



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.

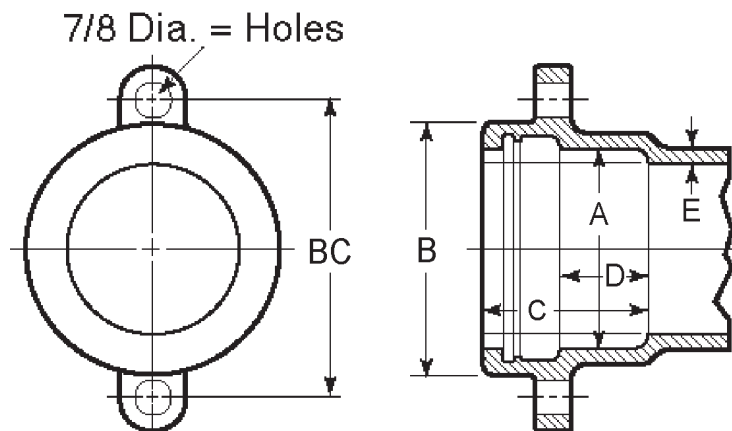
Thicknesses and dimensions of bell sockets and gaskets shall be in accordance with the manufacturer's design. Gaskets shall be furnished by the manufacturer. Working pressures apply to fittings only and do not apply to restraining lugs or external restraining devices. Installation of fittings shall be 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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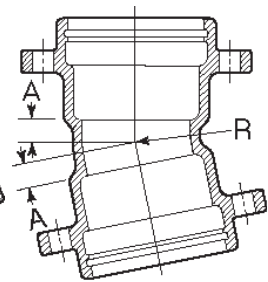
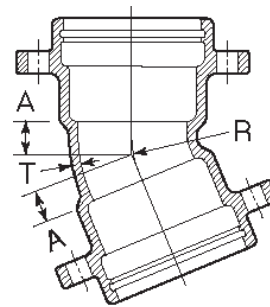
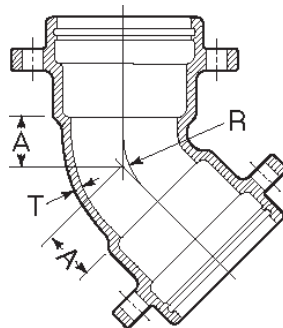
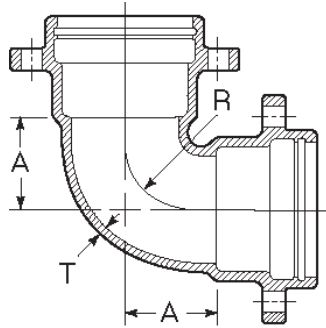
For Joint deflection, refer to Tyler Union product submittal 26U located on page 65 of this catalog.



BENDS

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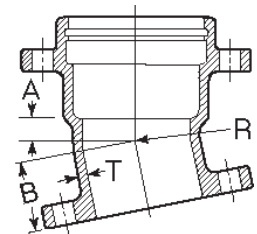
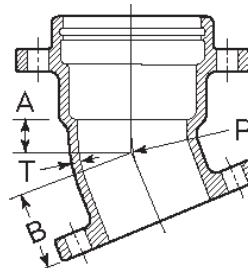
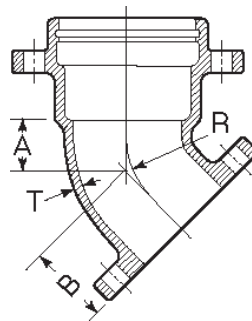
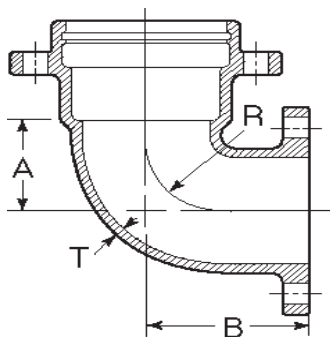
90° (1/4) UT Bends

45° (1/8) UT Bends

22 1/2° (1/16) UT Bends

11 1/4° (1/32) UT Bends

Size	T	Dimensions		Weight	Size	T	Dimensions		Weight	Size	T	Dimensions		Weight
		*A	*R				*A	*R				*A	*R	
4	.35	4.00	3.87	24	4	2.00	3.31	26	18	1.25	6.77	18	1.25	6.77
6	.37	5.00	5.37	51	6	3.00	5.72	42	39	1.50	9.38	40	1.50	9.38
8	.39	6.50	6.37	80	8	3.50	6.93	66	64	1.75	11.48	60	1.75	11.48
10	.41	7.50	8.36	121	10	4.50	9.34	101	67	2.00	13.95	77	2.00	13.95
12	.43	9.00	9.36	151	12	5.50	11.75	128	111	2.25	16.50	94	2.25	16.50
14	.51	11.50	10.98	254	14	5.00	10.85	143	162	2.50	14.26	113	2.50	14.26
16	.52	12.50	12.00	328	16	5.50	12.02	225	195	2.50	15.23	172	2.50	15.23
18	.59	14.00	14.00	482	18	6.00	12.36	209	209	3.00	60.94	209	3.00	60.94
20	.60	15.00	15.50	340	20	7.00	13.59	397	414	3.00	71.07	265	3.00	71.07
24	.62	16.75	15.59	674	24	7.50	14.69	492	596	...	...	...	...	...



**90° (1/4)
UT x Flange Bends**

**45° (1/8)
UT x Flange Bends**

**22 1/2° (1/16)
UT x Flange Bends**

**11 1/4° (1/32)
UT x Flange Bends**

Size	T	Dimensions				Weight	Dimensions				Weight	Dimensions				Weight	Dimensions				Weight
		*A	*B	*R			*A	*B	*R			*A	*B	*R			*A	*B	*R		
4	.35	4.5	6.5	3.87	31	2.0	4.0	3.31	21	1.50	3.5	4.38	25	1.25	3.30	6.77	24				
6	.37	6.0	7.0	5.37	49	3.0	5.0	5.72	42	2.25	4.3	8.16	44	1.50	3.50	9.38	30				
8	.39	7.0	9.0	6.37	74	3.5	5.5	6.93	60	2.50	4.5	9.40	64	1.75	3.75	11.48	61				
10	.41	9.0	10.0	8.36	130	4.5	6.5	9.34	93	3.00	5.3	13.17	90	2.00	4.00	13.95	80				
12	.43	10.0	12.0	9.36	158	5.5	7.5	11.75	122	3.50	5.5	14.42	112	2.25	4.30	16.50	94				
14	.51	12.0	15.5	10.98	231	5.5	8.5	10.85	162	3.75	6.8	13.82	174	2.60	5.75	14.26	170				
16	.52	13.0	16.5	12.00	233	6.0	9.5	12.02	275	4.00	7.5	14.97	228	2.60	6.10	15.23	228				