	181, 330	837-249	181	837-664C	267	838-207C	267	839-099	181	842-025C	260
836-007	181	837-249BL	547	837-666	182	838-207CSR	267, 335	839-099C	266	842-030	175
836-007BL	547	837-249C	266	837-666CF	267	838-207SR	183, 330	839-101	181	842-030C	260
836-007BR	180, 333	837-250	181	837-666F	182	838-209	182	839-101C	266	842-040	175
836-007C	266	837-250C	266	837-668	182	838-209C	267	839-128	181	842-040C	260
836-007CBR	265, 338	837-251	181	837-668C	267	838-209CSR	267, 335	839-128C	266	842-040F	175
836-007CR	266, 335	837-251BL	547	837-668F	182	838-209SR	183, 330	839-128SR	181, 330	842-060	175
836-007R	181, 330	837-251C	266	837-670	182	838-210	182	839-129	181	842-060C	260
836-010	181	837-287	182	837-670CF	267	838-210BL	547	839-129C	266	842-060F	175
836-010BL	547	837-288	182	837-670F	182	838-210C	267	839-130	181	842-080	175
836-010BR	180, 333	837-289	182	837-694F	182	838-210CSR	267, 335	839-130C	266	842-080C	260
836-010C	266	837-289C	266	837-696CF	267	838-210SR	183, 330	839-131	181	842-080F	175
836-010CBR	265, 338	837-290	182	837-696F	182	838-211	182	839-131C	266	842-100CF	260
836-010CR	266, 335	837-290C	266	837-698CF	267	838-211BL	547	839-166	181	842-100F	175
836-010R	181, 330	837-291	182	837-698F	182	838-211C	267	839-166C	266	842-120CF	260
836-012	181	837-291C	266	837-700CF	267	838-212	182	839-167	181	842-120F	175
836-012BL	547	837-292	182	837-700F	182	838-212C	267	839-167C	266	844-005	170
836-012BR	180, 333	837-292C	266	837-702CF	267	838-247	182	839-168	181	844-005C	256
836-012C	266	837-333	182	837-702F	182	838-247C	267	839-168C	266	844-007	170
836-012CBR	265, 338	837-334	182	837-754F	182	838-247CSR	267, 335	839-209	181	844-007C	256
836-015	181	837-334C	266	837-756CF	267	838-247SR	183, 330	839-209C	266	844-010	170
836-015BL	547	837-335	182	837-756F	182	838-248	182	839-209CSR	266, 335	844-010C	256
836-015BR	180, 333	837-335C	266	837-758CF	267	838-248C	267	839-209SR	181, 330	844-012	170
836-015C	266	837-336	182	837-758F	182	838-248CSR	267, 335	839-210	181	844-012C	256
836-015CBR	265, 338	837-336C	266	837-760CF	267	838-248SR	183, 330	839-210C	266	844-015	170
836-020	181	837-337	182	837-760F	182	838-249	182	839-210CSR	266, 335	844-015C	256
836-020BL	547	837-337C	266	837-762CF	267	838-249C	267	839-210SR	181, 330	844-020	170
836-020BR	180, 333	837-338	182	837-762F	182	838-249CSR	267, 335	839-211	181	844-020C	256
836-020C	266	837-338BL	547	837-764CF	267	838-249SR	183, 330	839-211C	266	847-002	183
836-020CBR	265, 338	837-338C	266	837-764F	182	838-250	182	839-212	181	847-002C	267
836-025	181	837-339	182	837-786F	182	838-250C	267	839-212C	266	847-003	183
836-025C	266	837-339C	266	837-788CF	267	838-251	182	839-247	181	847-003C	267
836-030	181	837-415	182	837-788F	182	838-251C	267	839-247C	266	847-005	183
836-030BL	547	837-416	182	837-790F	182	838-287	182	839-247CSR	266, 335	847-005BL	547
836-030C	266	837-417	182	837-792F	182	838-287C	267	839-247SR	181, 330	847-005C	267
836-040	181	837-418	182	837-794F	182	838-288	182	839-248	181	847-007	183
836-040BL	547	837-419	182	837-796CF	267	838-288C	267	839-248C	266	847-007BL	547
836-040C	266	837-420	182	837-796F	182	838-289	182	839-248CSR	266, 335	847-007C	267
836-050F	181	837-420C	266	837-816F	182	838-289C	267	839-248SR	181, 330	847-010	183
836-053	181	837-421	182	837-818F	182	838-290	182	839-249	181	847-010BL	547
836-060	181	837-421C	266	837-820F	182	838-290C	267	839-249C	266	847-010C	267



Spears Part Number Index

847-012BL	547	850-002	183	852-025	70, 202	854-025C	284	854P-080	70, 202	857-005C	269
847-012C	267	850-002C	268	852-025C	284	854-025CL300	71, 202	854P-080-1S	204	857-007	185
847-015	183	850-003	183	852-025CSR	285, 336	854-025CL300C	284	854P-100	70, 202	857-007BL	548
847-015BL	547	850-003C	268	852-025SR	70, 202	854-030	71, 202	854P-100-1S	204	857-007C	269
847-015C	267	850-005	183		331	854-030-1S	204	854P-120	70, 202	857-010	185
847-020	183	850-005C	268	852-030	70, 202	854-030-1SC	285	854P-120-1S	204	857-010BL	548
847-020BL	547	850-007	183	852-030C	284	854-030BL	548	854P-140	70, 202	857-010C	270
847-020C	267	850-007C	268	852-030CSR	285, 336	854-030C	284, 556	854P-140-1S	204	857-012	185
847-025	183	850-010	183	852-030SR	70, 202	854-030CL300	71, 202	854P-160	70, 202	857-012BL	548
847-025C	267	850-010C	268		331	854-030CL300C	284	854P-160-1S	204	857-012C	270
847-030	183	850-012	183	852-040	70, 202	854-030DE	667	854P-180	70, 202	857-015	185
847-030BL	547	850-012C	268	852-040C	284	854-030DIN	667	854P-180-1S	204	857-015BL	548
847-030C	267	850-015	183	852-040CSR	285, 336	854-040	71, 202	854P-200-1S	204	857-015C	270
847-040	183	850-015C	268	852-040SR	70, 202	854-040-1S	204	854P-240-1S	204	857-020	185
847-040BL	547	850-020	183		331	854-040-1SC	285	855-005	72, 203	857-020BL	548
847-040C	267	850-020C	268	852-060F	70, 202	854-040BL	548	855-005C	285	857-020C	270
847-050F	183	850-025	183	852-080F	70, 202	854-040C	284, 556	855-007	72, 203	857-025	185
847-060	183	850-025C	268	853-005	70, 202	854-040CL300	71, 202	855-007C	285	857-025C	270
847-060BL	547	850-030	183	853-005C	284	854-040CL300C	284	855-010	72, 203	857-030	185
847-060C	267	850-030C	268	853-007	70, 202	854-040DE	667	855-010C	285	857-030C	270
847-080	183	850-040	183	853-007C	284	854-040DIN	667	855-012	72, 204	857-040	185
847-080C	267	850-040C	268	853-010	70, 202	854-050	71, 202	855-012C	285	857-040C	270
847-100CF	267	850-060	183	853-010C	284	854-050-1S	204	855-015	72, 204	858-002	185
847-100F	183	850-060C	268	853-012	70, 202	854-050-1SC	285	855-015C	285	858-002C	269
847-120CF	267	850-060CF	268	853-012C	284	854-050C	284	855-020	72, 204	858-003	185
847-120F	183	850-080CF	268	853-015	70, 202	854-060	71, 202	855-020C	285	858-003C	269
847-140CF	267	850-080F	183	853-015C	284	854-060-1S	204	855-025	72, 204	858-005	186
847-140F	183	850-100CF	268	853-020	70, 202	854-060-1SC	285	855-025C	285	858-005C	270
847-160CF	267	850-100F	183	853-020C	284	854-060BL	548	855-030	72, 204	858-007	186
847-160F	183	850-120CF	268	853-025	70, 202	854-060C	284, 556	855-030C	285	858-007C	270
847-180F	183	850-120F	183	853-025C	284	854-060CL300	71, 202	855-040	72, 204	858-010	186
847-200F	183	851-003	70, 201	853-030	70, 202	854-060CL300C	284	855-040C	285	858-010C	270
847-240F	183	851-005C	284	853-030C	284	854-080	71, 202	855-060	72, 204	858-012	186
848-002	183	851-007	70, 201	853-040	70, 202	854-080-1S	204	855-060C	285	858-012C	270
848-002C	267	851-007C	284	853-040C	284	854-080-1SC	285	855-060F	72, 204	858-015	186
848-002CSR	268, 335	851-010	70, 201	853-050F	70, 202	854-080C	284, 556	855-080	72, 204	858-015C	270
848-002SR	183, 330	851-010C	284	853-060	70, 202	854-080CL300	71, 202	855-080C	285	858-020	186
848-003	183	851-012	70, 201	853-060C	284	854-080CL300C	284	855-080CF	285	858-020C	270
848-003C	267	851-012C	284	853-080	70, 202	854-100	71, 202	855-080F	72, 204	858-025	186
848-003CSR	268, 335	851-015	70, 201	853-080C	284	854-100-1S	204	855-100F	72, 204	858-025C	270
848-003SR	183, 330	851-015C	284	853-100	70, 202	854-100-1SC	285	856-005	71, 203	858-030	186
848-005	183	851-020	70, 201	853-100C	284	854-100C	284, 556	856-005C	284	858-030C	270
848-005C	267	851-020C	284	853-120	70, 202	854-100CL300	71, 202	856-007	71, 203	858-040	186
848-005SR	183, 330	851-025	70, 201	853-120C	284	854-100CL300C	284	856-007C	284	858-040C	270
848-007	183	851-025C	284	853-140CF	284	854-120	71, 202	856-010	71, 203	859-002	184
848-007C	267	851-030	70, 201	853-140F	70, 202	854-120-1S	204	856-010C	284	859-002CSR	270, 336
848-007CSR	268, 335	851-030C	284	853-160CF	284	854-120-1SC	285	856-012	71, 203	859-003	184
848-007SR	183, 330	851-040	70, 201	853-160F	70, 202	854-120C	284, 556	856-012C	284	859-003CSR	270, 336
848-010	183	851-040C	284	853-180CF	284	854-120CL300	71, 202	856-015	71, 203	859-005	185
848-010C	267	851-050	70, 201	853-180F	70, 202	854-120CL300C	284	856-015C	284	859-005C	270
848-012	183	851-050C	284	853-200CF	284	854-140	71, 202	856-020	71, 203	859-005CSR	270, 336
848-012C	267	851-060	70, 201	853-200F	70, 202	854-140-1S	204	856-020C	284	859-005SR	185, 331
848-015	183	851-060C	284	853-240CF	284	854-140-1SC	285	856-025	71, 203	859-007	185
848-015C	267	851-080	70, 201	853-240F	70, 202	854-140C	284, 556	856-025C	284	859-007BR	186, 333
848-020	183	851-080C	284	854-005	70, 202	854-140CL300	71, 202	856-030	71, 203	859-007C	270
848-020C	267	851-100F	70, 201	854-005-1SC	285	854-140CL300C	284	856-030C	284	859-007CBR	270, 338
848-025	183	851-120F	70, 201	854-005BL	548	854-160	71, 202	856-030DE	667	859-007CSR	270, 336
848-025C	267	851-140F	70, 201	854-005C	284	854-160-1S	204	856-030DIN	667	859-007SR	185, 331
848-030	183	851-160F	70, 201	854-005CL300	71, 202	854-160-1SC	285	856-040	71, 203	859-010	185
848-030C	267	851-180F	70, 202	854-005CL300C	284	854-160C	284, 556	856-040C	284	859-010BR	186, 333
848-030CSR	268, 335	851-200F	70, 202	854-007	70, 202	854-160CL300	71, 203	856-040DE	667	859-010C	270
848-030SR	183, 330	851-240F	70, 202	854-007-1SC	285	854-160CL300C	285	856-040DIN	667	859-010CBR	270, 338
848-040	183	852-005	70, 202	854-007BL	548	854-180	71, 202	856-060	71, 203	859-010CSR	270, 336
848-040C	267	852-005C	284	854-007C	284	854-180-1S	204	856-060C	284	859-010SR	185, 331
848-060F	183	852-005CSR	285, 336	854-007CL300	71, 202	854-180-1SC	285	856-080	71, 203	859-012	185
848-080F	183	852-005SR	70, 202	854-007CL300C	284	854-180C	284	856-080C	284	859-012BR	186, 333
849-005	183		331	854-010	70, 202	854-180CL300	71, 203	856-100	71, 203	859-012C	270
849-005C	268	852-007	70, 202	854-010-1SC	285	854-180FP	70, 202	856-100C	284	859-012CBR	270, 338
849-007	183	852-007C	284	854-010BL	548	854-180FS	71, 203	856-120	71, 203	859-012CSR	270, 336
849-007C	268	852-007CSR	285, 336	854-010C	284	854-200-1SC	285	856-120C	284	859-012SR	185, 331
849-010	183	852-007SR	70, 202	854-010CL300	71, 202	854-200CL300	71, 203	856-140CF	284	859-015	185
849-010C	268		331	854-010CL300C	284	854-200FP	71, 202	856-140FP	71, 203	859-015BR	186, 333
849-012	183	852-010	70, 202	854-012	70, 202	854-200FS	71, 203	856-140FS	71, 203	859-015C	270
849-012C	268	852-010C	284	854-012-1SC	285	854-240-1SC	285	856-160CF	284	859-015CBR	270, 338
849-015	183	852-010CSR	285, 336	854-012BL	548	854-240CL300	71, 203	856-160FP	71, 203	859-015CSR	270, 336
849-015C	268	852-010SR	70, 202	854-012C	284	854-240FP	71, 202	856-160FS	71, 203	859-015SR	185, 331
849-020	183		331	854-012CL300	71, 202	854-240FS	71, 203	856-180FP	71, 203	859-020	185
849-020C	268	852-012	70, 202	854-012CL300C	284	854P-005-1S	204	856-180FS	71, 203	859-020BR	186, 333
849-025CF	268	852-012C	284	854-015	70, 202	854P-007-1S	204	856-200FP	71, 203	859-020C	270
849-025F	183	852-012CSR	285, 336	854-015-1SC	285	854P-010-1S	204	856-200FS	71, 203	859-020CBR	270, 338
849-030CF	268	852-012SR	70, 202	854-015BL	548	854P-012-1S	204	856-240FP	71, 203	859-020CSR	270, 336
849-030F	183		331	854-015C	284, 556	854P-015-1S	204	856-240FS	71, 203	859-020SR	186, 331
849-040CF	268	852-015	70, 202	854-015CL300	71, 202	854P-020-1S	204	856P-030	71, 203	859-025	185
849-040F	183	852-015C	284	854-015CL300C	284	854P-025-1S	204	856P-040	71, 203	859-025C	270
849-060CF	268	852-015CSR	285, 336	854-020	70, 202	854P-030	70, 202	856P-060	71, 203	859-030	185
849-060F	183	852-015SR	70, 202	854-020-1SC	285	854P-030-1S	204	856P-080	71, 203	859-030C	270
849-080CF	268		331	854-020BL	548	854P-040	70, 202	856P-100	71, 203	859-030CSR	270, 336
849-080F	183	852-020	70, 202	854-020C	284, 556	854P-040-1S	204	856P-120	71, 203	859-0	

Spears Part Number Index



861-005	181	866-527	189	866S-529C	274	866SV-573C	273	866V-576C	273	867-579SR	191
861-005C	266	866-527C	273	866S-530	190	866SV-574	189	866V-577	189	867-580CSR	275
861-007	181	866-528	189	866S-530C	274	866SV-574C	273	866V-577C	273	867-580SR	191
861-007C	266	866-528C	273	866S-532	190	866SV-575	189	866V-578	189	867-582CSR	275
861-010	181	866-529	189	866S-532C	274	866SV-575C	273	866V-578C	273	867-582SR	191
861-010C	266	866-529C	273	866S-573	190	866SV-576	189	866V-579	189	867-585CSR	275
861-012	181	866-530	189	866S-573C	274	866SV-576C	273	866V-579C	273	867-585SR	191
861-012C	266	866-530C	273	866S-574	190	866SV-577	189	866V-580	189	867-624CSR	275
861-015	181	866-532	189	866S-574C	274	866SV-577C	273	866V-580C	273	867-624SR	191
861-015C	266	866-532C	273	866S-575	190	866SV-578	189	866V-582	189	867-626CSR	275
861-020	181	866-573	189	866S-575C	274	866SV-578C	273	866V-582C	273	867-626SR	191
861-020C	266	866-573C	273	866S-576	190	866SV-579	189	866V-585	189	867-664CSR	275
861-131	181	866-574	189	866S-576C	274	866SV-579C	273	866V-585C	273	867-664SR	191
861-131C	266	866-574C	273	866S-577	190	866SV-580	189	866V-624	189	867-666CSR	275
8622-015	407, 446	866-575	189	866S-577C	274	866SV-580C	273	866V-624C	273	867-666SR	191
8622-020	407, 446	866-575C	273	866S-578	190	866SV-582	189	866V-626	189	867S-245CSR	275
865-419	29, 85	866-576	189	866S-578C	274	866SV-582C	273	866V-626C	273	867S-245SR	191
	196	866-576C	273	866S-579	190	866SV-585	189	866V-664	189	867S-247CSR	275, 607
865-420	29, 85	866-577	189	866S-579C	274	866SV-585C	273	866V-664C	273	867S-247SR	191, 607
	196	866-577C	273	866S-580	190	866SV-624	189	866V-666	189	867S-248CSR	275, 607
865-527	29, 85	866-578	189	866S-580C	274	866SV-624C	273	866V-666C	273	867S-248SR	191, 607
	196	866-578C	273	866S-582	190	866SV-626	189	867-247CSR	275	867S-249CSR	275
865-528	29, 85	866-579	189	866S-582C	274	866SV-626C	273	867-247SR	191	867S-249SR	191
	196	866-579C	273	866S-585	190	866SV-664	189	867-248CSR	275	867S-250CSR	275
865-577	29, 85	866-580	189	866S-585C	274	866SV-664C	273	867-248SR	191	867S-250SR	191
	196	866-580C	273	866S-624	189	866SV-666	189	867-249CSR	275	867S-251CSR	275
865-578	29, 85	866-582	189	866S-624C	274	866SV-666C	273	867-249SR	191	867S-251SR	191
	196	866-582C	273	866S-626	190	866V-247	188	867-250CSR	275	867S-291CSR	275
8657-020	186, 669	866-585	189	866S-626C	274	866V-247C	272	867-250SR	191	867S-291SR	191
8657-025	186, 669	866-585C	273	866S-664	190	866V-248	188	867-251CSR	275	867S-331CSR	275
8657-032	186, 669	866-621	189	866S-664C	274	866V-248C	272	867-251SR	191	867S-331SR	191
8657-040	186, 669	866-624	189	866S-666	190	866V-249	188	867-291CSR	275	867S-333CSR	275, 607
8657-050	186, 669	866-624C	274	866S-666C	274	866V-249C	272	867-291SR	191	867S-333SR	191, 607
8657-063	186, 669	866-626	189	866SV-247	188	866V-250	188	867-333CSR	275	867S-334CSR	275, 607
8657-090	186, 669	866-626C	273	866SV-247C	273	866V-250C	272	867-333SR	191	867S-334SR	191, 607
8657-110	186, 669	866-664	189	866SV-248	188	866V-251	188	867-334CSR	275	867S-335CSR	275
8658-020	186, 669	866-664C	273	866SV-248C	273	866V-251C	272	867-334SR	191	867S-335SR	191
8658-025	186, 669	866-666	189	866SV-249	189	866V-291	188	867-335CSR	275	867S-336CSR	275
8658-032	186, 669	866-666C	273	866SV-249C	273	866V-291C	272	867-335SR	191	867S-336SR	191
8658-040	186, 669	866S-247	189	866SV-250	189	866V-333	188	867-336CSR	275	867S-337CSR	275
8658-050	186, 669	866S-247C	273	866SV-250C	273	866V-333C	272	867-336SR	191	867S-337SR	191
8658-063	186, 669	866S-248	189	866SV-251	189	866V-334	188	867-337CSR	275	867S-338CSR	275
8658-090	186, 669	866S-248C	273	866SV-251C	273	866V-334C	272	867-337SR	191	867S-338SR	191
8658-110	186, 669	866S-249	189	866SV-291	189	866V-335	188	867-338CSR	275	867S-413CSR	275
866-247	189	866S-249C	273	866SV-291C	273	866V-335C	272	867-338SR	191	867S-413SR	191
866-247C	273	866S-250	189	866SV-333	189	866V-336	188	867-415CSR	275	867S-415CSR	275, 607
866-248	189	866S-250C	273	866SV-333C	273	866V-336C	272	867-415SR	191	867S-415SR	191, 607
866-248C	273	866S-251	189	866SV-334	189	866V-337	188	867-416CSR	275	867S-416CSR	275, 607
866-249	189	866S-251C	273	866SV-334C	273	866V-337C	272	867-416SR	191	867S-416SR	191, 607
866-249C	273	866S-291	189	866SV-335	189	866V-338	188	867-417CSR	275	867S-417CSR	275
866-250	189	866S-291C	273	866SV-335C	273	866V-338C	272	867-417SR	191	867S-417SR	191
866-250C	273	866S-333	190	866SV-336	189	866V-415	188	867-418CSR	275	867S-418CSR	275
866-251	189	866S-333C	273	866SV-336C	273	866V-415C	272	867-418SR	191	867S-418SR	191
866-251C	273	866S-334	190	866SV-337	189	866V-416	188	867-419CSR	275	867S-419CSR	275
866-291	189	866S-334C	274	866SV-337C	273	866V-416C	272	867-419SR	191	867S-419SR	191
866-291C	273	866S-335	190	866SV-338	189	866V-417	188	867-420CSR	275	867S-420CSR	275
866-333	189	866S-335C	274	866SV-338C	273	866V-417C	272	867-420SR	191	867S-420SR	191
866-333C	273	866S-336	190	866SV-415	189	866V-418	188	867-421CSR	275	867S-421CSR	275
866-334	189	866S-336C	274	866SV-415C	273	866V-418C	272	867-421SR	191	867S-421SR	191
866-334C	273	866S-337	190	866SV-416	189	866V-419	188	867-422CSR	275	867S-422CSR	275
866-335	189	866S-337C	274	866SV-416C	273	866V-419C	272	867-422SR	191	867S-422SR	191
866-335C	273	866S-338	190	866SV-417	189	866V-420	188	867-523CSR	275	867S-521CSR	275
866-336	189	866S-338C	274	866SV-417C	273	866V-420C	272	867-523SR	191	867S-521SR	191
866-336C	273	866S-415	190	866SV-418	189	866V-421	188	867-524CSR	275	867S-523CSR	275, 607
866-337	189	866S-415C	274	866SV-418C	273	866V-421C	272	867-524SR	191	867S-523SR	191, 607
866-337C	273	866S-416	190	866SV-419	189	866V-422	188	867-525CSR	275	867S-524CSR	275, 607
866-338	189	866S-416C	274	866SV-419C	273	866V-422C	272	867-525SR	191	867S-524SR	191, 607
866-338C	273	866S-417	190	866SV-420	189	866V-523	188	867-526CSR	275	867S-525CSR	275
866-415	189	866S-417C	274	866SV-420C	273	866V-523C	272	867-526SR	191	867S-525SR	191
866-415C	273	866S-418	190	866SV-421	189	866V-524	188	867-527CSR	275	867S-526CSR	275
866-416	189	866S-418C	274	866SV-421C	273	866V-524C	272	867-527SR	191	867S-526SR	191
866-416C	273	866S-419	190	866SV-422	189	866V-525	188	867-528CSR	275	867S-527CSR	275
866-417	189	866S-419C	274	866SV-422C	273	866V-525C	272	867-528SR	191	867S-527SR	191
866-417C	273	866S-420	190	866SV-523	189	866V-526	188	867-529CSR	275	867S-528CSR	275
866-418	189	866S-420C	274	866SV-523C	273	866V-526C	272	867-529SR	191	867S-528SR	191
866-418C	273	866S-421	190	866SV-524	189	866V-527	188	867-530CSR	275	867S-529CSR	275
866-419	189	866S-421C	274	866SV-524C	273	866V-527C	272	867-530SR	191	867S-529SR	191
866-419C	273	866S-422	190	866SV-525	189	866V-528	188	867-532CSR	275	867S-530CSR	275
866-420	189	866S-422C	274	866SV-525C	273	866V-528C	272	867-532SR	191	867S-530SR	191
866-420C	273	866S-523	190	866SV-526	189	866V-529	189	867-573CSR	275	867S-532CSR	275
866-421	189	866S-523C	274	866SV-526C	273	866V-529C	273	867-573SR	191	867S-532SR	191
866-421C	273	866S-524	190	866SV-527	189	866V-530	189	867-574CSR	275	867S-571CSR	275
866-422	189	866S-524C	274	866SV-527C	273	866V-530C	273	867-574SR	191	867S-571SR	191
866-422C	273	866S-525	190	866SV-528	189	866V-532	189	867-575CSR	275	867S-573CSR	275, 607
866-523	189	866S-525C	274	866SV-528C	273	866V-532C	273	867-575SR	191	867S-573SR	191, 607
866-523C	273	866S-526	190	866SV-529	189	866V-574	189	867-576CSR	275	867S-574CSR	275, 607
866-524	189	866S-526C	274	866SV-529C	273	866V-576SR	273	867-576SR	191	867S-574SR	191, 607
866-524C	273	866S-527	190	866SV-530	189	866V-577CSR	275	867-577CSR	275	867S-575CSR	275
866-525	189	866S-527C	274	866SV-530C	273	866V-577SR	273	867-577SR	191	867S-575SR	191
866-525C	273	866S-528	190	866SV-532	189	866V-578CSR	275	867-578CSR	275	867S-576CSR	275
866-526	189	866S-528C	274	866SV-532C	273	866V-578SR	273	867-578SR	191	867S-576SR	191
866-526C	273	866S-529	190	866							



Spears Part Number Index

867S-577SR	191	867SV-575SR	191	867V-578SR	190	868-582C	276	868S-626C	277	868V-247C	275
867S-578CSR	275	867SV-576CSR	275	867V-579CSR	274	868-585	193	868S-664	193	868V-248	191
867S-578SR	191	867SV-576SR	191	867V-579SR	190	868-585C	277	868S-664C	277	868V-248C	275
867S-579CSR	275	867SV-577CSR	275	867V-580CSR	274	868-624	193	868S-666	193	868V-249	191
867S-579SR	191	867SV-577SR	191	867V-580SR	190	868-624C	277	868S-666C	277	868V-249C	275
867S-580CSR	275	867SV-578CSR	275	867V-582CSR	274	868-626	193	868S-247	192	868V-250	191
867S-580SR	191	867SV-578SR	191	867V-582SR	190	868-626C	277	868SV-247C	276	868V-250C	275
867S-582CSR	275	867SV-579CSR	275	867V-585CSR	274	868-664	193	868SV-248	192	868V-251	191
867S-582SR	191	867SV-579SR	191	867V-585SR	190	868-664C	277	868SV-248C	276	868V-251C	275
867S-585CSR	275	867SV-580CSR	275	867V-624CSR	274	868-666	193	868SV-249	192	868V-291	191
867S-585SR	191	867SV-580SR	191	867V-624SR	190	868-666C	277	868SV-249C	276	868V-291C	275
867S-624CSR	275	867SV-582CSR	275	867V-626CSR	274	868S-247	193	868SV-250	192	868V-333	191
867S-624SR	191	867SV-582SR	191	867V-626SR	190	868S-247C	277	868SV-250C	276	868V-333C	275
867S-626CSR	275	867SV-585CSR	275	867V-664CSR	274	868S-248	193	868SV-251	192	868V-334	191
867S-626SR	191	867SV-585SR	191	867V-664SR	190	868S-248C	277	868SV-251C	276	868V-334C	275
867S-664CSR	275	867SV-624CSR	275	867V-666CSR	274	868S-249	193	868SV-291	192	868V-335	192
867S-664SR	191	867SV-624SR	191	867V-666SR	190	868S-249C	277	868SV-291C	276	868V-335C	276
867S-666CSR	275	867SV-626CSR	275	868-247	192	868S-250	193	868SV-333	192	868V-336	192
867S-666SR	191	867SV-626SR	191	868-247C	276	868S-250C	277	868SV-333C	276	868V-336C	276
867SV-245CSR	274	867SV-664CSR	275	868-248	192	868S-251	193	868SV-334	192	868V-337	192
867SV-245SR	190	867SV-664SR	191	868-248C	276	868S-251C	277	868SV-334C	276	868V-337C	276
867SV-247CSR	274, 607	867SV-666CSR	275	868-249	192	868S-291	193	868SV-335	192	868V-338	192
867SV-247SR	190, 607	867SV-666SR	191	868-249C	276	868S-291C	277	868SV-335C	276	868V-338C	276
867SV-248CSR	274, 607	867V-247CSR	274	868-250	192	868S-333	193	868SV-336	192	868V-415	192
867SV-248SR	190, 607	867V-247SR	190	868-250C	276	868S-333C	277	868SV-336C	276	868V-415C	276
867SV-249CSR	274	867V-248CSR	274	868-251	192	868S-334	193	868SV-337	192	868V-416	192
867SV-249SR	190	867V-248SR	190	868-251C	276	868S-334C	277	868SV-337C	276	868V-416C	276
867SV-250CSR	274	867V-249CSR	274	868-291	192	868S-335	193	868SV-338	192	868V-417	192
867SV-250SR	190	867V-249SR	190	868-291C	276	868S-335C	277	868SV-338C	276	868V-417C	276
867SV-251CSR	274	867V-250CSR	274	868-333	192	868S-336	193	868SV-415	192	868V-418	192
867SV-251SR	190	867V-250SR	190	868-333C	276	868S-336C	277	868SV-415C	276	868V-418C	276
867SV-291CSR	274	867V-251CSR	274	868-334	192	868S-337	193	868SV-416	192	868V-419	192
867SV-291SR	190	867V-251SR	190	868-334C	276	868S-337C	277	868SV-416C	276	868V-419C	276
867SV-331CSR	274	867V-291CSR	274	868-335	192	868S-338	193	868SV-417	192	868V-420	192
867SV-331SR	190	867V-291SR	190	868-335C	276	868S-338C	277	868SV-417C	276	868V-420C	276
867SV-333CSR	274, 607	867V-333CSR	274	868-336	192	868S-415	193	868SV-418	192	868V-421	192
867SV-333SR	190, 607	867V-333SR	190	868-336C	276	868S-415C	277	868SV-418C	276	868V-421C	276
867SV-334CSR	274, 607	867V-334CSR	274	868-337	192	868S-416	193	868SV-419	192	868V-422	192
867SV-334SR	190, 607	867V-334SR	190	868-337C	276	868S-416C	277	868SV-419C	276	868V-422C	276
867SV-335CSR	274	867V-335CSR	274	868-338	192	868S-417	193	868SV-420	192	868V-523	192
867SV-335SR	190	867V-335SR	190	868-338C	276	868S-417C	277	868SV-420C	276	868V-523C	276
867SV-336CSR	274	867V-336CSR	274	868-415	192	868S-418	193	868SV-421	192	868V-524	192
867SV-336SR	190	867V-336SR	190	868-415C	276	868S-418C	277	868SV-421C	276	868V-524C	276
867SV-337CSR	274	867V-337CSR	274	868-416	192	868S-419	193	868SV-422	192	868V-525	192
867SV-337SR	190	867V-337SR	190	868-416C	276	868S-419C	277	868SV-422C	276	868V-525C	276
867SV-338CSR	274	867V-338CSR	274	868-417	192	868S-420	193	868SV-523	192	868V-526	192
867SV-338SR	190	867V-338SR	190	868-417C	276	868S-420C	277	868SV-523C	276	868V-526C	276
867SV-413CSR	274	867V-415CSR	274	868-418	192	868S-421	193	868SV-524	192	868V-527	192
867SV-413SR	190	867V-415SR	190	868-418C	276	868S-421C	277	868SV-524C	276	868V-527C	276
867SV-415CSR	274, 607	867V-416CSR	274	868-419	192	868S-422	193	868SV-525	192	868V-528	192
867SV-415SR	190, 607	867V-416SR	190	868-419C	276	868S-422C	277	868SV-525C	276	868V-528C	276
867SV-416CSR	274, 607	867V-417CSR	274	868-420	192	868S-523	193	868SV-526	192	868V-529	192
867SV-416SR	190, 607	867V-417SR	190	868-420C	276	868S-523C	277	868SV-526C	276	868V-529C	276
867SV-417CSR	274	867V-418CSR	274	868-421	192	868S-524	193	868SV-527	192	868V-530	192
867SV-417SR	190	867V-418SR	190	868-421C	276	868S-524C	277	868SV-527C	276	868V-530C	276
867SV-418CSR	274	867V-419CSR	274	868-422	192	868S-525	193	868SV-528	192	868V-532	192
867SV-418SR	190	867V-419SR	190	868-422C	276	868S-525C	277	868SV-528C	276	868V-532C	276
867SV-419CSR	274	867V-420CSR	274	868-523	192	868S-526	193	868SV-529	192	868V-573	192
867SV-419SR	190	867V-420SR	190	868-523C	276	868S-526C	277	868SV-529C	276	868V-573C	276
867SV-420CSR	274	867V-421CSR	274	868-524	192	868S-527	193	868SV-530	192	868V-574	192
867SV-420SR	190	867V-421SR	190	868-524C	276	868S-527C	277	868SV-530C	276	868V-574C	276
867SV-421CSR	274	867V-422CSR	274	868-525	192	868S-528	193	868SV-532	192	868V-575	192
867SV-421SR	190	867V-422SR	190	868-525C	276	868S-528C	277	868SV-532C	276	868V-575C	276
867SV-422CSR	274	867V-523CSR	274	868-526	192	868S-529	193	868SV-573	192	868V-576	192
867SV-422SR	190	867V-523SR	190	868-526C	276	868S-529C	277	868SV-573C	276	868V-576C	276
867SV-521CSR	274	867V-524CSR	274	868-527	192	868S-530	193	868SV-574	192	868V-577	192
867SV-521SR	190	867V-524SR	190	868-527C	276	868S-530C	277	868SV-574C	276	868V-577C	276
867SV-523CSR	274, 607	867V-525CSR	274	868-528	192	868S-532	193	868SV-575	192	868V-578	192
867SV-523SR	190, 607	867V-525SR	190	868-528C	276	868S-532C	277	868SV-575C	276	868V-578C	276
867SV-524CSR	274, 607	867V-526CSR	274	868-529	192	868S-573	193	868SV-576	192	868V-579	192
867SV-524SR	190, 607	867V-526SR	190	868-529C	276	868S-573C	277	868SV-576C	276	868V-579C	276
867SV-525CSR	274	867V-527CSR	274	868-530	192	868S-574	193	868SV-577	192	868V-580	192
867SV-525SR	190	867V-527SR	190	868-530C	276	868S-574C	277	868SV-577C	276	868V-580C	276
867SV-526CSR	274	867V-528CSR	274	868-532	192	868S-575	193	868SV-578	192	868V-582	192
867SV-526SR	190	867V-528SR	190	868-532C	276	868S-575C	277	868SV-578C	276	868V-582C	276
867SV-527CSR	274	867V-529CSR	274	868-573	192	868S-576	193	868SV-579	192	868V-585	192
867SV-527SR	190	867V-529SR	190	868-573C	276	868S-576C	277	868SV-579C	276	868V-585C	276
867SV-528CSR	274	867V-530CSR	274	868-574	192	868S-577	193	868SV-580	192	868V-624	192
867SV-528SR	190	867V-530SR	190	868-574C	276	868S-577C	277	868SV-580C	276	868V-624C	276
867SV-529CSR	274	867V-532CSR	274	868-575	192	868S-578	193	868SV-582	192	868V-626	192
867SV-529SR	190	867V-532SR	190	868-575C	276	868S-578C	277	868SV-582C	276	868V-626C	276
867SV-530CSR	274	867V-573CSR	274	868-576	192	868S-579	193	868SV-585	192	868V-664	192
867SV-530SR	190	867V-573SR	190	868-576C	276	868S-579C	277	868SV-585C	276	868V-664C	276
867SV-532CSR	274	867V-574CSR	274	868-577	192	868S-580	193	868SV-624	192	868V-666	192
867SV-532SR	190	867V-574SR	190	868-577C	276	868S-580C	277	868SV-624C	276	868V-666C	276
867SV-571CSR	274	867V-575CSR	274	868-578	192	868S-582	193	868SV-626	192	868V-247CSR	278
867SV-571SR	190	867V-575SR	190	868-578C	276	868S-582C	277	868SV-626C	276	868V-247SR	194
867SV-573CSR	274, 607	867V-576CSR	274	868-579	192	868S-585	193	868SV-664	192	868V-248CSR	278
867SV-573SR	190, 607	867V-576SR	190	868-579C	276	868S-585C	277	868SV-664C	276	868V-248SR	194
867SV-574CSR	274, 607	867V-577CSR	274	868-580	192	868S-624	193	868SV-666	192	868V-249CSR	278
867SV-574SR	190, 607	867V-577SR	190	868-580C	276	868S-624C	277	868SV-666C	276	868V-249SR	194
867SV-575CSR	274	867V-578CSR	274	868-582	19						

Spears Part Number Index



869-250SR	194	869S-333SR	194	869SV-336SR	193	869V-415SR	193	871-040C	282	875-200F	175
869-251CSR	278	869S-334CSR	278	869SV-337CSR	277	869V-416CSR	277	871E-005	199	875-209	175
869-251SR	194	869S-334SR	194	869SV-337SR	193	869V-416SR	193	871E-007	199	875-209C	261
869-291CSR	278	869S-335CSR	278	869SV-338CSR	277	869V-417CSR	277	871E-010	199	875-210	175
869-291SR	194	869S-335SR	194	869SV-338SR	193	869V-417SR	193	871E-012	199	875-210C	261
869-333CSR	278	869S-336CSR	278	869SV-415CSR	277	869V-418CSR	277	871E-015	199	875-211	176
869-333SR	194	869S-336SR	194	869SV-415SR	193	869V-418SR	193	871E-020	199	875-211C	261
869-334CSR	278	869S-337CSR	278	869SV-416CSR	277	869V-419CSR	277	871E-030	199	875-212	176
869-334SR	194	869S-337SR	194	869SV-416SR	193	869V-419SR	193	871E-040	199	875-212C	261
869-335CSR	278	869S-338CSR	278	869SV-417CSR	277	869V-420CSR	277	872-005	199	875-240F	175
869-335SR	194	869S-338SR	194	869SV-417SR	193	869V-420SR	193	872-005C	282	875-247	176
869-336CSR	278	869S-415CSR	278	869SV-418CSR	277	869V-421CSR	277	872-007	199	875-247C	261
869-336SR	194	869S-415SR	194	869SV-418SR	193	869V-421SR	193	872-007C	282	875-248	176
869-337CSR	278	869S-416CSR	278	869SV-419CSR	277	869V-422CSR	277	872-010	199	875-248C	261
869-337SR	194	869S-416SR	194	869SV-419SR	193	869V-422SR	193	872-010C	282	875-249	176
869-338CSR	278	869S-417CSR	278	869SV-420CSR	277	869V-423CSR	277	872-012	199	875-249C	261
869-338SR	194	869S-417SR	194	869SV-420SR	193	869V-423SR	193	872-012C	282	875-250	176
869-415CSR	278	869S-418CSR	278	869SV-421CSR	277	869V-424CSR	277	872-015	199	875-250C	261
869-415SR	194	869S-418SR	194	869SV-421SR	193	869V-424SR	193	872-015C	282	875-251	176
869-416CSR	278	869S-419CSR	278	869SV-422CSR	278	869V-425CSR	277	872-020	199	875-251C	261
869-416SR	194	869S-419SR	194	869SV-422SR	194	869V-425SR	193	872-020C	282	875-335	176
869-417CSR	278	869S-420CSR	278	869SV-523CSR	278	869V-526CSR	277	872-030	199	875-335C	261
869-417SR	194	869S-420SR	194	869SV-523SR	194	869V-526SR	193	872-030C	282	875-336	176
869-418CSR	278	869S-421CSR	278	869SV-524CSR	278	869V-527CSR	277	872-040	199	875-336C	261
869-418SR	194	869S-421SR	194	869SV-524SR	194	869V-527SR	193	872-040C	282	875-337	176
869-419CSR	278	869S-422CSR	278	869SV-525CSR	278	869V-528CSR	277	872E-005	199	875-337C	261
869-419SR	194	869S-422SR	194	869SV-525SR	194	869V-528SR	193	872E-007	199	875-338	176
869-420CSR	278	869S-523CSR	278	869SV-526CSR	278	869V-529CSR	277	872E-010	199	875-338C	261
869-420SR	194	869S-523SR	194	869SV-526SR	194	869V-529SR	193	872E-012	199	875-339	176
869-421CSR	278	869S-524CSR	278	869SV-527CSR	278	869V-530CSR	277	872E-015	199	875-339C	261
869-421SR	194	869S-524SR	194	869SV-527SR	194	869V-530SR	193	872E-020	199	875-420	176
869-422CSR	278	869S-525CSR	278	869SV-528CSR	278	869V-532CSR	277	872E-030	199	875-420C	261
869-422SR	194	869S-525SR	194	869SV-528SR	194	869V-532SR	193	872E-040	199	875-420F	176
869-523CSR	278	869S-526CSR	278	869SV-529CSR	278	869V-573CSR	277	8721-005	77, 374	875-421	176
869-523SR	194	869S-526SR	194	869SV-529SR	194	869V-573SR	193	8721-007	77, 374	875-421F	176
869-524CSR	278	869S-527CSR	278	869SV-530CSR	278	869V-574CSR	277	8721-010	77, 374	875-422	176
869-524SR	194	869S-527SR	194	869SV-530SR	194	869V-574SR	193	8721-012	77, 374	875-422C	261
869-525CSR	278	869S-528CSR	278	869SV-532CSR	278	869V-575CSR	277	8721-015	77, 374	875-525	176
869-525SR	194	869S-528SR	194	869SV-532SR	194	869V-575SR	193	8721-020	77, 374	875-528	176
869-526CSR	278	869S-529CSR	278	869SV-573CSR	278	869V-576CSR	277	8722-005	77, 374	875-528C	261
869-526SR	194	869S-529SR	194	869SV-573SR	194	869V-576SR	193	8722-007	77, 374	875-528CF	261
869-527CSR	278	869S-530CSR	278	869SV-574CSR	278	869V-577CSR	277	8722-010	77, 374	875-528F	176
869-527SR	194	869S-530SR	194	869SV-574SR	194	869V-577SR	193	8722-012	77, 374	875-530	176
869-528CSR	278	869S-532CSR	278	869SV-575CSR	278	869V-578CSR	277	8722-015	77, 374	875-530C	261
869-528SR	194	869S-532SR	194	869SV-575SR	194	869V-578SR	193	8722-020	77, 374	875-530CF	261
869-529CSR	278	869S-573CSR	278	869SV-576CSR	278	869V-579CSR	277	875-005	175	875-530F	176
869-529SR	194	869S-573SR	194	869SV-576SR	194	869V-579SR	193	875-005C	261	875-532	176
869-530CSR	278	869S-574CSR	278	869SV-577CSR	278	869V-580CSR	277	875-007	175	875-532C	261
869-530SR	194	869S-574SR	194	869SV-577SR	194	869V-580SR	193	875-007C	261	875-578	176
869-532CSR	278	869S-575CSR	278	869SV-578CSR	278	869V-582CSR	277	875-010	175	875-578C	261
869-532SR	194	869S-575SR	194	869SV-578SR	194	869V-582SR	193	875-010C	261	875-578CF	261
869-573CSR	278	869S-576CSR	278	869SV-579CSR	278	869V-585CSR	277	875-012	175	875-578F	176
869-573SR	194	869S-576SR	194	869SV-579SR	194	869V-585SR	193	875-012C	261	875-579CF	261
869-574CSR	278	869S-577CSR	278	869SV-580CSR	278	869V-624CSR	277	875-015	175	875-579F	176
869-574SR	194	869S-577SR	194	869SV-580SR	194	869V-624SR	193	875-015C	261	875-580	176
869-575CSR	278	869S-578CSR	278	869SV-582CSR	278	869V-626CSR	277	875-020	175	875-580C	261
869-575SR	194	869S-578SR	194	869SV-582SR	194	869V-626SR	193	875-020C	261	875-580CF	261
869-576CSR	278	869S-579CSR	278	869SV-585CSR	278	869V-664CSR	277	875-025	175	875-580F	176
869-576SR	194	869S-579SR	194	869SV-585SR	194	869V-664SR	193	875-025C	261	875-582	176
869-577CSR	278	869S-580CSR	278	869SV-624CSR	278	869V-666CSR	277	875-030	175	875-582C	261
869-577SR	194	869S-580SR	194	869SV-624SR	194	869V-666SR	193	875-030C	261	875-582CF	261
869-578CSR	278	869S-582CSR	278	869SV-626CSR	278	869V-626CSR	186, 669	875-040	175	875-582F	176
869-578SR	194	869S-582SR	194	869SV-626SR	194	869V-626SR	186, 669	875-040C	261	875-585	176
869-579CSR	278	869S-585CSR	278	869SV-664CSR	278	869V-664CSR	187, 669	875-050F	175	875-585C	261
869-579SR	194	869S-585SR	194	869SV-664SR	194	869V-664SR	187, 669	875-060	175	875-585CF	261
869-580CSR	278	869S-624CSR	278	869SV-666CSR	278	869V-666CSR	187, 669	875-060C	261	875-585F	176
869-580SR	194	869S-624SR	194	869SV-666SR	194	869V-666SR	187, 669	875-080	175	875-621CF	261
869-582CSR	278	869S-626CSR	278	869SV-247CSR	277	869V-247CSR	187, 669	875-080C	261	875-621F	176
869-582SR	194	869S-626SR	194	869SV-247SR	193	869V-247SR	187, 669	875-080CF	261	875-622F	176
869-585CSR	278	869S-664CSR	278	869SV-248CSR	277	869V-248CSR	187, 669	875-080F	175	875-623CF	261
869-585SR	194	869S-664SR	194	869SV-248SR	193	869V-248SR	187, 669	875-100CF	261	875-623F	176
869-624CSR	278	869S-666CSR	278	869SV-249CSR	277	869V-249CSR	187, 669	875-100F	175	875-624CF	261
869-624SR	194	869S-666SR	194	869SV-249SR	193	869V-249SR	187, 669	875-101	175	875-624F	176
869-626CSR	278	869SV-247CSR	277	869SV-250CSR	277	869V-250CSR	187, 669	875-101C	261	875-625F	176
869-626SR	194	869SV-247SR	193	869SV-250SR	193	869V-250SR	187, 669	875-120CF	261	875-626	176
869-664CSR	278	869SV-248CSR	277	869SV-251CSR	277	869V-251CSR	187, 669	875-120F	175	875-626C	261
869-664SR	194	869SV-248SR	193	869SV-251SR	193	869V-251SR	187, 669	875-130	175	875-626CF	261
869-666CSR	278	869SV-249CSR	277	869SV-291CSR	277	869V-291CSR	199	875-130C	261	875-626F	176
869-666SR	194	869SV-249SR	193	869SV-291SR	193	869V-291SR	282	875-131	175	875-628	176
869S-247CSR	278	869SV-250CSR	277	869SV-333CSR	277	869V-333CSR	199	875-131C	261	875-628C	261
869S-247SR	194	869SV-250SR	193	869SV-333SR	193	869V-333SR	282	875-140CF	261	875-628CF	261
869S-248CSR	278	869SV-251CSR	277	869SV-334CSR	277	869V-334CSR	199	875-140F	175	875-628F	176
869S-248SR	194	869SV-251SR	193	869SV-334SR	193	869V-334SR	282	875-160CF	261	875-661CF	261
869S-249CSR	278	869SV-291CSR	277	869SV-335CSR	277	869V-335CSR	199	875-160F	175	875-661F	176
869S-249SR	194	869SV-291SR	193	869SV-335SR	193	869V-335SR	282	875-166	175	875-662F	176
869S-250CSR	278	869SV-333CSR	277	869SV-336CSR	277	869V-336CSR	199	875-166C	261	875-663CF	261
869S-250SR	194	869SV-333SR	193	869SV-336SR	193	869V-336SR	282	875-167	175	875-663F	176
869S-251CSR	278	869SV-334CSR	277	869SV-337CSR	277	869V-337CSR	199	875-167C	261	875-664CF	261
869S-251SR	194	869SV-334SR	193	869SV-337SR	193	869V-337SR	282	875-168	175	875-664F	176
869S-291CSR	278	869SV-335CSR	277	869SV-338CSR	277	869V-338CSR	199	875-168C	261	875-666CF	261
869S-291SR	194	869SV-335SR	193	869SV-338SR	193	869V-338SR	282	875-180CF	261	875-666F	1



Spears Part Number Index

875-668F	176	876-582F	176	879-200	160	881-090C	161	882-420	160	884-110	160
875-670CF	261	876-585CF	262	879-220	160	881-100	160	882-480	160	884-110C	161
875-670F	176	876-585F	176	879-240	160	881-100C	161	883-005	160	884-120	160
875-694CF	261	876-621CF	262	879-300	160	881-110	160	883-005C	161	884-120C	161
875-694F	176	876-621F	176	879-360	160	881-110C	161	883-015	160	884-130	160
875-696CF	261	876-622CF	262	879-420	160	881-120	160	883-015C	161	884-130C	161
875-696F	176	876-622F	176	879-480	160	881-120C	161	883-020	160	884-130R	162
875-698CF	261	876-623CF	262	880-005	160	881-130	160	883-020C	161	884-131	162
875-698F	176	876-623F	176	880-005C	161	881-130C	161	883-025	160	884-140	160
875-700F	176	876-624CF	262	880-015	160	881-140	160	883-025C	161	884-140C	161
875-702CF	261	876-624F	176	880-015C	161	881-140C	161	883-030	160	884-150	160
875-702F	176	876-626CF	262	880-020	160	881-150	160	883-030C	161	884-150C	161
875-754CF	261	876-626F	176	880-020C	161	881-150C	161	883-035	160	884-160	160
875-754F	176	876-628CF	262	880-025	160	881-160	160	883-035C	161	884-160C	161
875-756CF	261	876-628F	176	880-025C	161	881-160C	161	883-040	160	884-170	160
875-756F	176	876-661CF	262	880-030	160	881-170	160	883-040C	161	884-170C	161
875-758CF	261	876-661F	176	880-030C	161	881-170C	161	883-045	160	884-180	160
875-758F	176	876-662CF	262	880-035	160	881-180	160	883-045C	161	884-180C	161
875-760CF	261	876-662F	176	880-035C	161	881-180C	161	883-050	160	884-190	160
875-760F	176	876-663CF	262	880-040	160	881-190	160	883-050C	161	884-190C	161
875-762CF	261	876-663F	176	880-040C	161	881-190C	161	883-055	160	884-200	160
875-762F	176	876-664CF	262	880-045	160	881-200	160	883-055C	161	884-200C	161
875-764CF	262	876-664F	176	880-045C	161	881-200C	161	883-060	160	884-220	160
875-764F	176	876-666CF	262	880-050	160	881-220	160	883-060C	161	884-220C	161
875-784CF	262	876-666F	176	880-050C	161	881-220C	161	883-060UV	35	884-240	160
875-784F	176	876-668CF	262	880-055	160	881-240	160	883-070	160	884-240C	161
875-786CF	262	876-668F	177	880-055C	161	881-240C	161	883-070C	161	884-300	160
875-786F	176	876-670CF	262	880-060	160	881-300	160	883-080	160	884-360	160
875-788CF	262	876-670F	177	880-060C	161	881-360	160	883-080C	161	884-420	160
875-788F	176	878-005BR	180, 333	880-070	160	881-420	160	883-080UV	35	884-480	160
875-790CF	262	878-005CESR	265, 335	880-070C	161	881-480	160	883-090	160	885-005	160
875-790F	176	878-005CSR	265, 335	880-080	160	882-005	160	883-090C	161	885-005C	161
875-792CF	262	878-005ESR	180, 330	880-080C	161	882-005C	161	883-100	160	885-020	160
875-792F	176	878-005SR	180, 330	880-090	160	882-015	160	883-100C	161	885-020C	161
875-794CF	262	878-007CESR	265, 335	880-090C	161	882-015C	161	883-100UV	35	885-025	160
875-794F	176	878-007CSR	265, 335	880-100	160	882-020	160	883-110	160	885-025C	161
875-796CF	262	878-007ESR	180, 330	880-100C	161	882-020C	161	883-110C	161	885-030	160
875-796F	176	878-007SR	180, 330	880-110	160	882-025	160	883-120	160	885-030C	161
875-814F	176	878-010BR	180, 333	880-110C	161	882-025C	161	883-120C	161	885-035	160
875-816F	176	878-010CESR	265, 335	880-120	160	882-030	160	883-120UV	35	885-035C	161
875-818F	176	878-010CSR	265, 335	880-120C	161	882-030C	161	883-130	160	885-040	160
875-820F	176	878-010ESR	180, 330	880-130	160	882-035	160	883-130C	161	885-040C	161
875-822F	176	878-010SR	180, 330	880-130C	161	882-035C	161	883-140	160	885-045	160
875-824F	176	878-012CESR	266, 335	880-140	160	882-040	160	883-140C	161	885-045C	161
875-826F	176	878-012CSR	265, 335	880-140C	161	882-040C	161	883-150	160	885-050	160
875-828F	176	878-012ESR	180, 330	880-150	160	882-045	160	883-150C	161	885-050C	161
875-904F	176	878-012SR	180, 330	880-150C	161	882-045C	161	883-160	160	885-055	160
875-906F	176	878-015CESR	266, 335	880-160	160	882-050	160	883-160C	161	885-055C	161
875-908F	176	878-015CSR	265, 335	880-160C	161	882-050C	161	883-170	160	885-060	160
875-910F	176	878-015ESR	180, 330	880-170	160	882-055	160	883-170C	161	885-060C	161
875-912F	176	878-015SR	180, 330	880-170C	161	882-055C	161	883-180	160	885-070	160
875-914F	176	878-020CESR	266, 335	880-180	160	882-060	160	883-180C	161	885-070C	161
875-916F	176	878-020CSR	265, 335	880-180C	161	882-060C	161	883-190	160	885-080	160
875-918F	176	878-020ESR	180, 330	880-190	160	882-060UV	35	883-190C	161	885-080C	161
875-920F	176	878-020SR	180, 330	880-190C	161	882-070	160	883-200	160	885-090	160
876-020CF	262	878-030CSR	265, 335	880-200	160	882-070C	161	883-200C	161	885-090C	161
876-020F	176	878-030SR	180, 330	880-200C	161	882-080	160	883-220	160	885-100	160
876-030CF	262	878-040CSR	265, 335	880-220	160	882-080C	161	883-220C	161	885-100C	161
876-030F	176	878-040SR	180, 330	880-220C	161	882-080UV	35	883-240	160	885-110	160
876-040CF	262	878-072CSR	266, 335	880-240	160	882-090	160	883-240C	161	885-110C	161
876-040F	176	878-072SR	181, 330	880-240C	161	882-090C	161	883-300	160	885-120	160
876-060CF	262	878-072SRBL	547	880-300	160	882-100	160	883-360	160	885-120C	161
876-060F	176	878-098CSR	266, 335	880-360	160	882-100C	161	883-420	160	885-130	160
876-080CF	262	878-098SR	181, 330	880-420	160	882-100UV	35	883-480	160	885-130C	161
876-080F	176	878-098SRBL	547	880-480	160	882-101	162	884-005	160	885-140	160
876-100CF	262	878-128CSR	266, 335	881-005	160	882-110	160	884-005C	161	885-140C	161
876-100F	176	878-128SR	181, 330	881-005C	161	882-110C	161	884-020	160	885-150	160
876-120CF	262	878-128SRBL	547	881-015	160	882-120	160	884-020C	161	885-150C	161
876-120F	176	879-005	160	881-015C	161	882-120C	161	884-025	160	885-160	160
876-338	176	879-015	160	881-020	160	882-120UV	35	884-025C	161	885-160C	161
876-338C	262	879-020	160	881-020C	161	882-130	160	884-030	160	885-170	160
876-420CF	262	879-025	160	881-025	160	882-130C	161	884-030C	161	885-170C	161
876-420F	176	879-030	160	881-025C	161	882-140	160	884-035	160	885-180	160
876-421CF	262	879-035	160	881-030	160	882-140C	161	884-035C	161	885-180C	161
876-421F	176	879-040	160	881-030C	161	882-150	160	884-040	160	885-190	160
876-422CF	262	879-045	160	881-035	160	882-150C	161	884-040C	161	885-190C	161
876-422F	176	879-050	160	881-035C	161	882-160	160	884-045	160	885-200	160
876-528CF	262	879-055	160	881-040	160	882-160C	161	884-045C	161	885-200C	161
876-528F	176	879-060	160	881-040C	161	882-170	160	884-050	160	885-220	160
876-529CF	262	879-070	160	881-045	160	882-170C	161	884-050C	161	885-220C	161
876-529F	176	879-080	160	881-045C	161	882-180	160	884-055	160	885-240	160
876-530CF	262	879-090	160	881-050	160	882-180C	161	884-055C	161	885-240C	161
876-530F	176	879-100	160	881-050C	161	882-190	160	884-060	160	885-300	160
876-532CF	262	879-110	160	881-055	160	882-190C	161	884-060C	161	885-360	160
876-532F	176	879-120	160	881-055C	161	882-200	160	884-070	160	885-420	160
876-578CF	262	879-130	160	881-060	160	882-200C	161	884-070C	161	885-480	160
876-578F	176	879-140	160	881-060C	161	882-220	160	884-080	160	886-005	160
876-579CF	262	879-150	160	881-070	160	882-220C	161	884-080C	161	886-005C	161
876-579F	176	879-160	160	881-070C	161	882-240	160	884-090	160	886-020	160
876-580CF	262	879-170	160	881-080	160	882-240C	161	884-090C	161	886-020C	161
876-580F	176	879-180	160	881-080C	161	882-300	160	884-100	160	886-025	160
876-582CF	262	879-190	160	881-090	160	882-360	160	884-100C	161	886-025C	161

Spears Part Number Index



886-030	160	887-100	160	889-040C	161	890-160	160	893-140C	161	895-150C	161
886-030C	161	887-100C	161	889-040GG	163	890-160C	161	893-150	161	895-160	160
886-030GG	163	887-110	160	889-040PG	163	890-170	160	893-150C	160	895-160C	161
886-030PG	163	887-110C	161	889-040TG	163	890-170C	161	893-160	160	895-170	160
886-030TG	163	887-120	160	889-045	160	890-180	160	893-160C	161	895-170C	161
886-035	160	887-120C	161	889-045C	161	890-180C	161	893-170	160	895-180	160
886-035C	161	887-130	160	889-050	160	890-190	160	893-170C	161	895-180C	161
886-040	160	887-130C	161	889-050C	161	890-190C	161	893-180	160	895-190	160
886-040C	161	887-140	160	889-055	160	890-200	160	893-180C	161	895-190C	161
886-040GG	163	887-140C	161	889-055C	161	890-200C	161	893-190	160	895-200	160
886-040PG	163	887-150	160	889-060	160	890-220	160	893-190C	161	895-200C	161
886-040TG	163	887-150C	161	889-060C	161	890-220C	161	893-200	161	895-220	160
886-045	160	887-160	160	889-060GG	163	890-240	160	893-200C	161	895-220C	161
886-045C	161	887-160C	161	889-060PG	163	890-240C	161	893-220	160	895-240	160
886-050	160	887-170	160	889-060TG	163	890-300	160	893-220C	161	895-240C	161
886-050C	161	887-170C	161	889-070	160	890-360	160	893-240	160	895-300	160
886-055	160	887-180	160	889-070C	161	890-420	160	893-240C	161	895-360	160
886-055C	161	887-180C	161	889-080	160	890-480	160	893-300	160	895-420	160
886-060	160	887-190	160	889-080C	161	892-005	160	893-360	160	895-480	160
886-060C	161	887-190C	161	889-090	160	892-005C	161	893-420	160	897-002	184
886-060GG	163	887-200	160	889-090C	161	892-030PG	163	893-480	160	897-003	184
886-060PG	163	887-200C	161	889-100	160	892-040PG	163	894-005	160	897-005	185
886-060TG	163	887-220	160	889-100C	161	892-045	160	894-005C	161	897-005BL	548
886-070	160	887-220C	161	889-110	160	892-045C	161	894-045	160	897-005C	270
886-070C	161	887-240	160	889-110C	161	892-050	160	894-045C	161	897-007	185
886-080	160	887-240C	161	889-120	160	892-050C	161	894-050	160	897-007BL	548
886-080C	161	887-300	160	889-120C	161	892-055	160	894-050C	161	897-007C	270
886-090	160	887-360	160	889-130	160	892-055C	161	894-055	160	897-010	185
886-090C	161	887-420	160	889-130C	161	892-060	160	894-055C	161	897-010BL	548
886-100	160	887-480	160	889-140	160	892-060C	161	894-060	160	897-010C	270
886-100C	161	888-005	160	889-140C	161	892-060PG	163	894-060C	161	897-012	185
886-110	160	888-005C	161	889-150	160	892-070	160	894-070	160	897-012BL	548
886-110C	161	888-030	160	889-150C	161	892-070C	161	894-070C	161	897-012C	270
886-120	160	888-030C	161	889-160	160	892-080	160	894-080	160	897-015	185
886-120C	161	888-035	160	889-160C	161	892-080C	161	894-080C	161	897-015BL	548
886-130	160	888-035C	161	889-170	160	892-090	160	894-090	160	897-015C	270
886-130C	161	888-040	160	889-170C	161	892-090C	161	894-090C	161	897-020	185
886-140	160	888-040C	161	889-180	160	892-100	160	894-100	160	897-020BL	548
886-140C	161	888-045	160	889-180C	161	892-100C	161	894-100C	161	897-020C	270
886-150	160	888-045C	161	889-190	160	892-110	160	894-110	160	897-025	185
886-150C	161	888-050	160	889-190C	161	892-110C	161	894-110C	161	897-025C	270
886-160	160	888-050C	161	889-200	160	892-120	160	894-120	160	897-030	185
886-160C	161	888-055	160	889-200C	161	892-120C	161	894-120C	161	897-030C	270
886-170	160	888-055C	161	889-220	160	892-130	160	894-130	160	897-040	185
886-170C	161	888-060	160	889-220C	161	892-130C	161	894-130C	161	897-040C	270
886-180	160	888-060C	161	889-240	160	892-140	160	894-140	160	898-002	185
886-180C	161	888-070	160	889-240C	161	892-140C	161	894-140C	161	898-002C	269
886-190	160	888-070C	161	889-300	160	892-150	160	894-150	160	898-003	185
886-190C	161	888-080	160	889-360	160	892-150C	161	894-150C	161	898-003C	269
886-200	160	888-080C	161	889-420	160	892-160	160	894-160	160	898-005	186
886-200C	161	888-090	160	889-480	160	892-160C	161	894-160C	161	898-005C	270
886-220	160	888-090C	161	890-005	160	892-170	160	894-170	160	898-007	186
886-220C	161	888-100	160	890-005C	161	892-170C	161	894-170C	161	898-007C	270
886-240	160	888-100C	161	890-030GG	163	892-180	160	894-180	160	898-010	186
886-240C	161	888-110	160	890-030PG	163	892-180C	161	894-180C	161	898-010C	270
886-300	160	888-110C	161	890-030TG	163	892-190	160	894-190	160	898-012	186
886-360	160	888-120	160	890-035	160	892-190C	161	894-190C	161	898-012C	270
886-420	160	888-120C	161	890-035C	161	892-200	160	894-200	160	898-015	186
886-480	160	888-130	160	890-040	160	892-200C	161	894-200C	161	898-015C	270
887-005	160	888-130C	161	890-040C	161	892-220	160	894-220	160	898-020	186
887-005C	161	888-140	160	890-040GG	163	892-220C	161	894-220C	161	898-020C	270
887-025	160	888-140C	161	890-040PG	163	892-240	160	894-240	160	898-025	186
887-025C	161	888-150	160	890-040TG	163	892-240C	161	894-240C	161	898-025C	270
887-030	160	888-150C	161	890-045	160	892-300	160	894-300	160	898-030	186
887-030C	161	888-160	160	890-045C	161	892-360	160	894-360	160	898-030C	270
887-030GG	163	888-160C	161	890-050	160	892-420	160	894-420	160	898-040	186
887-030PG	163	888-170	160	890-050C	161	892-480	160	894-480	160	898-040C	270
887-030TG	163	888-170C	161	890-055	160	893-005	160	895-005	160	899-002	184
887-035	160	888-180	160	890-055C	161	893-005C	161	895-005C	161	899-002CSR	270, 336
887-035C	161	888-180C	161	890-060	160	893-045	160	895-050	160	899-002SR	186, 331
887-040	160	888-190	160	890-060C	161	893-045C	161	895-050C	161	899-003	184
887-040C	161	888-190C	161	890-060GG	163	893-050	160	895-055	160	899-003CSR	270, 336
887-040GG	163	888-200	160	890-060PG	163	893-050C	161	895-055C	161	899-003SR	186, 331
887-040PG	163	888-200C	161	890-060TG	163	893-055	160	895-060	160	899-005	185
887-040TG	163	888-220	160	890-070	160	893-055C	161	895-060C	161	899-005C	270
887-045	160	888-220C	161	890-070C	161	893-060	160	895-070	160	899-005CSR	270, 336
887-045C	161	888-240	160	890-080	160	893-060C	161	895-070C	161	899-005SR	186, 331
887-050	160	888-240C	161	890-080C	161	893-070	160	895-080	160	899-007	185
887-050C	161	888-300	160	890-090	160	893-070C	161	895-080C	161	899-007BR	186, 333
887-055	160	888-360	160	890-090C	161	893-080	160	895-090	160	899-007C	270
887-055C	161	888-420	160	890-100	160	893-080C	161	895-090C	161	899-007CBR	270, 338
887-060	160	888-480	160	890-100C	161	893-090	160	895-100	160	899-007CSR	270, 336
887-060C	161	889-005	160	890-110	160	893-090C	161	895-100C	161	899-007SR	186, 331
887-060GG	163	889-005C	161	890-110C	161	893-100	160	895-110	160	899-010	185
887-060PG	163	889-030	160	890-120	160	893-100C	161	895-110C	161	899-010BR	186, 333
887-060TG	163	889-030C	161	890-120C	161	893-110	160	895-120	160	899-010C	270
887-070	160	889-030GG	163	890-130	160	893-110C	161	895-120C	161	899-010CBR	270, 338
887-070C	161	889-030PG	163	890-130C	161	893-120	160	895-130	160	899-010CSR	270, 336
887-080	160	889-030TG	163	890-140	160	893-120C	161	895-130C	161	899-010SR	186, 331
887-080C	161	889-035	160	890-140C	161	893-130	160	895-140	160	899-012	185
887-090	160	889-035C	161	890-150	160	893-130C	161	895-140C	161	899-012BR	186, 333
887-090C	161	889-040	160	890-150C	161	893-140	160	895-150	160	899-012C	270

Page 772

Made in the U.S.A.



Spears Part Number Index

95031K850-020	470	95051J850-015	470	0	0	0	0
95032A101-005	466	95051J850-020	470				
95032A101-007	466	95051K850-005	470				
95032A101-010	466	95051K850-007	470				
95032A101-012	467	95051K850-010	470				
95032A101-015	467	95051K850-012	470				
95032A101-020	467	95051K850-015	470				
95032A101-025	467	95051K850-020	470				
95032A101-030	467	95052A101-005	467				
95032A101-040	467	95052A101-007	467				
95032H100-005	477	95052A101-010	467				
95032H100-007	477	95052A101-012	467				
95032H100-010	477	95052A101-015	467				
95032H100-012	478	95052A101-020	467				
95032H100-015	478	95052A101-025	467				
95032H100-020	478	95052A101-030	467				
95032H100-025	478	95052A101-040	467				
95032H100-030	478	95052H100-005	478				
95032H100-040	478	95052H100-007	478				
95032H850-005	471	95052H100-010	478				
95032H850-007	471	95052H100-012	478				
95032H850-010	471	95052H100-015	478				
95032H850-012	471	95052H100-020	478				
95032H850-015	472	95052H100-025	478				
95032H850-020	472	95052H100-030	478				
95032J100-005	477	95052H100-040	478				
95032J100-007	477	95052H850-005	472				
95032J100-010	477	95052H850-007	472				
95032J100-012	478	95052H850-010	472				
95032J100-015	478	95052H850-012	472				
95032J100-020	478	95052H850-015	472				
95032J100-025	478	95052H850-020	472				
95032J100-030	478	95052J100-005	478				
95032J100-040	478	95052J100-007	478				
95032J850-005	472	95052J100-010	478				
95032J850-007	472	95052J100-012	478				
95032J850-010	472	95052J100-015	478				
95032J850-012	472	95052J100-020	478				
95032J850-015	472	95052J100-025	478				
95032J850-020	472	95052J100-030	478				
95032K850-005	472	95052J100-040	478				
95032K850-007	472	95052J850-005	472				
95032K850-010	472	95052J850-007	472				
95032K850-012	472	95052J850-010	472				
95032K850-015	472	95052J850-012	472				
95032K850-020	472	95052J850-015	472				
95033A101-025	468	95052J850-020	472				
95033A101-030	468	95052K850-005	472				
95033A101-040	468	95052K850-007	472				
95033H100-025	480	95052K850-010	472				
95033H100-030	480	95052K850-012	472				
95033H100-040	480	95052K850-015	472				
95033J100-025	480	95052K850-020	472				
95033J100-030	480	95053A101-025	468				
95033J100-040	480	95053A101-030	468				
95051A101-005	466	95053A101-040	468				
95051A101-007	466	95053H100-025	480				
95051A101-010	466	95053H100-030	480				
95051A101-012	466	95053H100-040	480				
95051A101-015	466	95053J100-025	480				
95051A101-020	466	95053J100-030	480				
95051A101-025	466	95053J100-040	480				
95051A101-030	466						
95051A101-040	466						
95051H100-005	476						
95051H100-007	476						
95051H100-010	476						
95051H100-012	476						
95051H100-015	476						
95051H100-020	476						
95051H100-025	476						
95051H100-030	476						
95051H100-040	476						
95051H850-005	470						
95051H850-007	470						
95051H850-010	470						
95051H850-012	470						
95051H850-015	470						
95051H850-020	470						
95051J100-005	476						
95051J100-007	476						
95051J100-010	476						
95051J100-012	476						
95051J100-015	476						
95051J100-020	476						
95051J100-025	476						
95051J100-030	476						
95051J100-040	476						
95051J850-005	470						
95051J850-007	470						
95051J850-010	470						
95051J850-012	470						

Appendix A - Basic Abbreviations Used in this Catalog



Standard Abbreviations

CI	=	Cast Iron Pipe Size
CTS	=	Copper Tube Size
DWV	=	Drain, Waste & Vent
Fipt		
FPT	=	Female Iron Pipe Thread
GSK		
Gasket	=	Elastomer Gasket Sealed Connection
Grv		
Groove	=	Grooved End for Mechanical Coupling
IPS	=	Iron Pipe Size
INS		
Insert	=	Barbed Insert End
Mipt,		
MPT	=	Male Iron Pipe Thread
NPT	=	National Pipe Thread (alternate to above)
PIP	=	Plastic Irrigation Pipe
PSI	=	Pounds Per Square Inch
PSM	=	Plastic Sewer Main
SDR	=	Standard Dimension Ratio (pipe)
Soc		
Socket	=	Solvent Weld Socket
SPG		
Spig		
Spigot	=	Spigot End (pipe O.D. size)
SR Fipt	=	Special Reinforced Plastic Female Iron Pipe Thread

DWV Specific Abbreviations

H		
HUB	=	Solvent Weld Socket
SPG	=	Spigot End (pipe O.D. size)
S&D	=	Sewer & Drain Pipe Size
SLIP	=	Trap End for Receiving Drain Tail Piece

Metric Specific Abbreviations

BAR	=	4.5 psi
BSP	=	British Standard Pipe
Class 10	=	Pressure Rating 10 BAR at 23°C (145 psi at 73°F)
Class 12	=	Pressure Rating 12 BAR at 23°C (174 psi at 73°F)
d	=	Pipe O.D. in millimeters
DN	=	Diameter Nominal for Metric Fittings
Din	=	Deutsche Industrial Norm (German Standards)
JIS	=	Japanese Industrial Standard
MIPT	=	Male Iron Pipe Thread
NPR	=	Not Pressure Rated
PN7	=	Pressure Rating 7 BAR at 23°C (100 psi at 73°F)
PN16	=	Pressure Rating 16 BAR at 23°C (232 psi at 73°F)
SRBSP	=	Special Reinforced BSP Thread
FBSP	=	Female BSP Thread
MBSP	=	Male BSP Thread
mm	=	millimeter

Packaging Codes

MC (or Mstr Ctn)	=	Master Carton (standard master quantity)
SP (or Std Pk)	=	Standard Pack (standard box quantity)



Appendix B - Applicable Industry Standards & Test Methods

Standards provide greater assurance of product performance and consistency, and are available to assist design engineers in system specification. The most frequently referenced industry standards for plastic piping systems are ASTM Standard Specifications and Practices. Along with ASTM Standards, additional product specifications and certifications form the basis of product conformance to which Spears® products are manufactured. Although not inclusive, the following list of internationally recognized standards, specifications, test methods and practices relate to PVC and CPVC thermoplastic piping products and related components.

ASTM STANDARD SPECIFICATIONS

ASTM D1784	Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
ASTM D1785	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120
ASTM D2241	Standard Specification for Poly (Vinyl Chloride) (PVC) Pressure Rated Pipe (SDR Series)
ASTM D2466	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40
ASTM D2464	Standard Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2467	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80
ASTM D2665	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D2672	Standard Specification for Joints for IPS PVC Pipe Using Solvent Cement
ASTM D2846	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems
ASTM D3139	Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals
ASTM D3311	Standard Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns
ASTM F438	Standard Specification for Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40
ASTM F439	Standard Specification for Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
ASTM F441	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
ASTM F442	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
ASTM F437	Standard Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80
ASTM F477	Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F493	Standard Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings
ASTM F656	Standard Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings
ASTM F913	Standard Specification for Thermoplastic Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM F1498	Standard Specification for Taper Pipe Threads 60° for Thermoplastic Pipe and Fittings
ASTM F1866	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings
ASTM F2618	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical Waste Drainage Systems

ASTM STANDARD TEST METHODS

ASTM D1598	Standard Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure
ASTM D1599	Standard Test Method for Resistance to Short-Time Hydraulic Pressure of Plastic Pipe & Fittings
ASTM D2122	Standard Test Method for Determining Dimensions of Thermoplastic Pipe & Fittings
ASTM D2152	Standard Test Method for Adequacy of Fusion by Acetone Immersion
ASTM D2412	Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D2444	Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup
ASTM D2564	Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems
ASTM D2837	Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials
ASTM F610	Standard Test Method for Evaluating the Quality of Molded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings by the Heat Reversion Technique

ASTM STANDARD PRACTICES

ASTM D2321	Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
ASTM D2774	Standard Practice for Underground Installation of Thermoplastic Pressure Piping
ASTM D2855	Standard Practice for Making Solvent-Cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings
ASTM F402	Standard Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastics Pipe and Fittings
ASTM F645	Standard Guide for Selection, Design, and Installation of Thermoplastic Water Pressure Systems
ASTM F690	Standard Practice for Underground Installation of Thermoplastic Pressure Piping Irrigation Systems
ASTM F1057	Standard Practice for Evaluating the Quality of Extruded Poly (Vinyl Chloride) (PVC) Pipe by the Heat Reversion Technique

Appendix C - Product Approvals & Certifications



<u>NSF® International</u>	NSF® is an internationally recognized independent third party product testing laboratory and certification organization. NSF® provides a variety of product certifications. Although not inclusive, the following list those most applicable to Spears® products (see listings at www.nsf.org).
NSF/ANSI Standard 14	Plastics Piping System Components and Related Materials. NSF-14 is a consensus standard that enables comprehensive assessment of plumbing system products, materials, and ingredients. The assessment is for health effects, quality control, quality assurance, marking, material property requirements, long-term strength evaluation, and short-term product performance evaluation to various standards such as ASME, ASTM,ASSE, etc. NSF-14 Certified products have designated end use.
End Use Certification	
Marks	The following are typical certification marks applicable to various Spears® products:
NSF-pw	The product is manufactured for potable water application. It meets all applicable performance standards for a pressure rated application as required in NSF/ANSI Standard 14, and complies with NSF/ANSI Standard 61 for health effects.
NSF-dwv	The product complies with the applicable performance standards as required by NSF/ANSI Standard 14 for drain, waste, and vent applications. No health effects evaluation is required.
NSF-cw	The product meets the applicable performance standard as required by NSF/ANSI Standard 14 for corrosive waste applications. No health effects evaluation is required.
NSF-61	Products certified to NSF/ANSI Standard 61. They are evaluated for health effects only. They are not evaluated for the performance requirements of NSF/ANSI Standard 14.
NSF-(end use) SE	Certified Special Engineered (SE) products shall bear a Mark which indicates the end use application. The SE Mark is used for products for which there is not a recognized national performance standard.
Canadian Certification	
Mark	cNSF Mark demonstrates compliance to a Canadian Standard, while the cNSFus Mark indicates compliance to both Canadian and U.S. requirements. Inspectors and safety code officials in Canada look for product certification by an SCC-accredited certifier.
Uniform Plumbing Code	
Certification	NSF® U.P.Code Mark demonstrates product compliance with the Uniform Plumbing Code. While the U.P.Code Mark is not mandatory to demonstrate product code compliance, the code marking is more readily identifiable by inspectors in the field.
NSF/ANSI Standard 61	Drinking Water System Components – Health Effects. NSF- 61 is a consensus standard promulgated by NSF International. This standard enables in-depth assessment of a variety of drinking water system products and materials for health effects. This standard is used to evaluate a product for health effect concerns only. NSF/ANSI Standard 61 is narrow in its scope when compared to NSF/ANSI Standard 14 in respect to quality and performance. NSF conducts its own testing, review, and facility inspections when certifying products like PE and PEX. NSF/ANSI Standard 14 addresses health and performance, NSF/ANSI Standard 61 only addresses health effect concerns.
NSF-61 Annex G	Weighted Average Lead Content Evaluation Procedure to a 0.25% Lead Requirement. Certified product meets various states' low lead requirement, such as California's Health & Safety Code (Section 116875) commonly known as AB1953.
<u>ICC-ES-PMG</u>	The ICC-ES Plumbing, Mechanical and Fuel Gas (PMG) Listing Program provides independent third party approval where there is a nationally recognized standard for the product, but the codes do not cover in enough detail permitted uses of the product. Currently Spears® LabWaste™ CPVC Corrosive Waste Drainage System pipe and fittings are certified by ICC-ES-PMG for conformance to both the International Plumbing Code and the Uniform Plumbing Code under PMG-1018 (see listing at www.icc-es-pmg.org).
<u>Underwriters Laboratories (UL)</u>	is a global independent third party product testing and certification organization. Currently, UL certifies Spears® FlameGuard® CPVC Fire Sprinkler Products to both UL 1821 for US markets and to ULC/ORD-C199P for Canadian markets, under the c-UL-us mark. UL is an NFPA recognized certification listing organization for CPVC Fire Sprinkler Products (see certifications at www.ul.com).
<u>FM Global</u>	FM Approvals (formerly Factory Mutual Research) offers worldwide certification and testing services of industrial and commercial loss prevention products as an independent third party product testing and certification organization. Currently, FM certifies Spears® FlameGuard® CPVC Fire Sprinkler Products to FM 1635, Plastic Pipe & Fittings for Automatic Sprinkler Systems. FM is an NFPA recognized certification listing organization for CPVC Fire Sprinkler Products (see Approval Guide at www.fmglobal.com).
<u>Loss Prevention Certification Board (LPCB)</u>	is an independent, third-party approvals division of the BRE Global organization, that assesses and certifies fire and security systems and services against standards, such as BS, EN and LPS, developed in cooperation with manufacturers and insurers. Currently, LPCB certifies Spears® FlameGuard® CPVC Fire Sprinkler Products to LPS 1260, Plastic Pipe and Fittings for Use in Automatic Sprinkler Systems. LPCB is also the UKAS Certified Registrar of Spears® ISO 9001 Quality Management System. Approved manufacturers are listed in the LPCB Red Book (see www.redbooklive.com).
<u>American Bureau of Shipping (ABS)</u>	is a member of the International Association of Classification Societies (IACS) responsible for verifying that marine vessels and offshore structures comply with Rules that the society has established for design, construction and periodic survey. Classification and product use are specified under a Type Approval. Currently Spears® CPVC pipe, fittings and LabWaste™ pipe and fittings are specified under ABS Type Approval Certificate No. 10-HS539421-1-PDA (see Type Approval at www.eagle.org)



Appendix D - Recommendations for Installers & Users

Plastic piping systems should be ENGINEERED, INSTALLED, and OPERATED in accordance with ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. PRIOR TO ASSEMBLY, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability. Consult all applicable codes and regulations for compliance prior to installation.

SOLVENT WELD CONNECTIONS - Use a quality grade of primer and solvent cement formulated for the type of connection, with the CORRECT SIZE APPLICATOR. Read and follow all of the solvent cement MANUFACTURER'S APPLICATION AND CURE TIME INSTRUCTIONS THOROUGHLY.

BEFORE APPLYING PRIMER AND CEMENT, appropriate safety precautions should be taken. Primer and Cement should be stored in the shade between 40°F and 110°F. Eliminate all ignition sources. Avoid breathing of vapors. Use only with adequate ventilation; explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits. In confined or partially enclosed areas, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Containers should be kept tightly closed when not in use, and covered as much as possible when in use. Avoid frequent contact with skin; wearing PVA coated protective gloves and impervious apron are recommended. Avoid any contact with eyes; splash proof chemical goggles are recommended.

THREADED CONNECTIONS - Use a quality grade thread sealant. WARNING: SOME PIPE JOINT COMPOUNDS OR PTFE PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC. Spears® Manufacturing Company recommends the use of Spears® BLUE 75™ Thread Sealant which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application/installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond FINGER TIGHT is generally all that is required to make a sound plastic threaded connection. Unnecessary OVER TIGHTENING will cause DAMAGE TO BOTH PIPE AND FITTING.

NOTE: DO NOT use any thread sealants on Spears® Gasket Sealed Threaded connections.

IMPORTANT

WATER HAMMER - Spears® Manufacturing Company recommends that all PVC and CPVC plastic piping systems be designed and constructed to AVOID EXCESSIVE WATER HAMMER. Water hammer can cause damage, and failure to pipe, valves, and fittings within the piping system. PLEASE NOTE - When temperatures rise above 73°F, the tensile strength of thermoplastics decreases, thereby derating the pipe or fitting Maximum Internal Pressure. When temperatures fall below 73°F, the tensile strength of thermoplastics increases, however, the impact strength decreases. Maximum operating temperatures for PVC piping systems should not exceed 140°F. Maximum operating temperatures for CPVC pressure piping systems should not exceed 200°F. Special drainage systems such as Spears® LabWaste™ CPVC Corrosive Waste Drainage System may be used intermittently to 230° F for intermittent non-pressure laboratory drainage application - see LabWaste™ technical information. Spears® Manufacturing Company will not accept responsibility for damage or impairment of its products, or other consequential or incidental damages caused by misapplication, incorrect assembly, and/or exposure to harmful substances or conditions.

NOT FOR DISTRIBUTION OF COMPRESSED AIR OR GASES

WARNING: DO NOT USE ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, FOR DISTRIBUTION OR STORAGE OF COMPRESSED AIR OR GASES. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY. PVC and CPVC products MAY be used in certain low pressure (i.e. 3-5 psi) air handling applications of oil-free, compatible clean air. Contact Spears® Technical Services with application specifics for additional information.

Not all of the products listed in this price schedule are carried in Spears® Regional Distribution Center inventories. When ordering, please check with your servicing Regional Distribution Center for availability. ALL ORDERS FOR NON-STOCKED products are NON-CANCELABLE and NON-RETURNABLE.

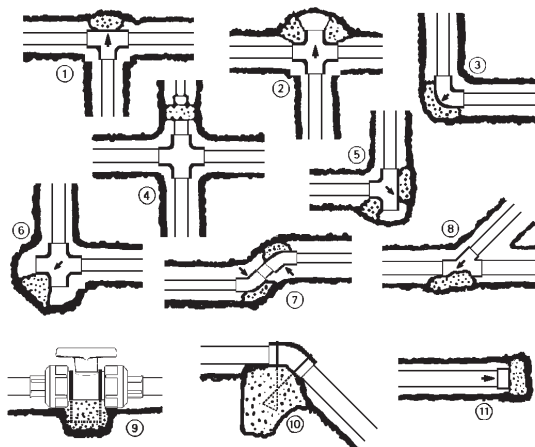
PRODUCTS IN THIS CATALOG ARE ONLY TO BE USED FOR THEIR INTENDED PURPOSE.

THRUST BLOCKING — Water under pressure exerts thrust forces in piping systems. Thrust blocking should be provided, as necessary, to prevent movement of pipe or appurtenances in response to thrust.

Types Of Thrust Blocking:

If thrusts due to high pressure are expected, anchor valves as below. At vertical bends anchor to resist outward thrusts.

1. Thru line connection, tee
2. Thru line connection, cross used as tee
3. Direction change, elbow
4. Change line size, reducer
5. Direction change, tee used as elbow
6. Direction change, cross used as elbow
7. Direction change
8. Thru line connection, wye
9. Valve anchor
10. Direction change vertical, bend anchor
11. End Caps (above or below ground)



Thrust Blocking Is Required Wherever The Pipeline:

- * Changes direction (e.g., tees, bends, elbows and crosses)
- * Changes size at its reducers
- * Stops, as at dead ends
- * Valves and hydrants, at which thrust develops when closed.

Size And Type Of Thrust Blocking Depends On:

- * Maximum system pressure
- * Pipe size
- * Type and size of fittings or appurtenance
- * Line profile (horizontal or vertical bends)
- * Soil type



Appendix E - Special Information on Fabricated Fittings

Except for fittings produced to ASTM F1866, Spears® Fabricated Fittings conform to Spears® Manufacturing Company Special Engineering Specifications.

Not all of the Fabricated Fittings listed in this price schedule are carried in Spears® Distribution Center inventories. When ordering Fabricated Fittings, please check your servicing Distribution Center for availability. ALL ORDERS FOR NON-STOCKED Fabricated Fittings are NON-CANCELABLE and NON-RETURNABLE.

18" and larger Fabricated Fittings are available upon request. Please contact your servicing Spears® Regional Distribution Center for pricing and availability.

All 15" Fabricated Fittings shown as Class 63 are PIP O.D. Reducing fittings are 15" PIP O.D. x specified IPS size. Plastic Irrigation Pipe (PIP) and Iron Pipe Size (IPS) are not the same.

Pipe Dimension Reference Chart

Pipe Type O.D. Size SDR	LH PIP 91	80 PIP 51	100 PIP 41	125 PIP 32.5	CL 63 IPS 64	CL 100 IPS 41	SEWER PSM 35	CL 125 IPS 32.5	CL 160 IPS 26	CL 200 IPS 21	40 DWV IPS —	80 DWV IPS —	SCH 40 IPS —	SCH 80 IPS —	C-900 CI DR 18
4"	O.D. 4.130 I.D. 4.000 Wall .065 PSI 43	4.130 3.968 .081 80	4.130 3.928 .101 100	4.130 3.876 .127 125	4.500 4.360 .140 63	4.500 4.280 .220 100	4.215 3.89 0.125 117.5	4.500 4.224 .276 125	4.500 4.154 .346 160	4.500 4.072 .428 200	4.500 3.998 .502 100	4.500 3.786 .714 100	4.500 3.998 .502 220	4.500 3.786 .714 320	4.800 4.22 .58 150
6"	O.D. 6.140 I.D. 6.000 Wall .070 PSI 43	6.140 5.898 .242 80	6.140 5.840 .300 100	6.140 5.762 .378 125	6.625 6.417 .208 63	6.625 6.301 .324 100	6.275 5.742 .533 117.5	6.625 6.217 .408 125	6.625 6.115 .510 160	6.625 5.993 .632 200	6.625 6.031 .594 100	6.625 5.709 .916 100	6.625 6.031 .594 180	6.625 5.709 .916 280	6.900 6.08 .82 150
8"	O.D. 8.160 I.D. 7.984 Wall .088 PSI 43	8.160 7.840 .320 80	8.160 7.762 .398 100	8.160 7.658 .502 125	8.625 8.355 .270 63	8.625 8.205 .420 100	8.4 7.665 .735 117.5	8.625 8.095 .530 125	8.625 7.961 .664 160	8.625 7.805 .820 200	8.625 7.943 .682 100	8.625 7.565 1.060 100	8.625 7.943 1.060 160	8.625 7.565 1.060 250	9.050 7.97 .08 150
10"	O.D. 10.200 I.D. 9.980 Wall .220 PSI 43	10.200 9.800 .400 80	10.200 9.702 .498 100	10.200 9.572 .628 125	10.750 10.414 .336 63	10.750 10.226 .524 100	10.5 9.563 .987 117.5	10.750 10.088 .662 125	10.750 9.924 .826 160	10.750 9.748 .902 200	10.750 9.976 .774 100	10.750 9.492 1.258 100	10.750 9.976 1.258 140	10.750 9.492 1.258 230	11.100 9.78 .32 150
12"	O.D. 12.240 I.D. 11.975 Wall .265 PSI 43	12.240 11.760 .480 80	12.240 11.642 .598 100	12.240 11.486 .754 125	12.750 12.352 .398 63	12.750 12.128 .622 100	12.5 11.361 1.139 117.5	12.750 11.966 .784 125	12.750 11.770 .980 160	12.750 11.538 1.212 200	12.750 11.890 1.060 100	12.750 11.294 1.456 100	12.750 11.890 1.456 130	12.750 11.294 1.456 230	13.200 11.63 .57 150
14"	O.D. 14.280 I.D. 14.000 Wall .280 PSI 43	14.280 13.720 .560 80	14.280 13.584 .696 100	14.280 13.402 .878 125	*	*	*	*	14 12.86 1.42 160	*	14.000 13.072 1.000 100	14.000 12.410 1.590 100	14.000 13.072 1.590 130	14.000 12.410 1.590 220	15.3 13.48 1.82 235
15"	O.D. 15.300 I.D. 14.970 Wall .330 PSI 43	15.300 14.700 .600 80	15.300 14.550 .750 100	15.300 14.358 .942 125	*	*	15.3 13.898 1.402 117.5	*	*	*	*	*	*	*	*
16"	O.D. 16.000 I.D. 15.696 Wall .304 PSI 43	*	*	*	*	*	*	*	16 14.696 1.304 160	*	16.000 14.940 1.060 100	16.000 14.214 1.786 100	16.000 14.940 1.060 130	16.000 14.214 1.786 220	17.4 15.33 2.07 235
18"	O.D. 18.360 I.D. 17.964 Wall .396 PSI 43	18.701 17.967 .734 80	18.701 17.789 .912 100	18.701 17.551 1.150 125	*	*	18.000 17.122 .878 117.5	*	18.000 16.616 1.384 160	*	18 16.808 1.192 100	18.000 16.014 1.986 100	18 16.808 1.986 120	18.000 16.014 1.986 220	19.5 17.83 1.67 235
20"	O.D. 20.400 I.D. 19.962 Wall .438 PSI 43	*	*	*	*	*	20.000 19.026 .974 100	*	20.000 18.462 1.538 160	*	20 18.863 1.537 100	20 17.814 2.586 100	20 18.863 2.586 120	20 17.814 2.586 220	21.6 19.03 2.57 235
21"	O.D. 22.047 I.D. 21.183 Wall .864 PSI 80	22.047 20.971 1.076 100	22.047 20.691 1.356 125	*	*	*	22.047 20.783 1.264 117.5	*	*	*	*	*	*	*	*
24"	O.D. 24.803 I.D. 23.831 Wall .972 PSI 80	24.803 23.593 1.210 100	24.803 23.277 1.526 125	*	*	*	24.000 22.748 1.252 100	*	24 22.043 2.757 160	*	24 22.54 2.26 100	24 21.418 3.382 100	24 22.54 3.382 120	24 21.418 3.382 210	25.800 23.73 2.07 235

* Information Not Available

GASKET INSTALLATION PROCEDURES

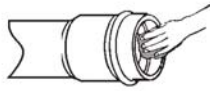


Figure 1



Figure 2



Figure 3

1. Gasket area and pipe or spigot end should be clean and free of dirt and debris. DO NOT attempt to remove the formed-in gasket — *Figure 1*.
2. Lubricate the entire sealing surface of the gasket and the pipe or spigot end with a light coating of a suitable lubricant. Make sure the pipe or spigot end has a proper bevel to insure ease of installation — *Figure 2*.
3. Push the pipe or spigot end into the gasket bell while maintaining a straight alignment. The proper insertion depth is equal to the total gasket bell length minus one-half inch (1/2") — *Figure 3*.



Appendix F - Sustainable Solutions for Total Piping System Needs

The GREEN Choice

NSF® Certified Clean, Safe & Reliable!

Did you know PVC & CPVC Piping has a lower Carbon Footprint than any alternative piping material? This makes Spears® PVC & CPVC Pipe & Fittings one of the most sustainable, versatile and cost effective materials available!

- LOW ENERGY COST – Costs Less To Produce Than Metals and Least of All Plastics
- NO WASTE PROCESS – Leftover Materials Reused In Process
- CLEAN MANUFACTURING – Energy Efficient & Safe Process
- LONG LIFE – Outlasts Copper, Steel or Cast Iron
- SAVES FUEL – Light Weight Requiring Less Energy For Distribution
- CONSERVES ENERGY – Lower Thermal Loss For Conservation
- PROTECTS HEALTH – Preserves Potable Water, Prevents Outside Contaminants
- ECONOMICAL – Lower Installed Cost
- EASILY RECYCLED & Safe in Landfills

For over 40 years Spears® commitment to environmentally responsible products provides One Source Pipe & Fitting System Component benefits surpassed by none!

- Made In the U.S.A. From Domestic PVC & CPVC Resins Selected For Best Processing, Blended & Compounded in the U.S.A.
- Environmentally Friendly Processing – Recycled Cooling Water, Proprietary Process Reduces Energy By Over 50% Compared to Typical Manufacturers
- Continual Reclamation & Use Of Leftover Materials Practiced For Over 40 years
- Best Regional Distribution For Availability & Lower Transportation Energy
- Broadest Product Selection Available!

The Code Compliant Choice

NSF® Certified Performance & Compliance!

Spears® PVC & CPVC Pipe & Fitting systems components are independently certified for applicable performance and code compliance from one service . . .

- NSF-pw Performance Testing to Applicable ASTM Standards
- NSF® Standard 61 Certified for Drinking Water
- NSF-U.P.Code Certified Products to the Uniform Plumbing Code

Examples of Spears® NSF® Certified, Sustainable Systems

Meet Your Plumbing Needs With NSF® Certified CTS & Schedule 80 CPVC Hot & Cold Water Distribution System Pipe & Fittings . . .

Certified to NSF-U.P.Code, NSF® Standard 61 for use with Drinking Water, to ASTM D2846 for CPVC Hot & Cold Water Distribution Systems and to ASTM Standards for Schedule 80 CPVC Pipe & Fittings

- Broadest Configuration Selection Available
- Accepted By All Model Codes & Most States – Check Local Jurisdictions
- ASTM E 84 Tested Water-Filled Pipe & Fittings For Return Air Plenums – Meets 25/50 Flame & Smoke Limits
- Fully Interchangeable & Warranted With All Certified Brands of CPVC System Components – Beware of Misleading Warranty Claims and Exclusions by Other Producers

Protect Life & Property With NSF® Certified FlameGuard™ CPVC Fire Sprinkler Piping Products . . .

Certified to NSF® Standard 61 for use with Drinking Water systems and to applicable ASTM Standards for pipe and fittings. Approved by UL, FM & LPCB for use in NFPA 13, 13R and 13D Installations

- Best Selection
- Can Be Intermixed With Other Approved CPVC Pipe & Fittings
- UL Approved For Use in Return Air Plenums
- Eliminates Microbiologically Influenced Corrosion (MIC) – Destroyer of Metal Systems
- Innovative Gasket Sealed Head Adapter – Replaces Thread Sealants Containing Paste & Oils With Clean EPDM Gasket Seal For Lower Environmental Impact

Handle Your Waste Disposal With NSF® Certified PVC Drainage Waste & Vent Systems . . .

Certified to NSF-U.P.Code, to ASTM D 2665 for PVC Drainage Waste & Vent Systems and to ASTM F 1866, for PVC Schedule 40 Fabricated Drainage Waste & Vent Systems.

- Largest Selection of DWV Fittings & Sizes Available
- Molded To 12"
- Fabricated To Any Size
- Can Be Intermixed With Other Approved DWV Pipe & Fittings

Think Green, Think Spears®!

Appendix G - Discount Codes



Description	Discount Code		Description	Discount Code	
PVC & CPVC Miscellaneous Specialty Valves	004		PVC Schedule 80 Fabricated Pressure Custom Fittings	084	
PVC Schedule 40 Black Fittings	011		PVC & CPVC Expansion Joints	085	
PVC Schedule 40 White Pool & Spa Specialty	015		PVC Gray Schedule 80 Molded Reinforced Fittings	086	
Isolation Joint Specialties	016		CPVC Gray Schedule 80 Molded Fittings thru 8"	090	
Flange Gasket/Bolt Kits	017		CPVC Gray Schedule 80 Molded Fittings 10" and Larger	091	
Irrigation Manifolds	019		CPVC Gray Schedule 80 Molded Reinforced Fittings	096	
Irrigation Specialty Products	020		CPVC Schedule 80 Fabricated Fittings	097	
Compression Couplings 1/2" - 6"	024		CPVC Schedule 80 Fabricated Custom Fittings	098	
Expansion-Repair Couplings 1/2" - 4"	025		PVC Gray Tank Adapters	100	
PVC Utility Swing & Spring Check Valves thru 8"	026		CPVC Gray Tank Adapters	101	
Swing Joint Riser Assemblies – Accessories	030		PVC Gray Y-Strainers 1/2" - 4"	102	
PVC EverTUFF [®] TURF™ Fittings Class 315	031		PVC Clear Y-Strainers 1/2" - 4"	103	
CPVC EverTUFF [®] TURF™ Fittings Class 315	032		CPVC Gray Y-Strainers 1/2" - 4"	104	
CPVC CTS Hot/Cold Water Pipe 1/2" - 2"	034		PVC Swing Check Valves 3/4" - 2"	108	
CPVC CTS Tan Fittings 1/2" - 2"	035		CPVC Swing Check Valves 3/4" - 2"	109	
PVC Schedule 40 & 80 Clear Pipe	038		PVC Swing Check Valves 2-1/2" and Larger	110	
PVC Schedule 40 & 80 Clear Molded Fittings	039		CPVC Swing Check Valves 2-1/2" and Larger	111	
PVC Schedule 40 White Molded Fittings thru 8"	040		PP Swing Check Valves 2-1/2" and Larger	112	
PVC Schedule 40 White Molded Fittings 10" & Larger	041		PP Swing Check Valves 3/4" - 2"	113	
UVR Tan Schedule 40 Molded Fittings	042		PE Schedule 80 & Poly Cut-Off Nipples	120	
PVC Gray Schedule 40 Molded Fittings Thru 8"	043		CPVC Gray Schedule 80 Nipples	121	
PVC Gray Schedule 40 Fittings 10" & Larger	044		PE Four-In-One Cut-Off Nipples	123	
PVC Gray Schedule 40 Fabricated Fittings	045		PVC Gray Molded Insert Fittings 3/8" - 4"	140	
PVC White Schedule 40 Molded Reinforced Fittings	046		PVC Gray Reinforced Insert Fittings 1/2" - 1"	142	
PVC White Schedule 40 Fabricated Fittings	047		CPVC Molded Insert Fittings 3/4" - 2"	143	
PVC Hot-Tap Saddles thru 1" - 6"	049		LabWaste™ CPVC Pipe 8" - 12"	157	
CPVC Hot-Tap Saddles thru 1" - 6"	050		LabWaste™ Pipe 14" & Larger	158	
PVC DWV Schedule 40 Molded thru 8"	051		LabWaste™ Fittings 8" & Larger	159	
PVC DWV Schedule 40 Molded 10" & Larger	052		LabWaste™ CPVC Fittings thru 6"	160	
Backwater Valve PVC 2" - 6"	055		LabWaste™ Pipe CPVC 1-1/2" - 6"	161	
PP Natural Schedule 80 SR Threaded Fittings thru 2"	060		LabWaste™ CPVC Drain & Accessories	169	
PP Black Schedule 80 SR Threaded Fittings thru 2"	061		LabWaste™ Tools	170	
Low-Extractable Solvent Cement	063		LabWaste™ Mechanical Couplings	171	
Schedule 80 Low-Extractable Pipe 1/2" - 6"	064		PVC Metric Molded Standard Fittings	190	
Schedule 80 Low-Extractable Fittings 1/2" - 6"	065		PVC Metric Molded 280mm & Larger	191	
Low-Extractable Clear Valves 1/2" - 4"	066		CPVC Metric Molded Standard Fittings	192	
FlameGuard [®] CPVC Fittings 3/4" - 3"	070		PVC Imperial (BSP) Molded Fittings - White	195	
FlameGuard [®] CPVC Pipe 3/4" - 3"	071		PVC Imperial (BSP) Molded Fittings - Gray	196	
FlameGuard [®] Solvent Accessories General Products	073		PVC Gray Transition Unions	197	
FlameGuard [®] CPVC Molded w/Brass Inserts	076		PVC Gate Valves thru 2"	200	
FlameGuard [®] CPVC Custom Fittings	079		PVC Gate Valves 2-1/2" & Larger	201	
PVC Gray Schedule 80 Molded Fittings thru 8"	080		CPVC Gate Valves thru 2"	202	
PVC Gray Schedule 80 Molded Fittings 10" & Larger	081		CPVC Gate Valves 2-1/2" & Larger	203	
PVC Gray Schedule 80 Fabricated Pressure Fittings	083		PVC Ball Valves Thru 2"	204	



Appendix G - Discount Codes

Description	Discount Code		Description	Discount Code	
PVC Ball Valves 2-1/2" & Larger	205		PP Diaphragm Valves 2-1/2" and Larger	281	
PVC Metric Gate Valves thru 63mm	208		PVC Butterfly Check Valves 2" and Larger	289	
CPVC Metric Gate Valves thru 63mm	209		CPVC Butterfly Check Valves 2" and Larger	290	
PVC Compact Ball Valves thru 2"	210		PVC Tee Filters & Basket Strainers	295	
PVC Compact Ball Valves 3" - 6"	211		CPVC Tee Filters	296	
CPVC Compact Ball Valves thru 2"	212		CPVC Basket Strainers	297	
CPVC Compact Ball Valves 3" - 6"	213		Actuation, Accessories, Components	298	
PVC Utility Ball Valves 2-1/2" - 6"	214		Valves, Accessories, Repair Kits, Components	299	
PVC Utility Ball Valves thru 2"	215		Low Head (SDR91) Fabricated Fittings	300	
CPVC Utility Ball Valves thru 2"	216		Low Head Fabricated Risers & Accessories	301	
CPVC CTS Valves 1/2" - 2"	217		PVC Low Head (SDR91) Custom Fittings	309	
PVC Lab & Needle Valves 1/4" - 1/2"	218		80# PIP (SDR51) Fabricated Fittings	310	
CPVC & PP Lab & Needle Valves 1/4" - 1/2"	219		PVC 80# PIP (SDR51) Fabricated Custom Fittings	319	
PVC Compact Ball Valves thru 4"	220		100# PIP (SDR41) Fabricated Fittings	320	
PVC Compact Ball Valves 6" (Venturied)	221		PVC 100# PIP (SDR41) Fabricated Custom Fittings	329	
CPVC Compact Ball Valves thru 4"	222		125# PIP x PIP (SDR 32.5) Fabricated Fittings	330	
CPVC Compact Ball Valves 6" (Venturied)	223		PVC 125# PIP x PIP (SDR32.5) Fabricated Fittings	339	
PVC Metric True Union Ball Check Valves thru 110mm	228		Class 63 IPS (SDR64) Fabricated Fittings	340	
CPVC Metric True Union Ball Check Valves thru 110mm	229		Class 100 IPS (SDR41) Fabricated Fittings	350	
PVC True Union Ball Valves thru 4"	230		Class 125 IPS (SD432.5) Fabricated Fittings	360	
PVC True Union Ball Valves thru 6" (Venturied)	231		PVC Class 125 Molded Fittings 10" & Larger	361	
CPVC True Union Ball Valves thru thru 4"	232		PVC Class 125 IPS (SDR32.5) Fabricated Custom Fittings	369	
CPVC True Union Ball Valves thru 6" (Venturied)	233		Class 160 IPS (SDR26) Fabricated Fittings	370	
PVC Metric True Union Ball Valves thru 110mm	238		Class 200 IPS (SDR26) Fabricated Fittings	380	
CPVC Metric True Union Ball Valves 110mm	239		Schedule 40 DWV/Low Pressure Fabricated Fittings	390	
PVC Single Entry Ball Valves thru 4"	240		PVC Schedule 40 Fabricated Pipe Extenders	392	
PVC Butterfly Valves thru 12"	250		PVC Schedule 80 Fabricated Pipe Extenders	394	
PVC Butterfly Valves 14" & Larger	251		PVC Schedule 40 DWV/Low Pressure Custom Fittings	399	
CPVC Butterfly Valves thru 12"	252		Schedule 80 DWV/Low Pressure Fabricated Fittings	400	
CPVC Butterfly Valves 14" & Larger	253		PVC Fabricated Duct Fittings	430	
High Purity Butterfly Valves	254		CPVC Fabricated Duct Fittings	432	
PP Butterfly Valves thru 12"	256		PVC Fabricated Duct Cold Rolled Pipe	434	
PP Butterfly Valves 14" and Larger	257		CPVC Fabricated Cold Rolled Pipe	435	
PVC Butterfly Pool Valves thru 8" Manual	260		Double Containment Pressure	470	
PVC Butterfly Pool Valves thru 12" Gear Operated	261		Electro Actuated Compact 2000 Ball Valves PVC thru 2"	496	
PVC Tee Valves	263		Electro Actuated Compact 2000 Ball Valves CPVC thru 2"	498	
CPVC Tee Valves	264		Electro Actuated True Union 2000 Standard & Industrial Ball Valves PVC thru 6"	500	
PVC Diaphragm Valves thru 2"	270		Electro Actuated True Union 2000 Standard & Industrial Ball Valves CPVC thru 6"	502	
PVC Diaphragm Valves 2-1/2" and Larger	271		Premium Actuated Standard Butterfly Valve - Electric PVC thru 12"	510	
CPVC Diaphragm Valves thru 2"	272		Premium Actuated Standard Butterfly Valve - Electric CPVC thru 12"	512	
CPVC Diaphragm Valves 2-1/2" and Larger	273		Premium Actuated Standard Butterfly Valve - Electric PP thru 24"	514	
PVC Metric Diaphragm Valves thru 63mm	274		Premium Actuated Diaphragm Valves - Electric PVC thru 8"	520	
CPVC Metric Diaphragm Valves thru 63mm	276		Premium Actuated Diaphragm Valves - Electric CPVC thru 4"	522	
PP Diaphragm Valves thru 2"	280		Premium Actuated Diaphragm Valves - Electric PP thru 4"	524	

Appendix G - Discount Codes



Description	Discount Code		Description	Discount Code	
Premium Actuated True Union 2000 Industrial Ball Valves - Pneumatic PVC thru 6"	530		Low-Extractable Gauge Guards	623	
Premium Actuated True Union 2000 Industrial Ball Valves - Pneumatic CPVC thru 6"	532		PVC Gauge Guards	624	
Premium Actuated Standard Butterfly Valves - Pneumatic PVC thru 12"	540		CPVC Gauge Guards	625	
Premium Actuated Standard Butterfly Valves - Pneumatic CPVC thru 12"	542		PP Gauge Guards	626	
Premium Actuated Standard Butterfly Valves - Pneumatic PP thru 24"	544		PVC Wye Check Valves 1/2" - 4"	627	
Premium Actuated Diaphragm Valves - Pneumatic PVC thru 8"	550		PVC Clear Wye Check Valves 1/2" - 4"	628	
Premium Actuated Diaphragm Valves - Pneumatic CPVC thru 4"	552		CPVC Wye Check Valves 1/2" - 4"	629	
Premium Actuated Diaphragm Valves - Pneumatic PP thru 4"	554		CTS Cement	701	
PVC True Union 2000 Industrial Ball Check Valves 6"	558		Low-Extractable Cement	702	
CPVC True Union 2000 Industrial Ball Check Valves 6"	559		Fire Sprinkler Cement	703	
PVC True Union 2000 Industrial Ball Valves 1/2" thru 2"	600		LabWaste™ Cement	704	
PVC True Union 2000 Industrial Ball Valves 2-1/2" thru 4"	601		PVC Regular/Medium Cement	705	
CPVC True Union 2000 Industrial Ball Valves 1/2" thru 2"	602		PVC Heavy/X-Heavy Cement	706	
CPVC True Union 2000 Industrial Ball Valves 2-1/2" thru 4"	603		Gray/CPVC Cement	707	
PVC True Union 2000 Industrial Ball Check Valves 1/2" thru 2"	604		ABS Cement	708	
PVC True Union 2000 Industrial Ball Check Valves 2-1/2" thru 4"	605		Primers & Cleaners	709	
CPVC True Union 2000 Industrial Ball Check Valves 1/2" thru 2"	606		Cements & Primers Accessories	710	
CPVC True Union 2000 Industrial Ball Check Valves 2-1/2" thru 4"	607		PVC Clear Pipe Distribution – Sales	742	
PVC True Union 2000 Standard Ball Valves 1/2" thru 2"	608		PVC Pipe Distribution – Sales	744	
PVC True Union 2000 Standard Ball Valves 2-1/2" thru 4"	609		CPVC Pipe Distribution – Sales	745	
CPVC True Union 2000 Standard Ball Valves 1/2" thru 2"	610		PVC Duct Pipe Distribution – Sales	748	
CPVC True Union 2000 Standard Ball Valves 2-1/2" thru 4"	611		CPVC Duct Pipe Distribution – Sales	749	
PVC True Union 2000 Industrial Ball Valves 6"	612		PVC White Repair Extender Fittings	894	
CPVC True Union 2000 Industrial Ball Valves 6"	613		Blue 75™ Thread Sealant	895	
PVC Horizontal & Vertical 3-Way Diverter Ball Valves 1/2" - 4"	615		CPVC Industrial EverTUFF® Solvent Cement	896	
CPVC Horizontal & Vertical 3-Way Diverter Ball Valves 1/2" - 4"	617		General Buyout Molding Manufacturing	901	
PVC Globe Standard & Wye Valves 1/2" - 4"	620		PVC Duct Distribution – Sales	948	
PVC Clear Globe Wye Valves 1/2" - 4"	621		CPVC Duct Distribution – Sales	949	
CPVC Globe Standard & Wye Valves 1/2" - 4"	622				

[illegible]

Limited Lifetime Warranty



Except as otherwise specified for certain products, mandated by law or herein provided, Spears® Manufacturing Company ("Company") warrants Standard Catalog Products ("Products") which have been directly manufactured by them to be free from defects in material and workmanship for as long as the original intended end user of the Products ("End User") retains ownership and possession of the Products and complies with this Warranty ("Warranty Period"). Each other person or entity acquiring or employing the Products, including buyers, contractors and installers ("Buyer") and End Users ("Buyer/End User") agrees that this Warranty shall be effective only during the Warranty Period so long as the Products are used solely for the normal purposes for which they are intended and in conformance with industry established standards, engineering, installation, operating, and maintenance specifications, recommendations and instructions including explicit instructions by the Company; the Products are properly installed, operated and used, and have not been modified; and all the other terms of this Warranty are complied with. Any violation thereof shall void this Warranty and relieve Company from all obligations arising from this Warranty and the Products.

Upon receipt or discovery of any Products that appear questionable or defective each Buyer/End User shall promptly inspect and return any such Product to the Company at 15853 Olden Street, Sylmar, California 91342, accompanied by a letter stating the nature of any problems. If the Products are determined by Company to be defective in materials or workmanship directly provided by Company, Company, at its sole option, may either repair or replace the defective Products, or reimburse applicable Buyer/End User for the cost of such Products. The applicable Buyer/End User shall bear all applicable shipping costs. THIS SHALL BE BUYERS/END USERS' SOLE REMEDY. EACH BUYER/END USER AGREES THAT COMPANY WILL NOT BE RESPONSIBLE FOR ANY OTHER OBLIGATIONS RELATING TO THE PRODUCTS, INCLUDING ANY OTHER MATERIALS OR LABOR COSTS, LOSS OF USE OR ANY OTHER ITEM OR FOR ANY DELAYS IN COMPLYING WITH THIS WARRANTY BEYOND COMPANY'S REASONABLE CONTROL.

COMPANY SHALL NOT BE LIABLE FOR, DOES NOT ASSUME, AND EXPRESSLY DISCLAIMS, ANY LIABILITY, RESPONSIBILITY AND DAMAGES: DUE TO ANY BUYER/END USER'S FAILURE TO COMPLY WITH THIS WARRANTY, INCLUDING IMPROPER INSTALLATION, USE OR OPERATION; USE WITH PRODUCTS FROM OTHER MANUFACTURERS THAT DO NOT MEET ASTM OR OTHER APPLICABLE PRODUCT STANDARDS; IMPROPER CONTROL OF SYSTEM HYDRAULICS, IMPROPER WINTERIZATION PROCEDURES, IMPROPER VOLTAGE SUPPLY, CONTACT WITH INCOMPATIBLE MATERIALS OR CHEMICALS, EXCAVATION/DIGGING, EXCESSIVE WEIGHT, AND VANDALISM; DUE TO REASONABLE WEAR AND TEAR AND DUE TO ANY ACTS OF NATURE, INCLUDING LIGHTNING, EARTHQUAKES, GROUND MOVEMENT, FROST HEAVE, OR FLOODS.

COMPANY EXTENDS ONLY THIS WARRANTY AND EXPLICITLY DISCLAIMS ALL OTHER WARRANTIES, WHETHER IMPLIED OR OTHERWISE EXPRESSED, WHETHER ORAL, STATUTORY OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTIES OR AFFIRMATIONS FOR SUITABILITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO AFFIRMATION BY COMPANY OR ANY OF ITS REPRESENTATIVES, BY WORDS, CONDUCT OR OTHERWISE, SHALL CONSTITUTE A WARRANTY. THIS WARRANTY MAY NOT BE TRANSFERRED, EXTENDED, ALTERED OR OTHERWISE MODIFIED IN ANY MANNER, EXCEPT BY WRITTEN AGREEMENT SIGNED BY COMPANY.

BY ITS ACCEPTANCE OF THE PRODUCTS, EACH BUYER/END USER EXPRESSLY WAIVES ALL OTHER LIABILITY OR OBLIGATION OF ANY KIND OR CHARACTER OF COMPANY, INCLUDING LIABILITY PREDICATED UPON CONTRACT, TORT, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE GROUNDS, AND ALL, IF ANY, DAMAGES AND LOSSES AS A RESULT THEREOF, INCLUDING ALL, IF ANY, COMPENSATORY, GENERAL, SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR PUNITIVE DAMAGES. WITH RESPECT TO SUCH WAIVERS, EACH BUYER/END USER EXPLICITLY WAIVES CALIFORNIA CIVIL CODE §1542 WHICH STATES "A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THIS RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY ADVERSELY AFFECTED HIS SETTLEMENT WITH DEBTOR" AND ALL OTHER SIMILAR STATUTORY, COMMON AND CASE LAW RIGHTS, DEFENSES AND LIMITATIONS.

Having previously independently inspected the Products, or a sample, as fully as desired, or having the opportunity to and having not done so, upon acceptance of delivery of the Products, and except as otherwise herein explicitly provided, each Buyer/End User by acceptance or use of the Products accepts them in their "AS IS" and "WITH ALL FAULTS" condition without any other warranty, expressed, implied or otherwise, and accepts and assumes the entire risk and cost of all servicing, remediation and consequences thereof. This Warranty shall be governed by California law and any unenforceable provisions severed without affecting the remaining provisions. As used herein, "including" includes "without limitation."

Spears® Quality Policy

It is the policy and objective of Spears® Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.

The information contained in this publication is based on current information and product design at the time of publication and is subject to change without notification. Our ongoing commitment to product improvement may result in some variations. No representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular application or results to be obtained therefrom. For not contained herein, please contact Spears® Technical Services Department [West Coast: (818) 364-1611 — East Coast: (678) 985-1263]. Reproduction of this publication in whole or in part is prohibited without the authorized consent of Spears® Manufacturing Company, Sylmar, California.

Watch for NEW PRODUCT SUPPLEMENTS from Spears® Innovation and Technology



SPEARS® MANUFACTURING COMPANY • CORPORATE OFFICE

15853 Olden St., Sylmar, CA 91342 • PO Box 9203, Sylmar, CA 91392
(818) 364-1611 • www.spearsmfg.com



PACIFIC SOUTHWEST

15860 Olden St.
Sylmar (Los Angeles), CA 91342
(818) 364-1611 • (800) 862-1499
Fax (818) 367-3014

ROCKY MOUNTAIN

4880 Florence St.
Denver, CO 80238
(303) 371-9430 • (800) 777-4154
Fax (303) 375-9546

UTAH

5395 West 1520 South
Salt Lake City, UT 84104
(303) 371-9430 • (800) 777-4154
Fax (303) 375-9546

SOUTHEAST

4205 Newpoint Pl., Suite 100
Lawrenceville (Atlanta), GA 30043
(678) 985-1263 • (800) 662-6326
Fax (678) 985-5642

MIDWEST

1 Gateway Ct., Suite A
Bolingbrook (Chicago), IL 60440
(630) 759-7529 • (800) 662-6330
Fax (630) 759-7515

NORTHWEST

4103 C St. NE Suite 200
Auburn (Seattle), WA 98002
(253) 939-4433 • (800) 347-7327
Fax (253) 939-7557

SOUTH CENTRAL

1000 Lakeside Parkway
Flower Mound, TX 75028
(469) 528-3000 • (800) 441-1437
Fax (469) 528-3001

NORTHEAST

590 Industrial Dr., Suite 100
Lewisberry (Harrisburg), PA 17339-9532
(717) 938-8844 • (800) 233-0275
Fax (717) 938-6547

FLORIDA

9563 Parksouth Court
Orlando, FL 32837
(407) 843-1960 • (800) 327-6390
Fax (407) 425-3563

INTERNATIONAL SALES

15853 Olden St.
Sylmar (Los Angeles), CA 91342
(818) 364-1611 • Fax (818) 898-3774

Authorized Distributor