



**UNION-TITE DUCTILE IRON
C153 COMPACT FITTINGS**
Sizes 4"-12" UL Listed for Fire Main Equipment

SAMPLE SPECIFICATIONS (Current ANSI/AWWA revisions apply)

4" through 24" Push-On joint ductile iron fittings shall be produced in accordance with all applicable terms and provisions of ANSI/AWWA C153/A21.53. Fittings are cement-lined and seal-coated in accordance with ANSI/AWWA C104/A21.4. Joints shall be in accordance with manufacturer's design with bell sockets designed to receive pressure pipe O.D.'s as specified in ANSI/AWWA C151/A21.51 and AWWA C900 TABLE 2. The working pressure rating shall be 350 PSI, except for wyes and flanged-branch fittings. NOTE: Fittings are cement lined and seal coated in accordance with ANSI/AWWA C104/A21.4, also available bare or epoxy coated. Double cement lined available. Coated and/or lined fittings meet NSF-61, NSF-372 and Annex G.

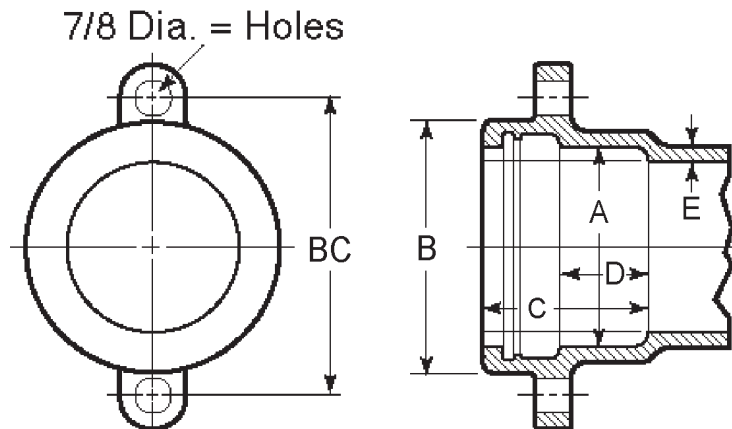
Thicknesses and dimensions of bell sockets and gaskets shall be in accordance with the manufacturer's design. Gaskets shall be furnished by the manufacturer. Working pressures apply to fittings only and do not apply to restraining lugs or external restraining devices. Installation of fittings shall be per AWWA C600 and AWWA C651, current revision.

NOTE: Standard restraining lugs are provided on sizes 4" through 16" ONLY. Restraining lugs are available on 18"-24" fittings provided sufficient time is available to make tooling adaptations.

EXCEPTIONS: Union-Tite fittings with flanged branches are rated for water pressure of 250 PSI but can be rated for 350 PSI with the use of an annular ring or comparable gasket. Wye fittings over 12" are not pressure rated, call Tyler Union for information.

ADVANTAGES AND FEATURES

- Push-on gasket joint uses **TYTON®** or **McWane 350 Sure Stop®** gaskets
- For use with Ductile iron pipe, C-900/905 PVC pipe, and 4"-12" pressure rated IPS diameter PVC pipe (with transition gasket)
- Deep stab joint design accommodates common spigot end taper on plastic pipes
- Slip joint installation eliminates T-bolts and nuts (MJ glands not needed)



BELL DIMENSIONS IN INCHES FOR UNION-TITE FITTINGS

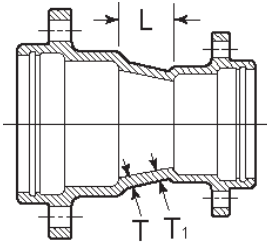
Pipe Size	A	B	B.C.	C	D	E
4	5.04	6.38	7.88	4.16	2.25	.35
6	7.14	8.52	10.50	4.29	2.25	.37
8	9.32	10.90	12.88	4.78	2.25	.39
10	11.37	12.91	14.69	4.98	2.25	.41
12	13.47	15.12	17.19	4.98	2.25	.43
14	15.64	18.12	19.00	5.40	2.25	.51
16	17.74	20.32	21.40	5.40	2.25	.52
18	19.83	22.52	...	5.40	2.25	.59
20	21.94	24.29	...	5.40	2.25	.60
24	26.14	29.14	...	5.65	2.50	.62

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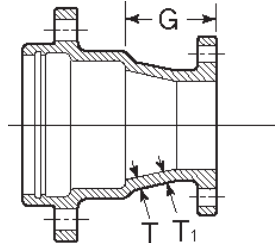
For Joint deflection, refer to Tyler Union product submittal 26U located on page 65 of this catalog.



REDUCERS



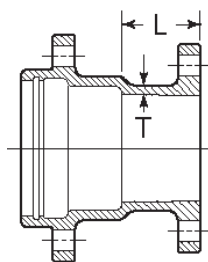
UT x UT Reducers



UT x Flange Reducers

Size	T	Dimensions		*G	Weights	
		T1	*L		UT x UT	UT x Flange
6x4	.37	.35	4.0	6.0	32	32
8x4	.39	.35	5.0	7.0	46	46
8x6	.39	.37	4.0	6.0	49	47
10x4	.41	.35	7.0	9.0	47	55
10x6	.41	.37	5.0	7.0	47	59
10x8	.41	.39	4.0	6.0	53	61
12x4	.43	.35	9.0	11.0	74	78
12x6	.43	.37	7.0	9.0	58	75
12x8	.43	.39	5.0	7.0	74	74
12x10	.43	.41	4.0	6.0	82	95
14x6	.51	.44	9.0	11.0	84	121
14x8	.51	.45	7.0	9.0	85	128
14x10	.51	.46	5.0	7.0	87	127
14x12	.51	.47	4.0	6.0	104	144
16x6	.52	.45	11.0	13.0	94	133
16x8	.52	.46	9.0	11.0	104	141
16x10	.52	.47	7.0	9.0	130	158
16x12	.52	.48	5.0	7.0	152	172
16x14	.52	.51	4.0	6.0	139	196
18x8	.59	.45	14.0	16.0	142	157
18x10	.59	.47	12.0	14.0	151	175
18x12	.59	.49	10.0	12.0	167	215
18x14	.59	.56	8.0	11.5	217	234
18x16	.59	.57	7.0	10.5	202	246
20x10	.60	.47	14.0	16.0	180	234
20x12	.60	.49	12.0	...	205	...
20x14	.60	.56	10.0	13.5	233	249
20x16	.60	.57	8.0	11.5	250	272
20x18	.60	.59	7.0	...	248	...
24x12	.62	.49	16.0	18.0	246	262
24x14	.62	.56	14.0	17.5	281	315
24x16	.62	.57	12.0	15.5	380	328
24x18	.62	.59	10.0	...	390	...
24x20	.62	.60	8.0	...	421	...

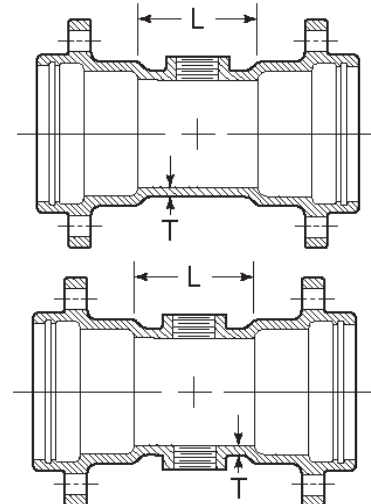
UT x Flange Adaptor



Size	Dimensions		Weight
	T	*L	
4	.35	6.0	28
6	.37	6.0	36
8	.39	6.0	54
10	.41	6.0	71
12	.43	6.0	102
14	.51	7.0	113
16	.52	7.0	115
20	.60	6.0	295

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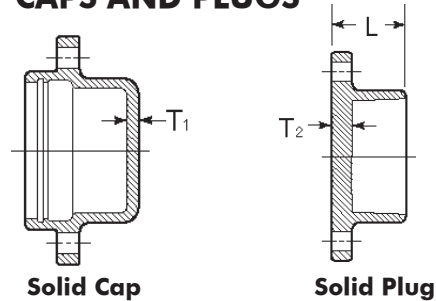
TAPPED TEE/CROSS



UT x Tapped Tee/Crosses

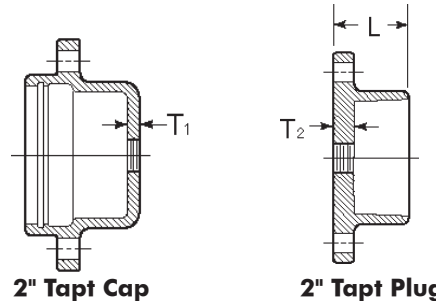
Size	T	Dimensions		*L	Weight
		Max Tap			
4	.35	3.0		6.0	27
6	.37	3.5		6.0	38
8	.39	3.5		6.0	59
10	.41	3.5		6.0	72
12	.43	3.5		6.0	92

CAPS AND PLUGS



Solid Cap

Solid Plug



2" Tapt Cap

2" Tapt Plug

UT Caps and Plugs*

Size	T1	T2	Dimensions		Weights	
			*L		Cap	Plug
4	.48	.50	5.25		15	8
6	.48	.50	5.25		20	23
8	.51	.53	5.25		35	32
10	.53	.56	5.25		50	38
12	.55	.62	5.25		75	49

*Restraining lugs (ears) available.