

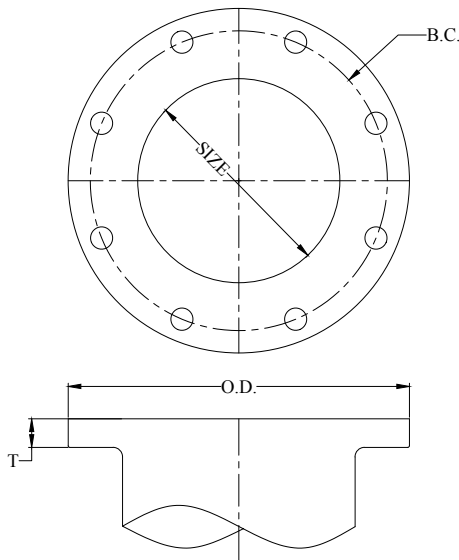
C110 DUCTILE IRON FULL BODY FITTINGS

SAMPLE SPECIFICATIONS

(Current ANSI/AWWA revisions apply)

Flanged fittings, 2" through 64", shall be manufactured of ductile iron in accordance with all applicable terms and provisions of standards ANSI/AWWA C110/A21.10. Flange surfaces shall be faced and drilled in accordance with ANSI Class 125, B16.1. All ductile iron flanged fittings shall be rated for water pressure of 250 psi. Flanged ductile iron fittings in 24" (610 mm) and smaller sizes may be rated for 350 psi (2,413 kPa) with the use of special gaskets.

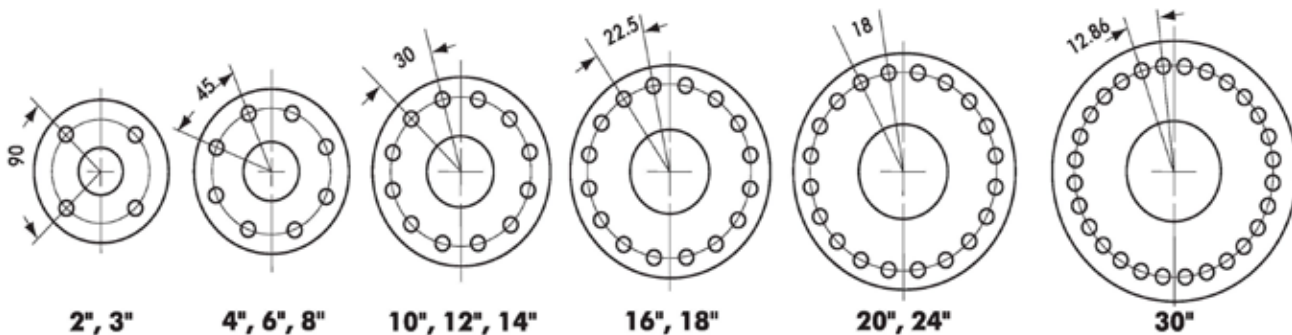
NOTE: Fittings are available prime coated, bare or epoxy coated. All coated fittings meet requirements of NSF-61, NSF-372 and Annex G. Interiors of fittings shall be lined and seal coated in accordance with ANSI/AWWA C104/A21.4. Installation of fittings shall be per AWWA C110.



ANSI/AWWA C110 Class 125 Flange Fittings

FLANGE DETAILS						
Nominal Pipe Size Inch	Flange O.D.	B.C. Diameter	Flange Thickness T	Bolt Hole Diameter	Number of Bolts	Bolt Dia. and Lengths
2	6.00	4.75	0.62	0.750	4.00	5/8 x 2 1/4
3	7.50	6.00	0.75	0.750	4.00	5/8 x 2 1/2
4	9.00	7.50	0.94	0.750	8.00	5/8 x 3
6	11.00	9.50	1.00	0.880	8.00	3/4 x 3 1/2
8	13.50	11.75	1.12	0.880	8.00	3/4 x 3 1/2
10	16.00	14.25	1.19	1.000	12.00	7/8 x 4
12	19.00	17.00	1.25	1.000	12.00	7/8 x 4
14	21.00	18.75	1.38	1.130	12.00	1 x 4 1/2
16	23.50	21.25	1.44	1.130	16.00	1 x 4 1/2
18	25.00	22.75	1.56	1.250	16.00	1 1/8 x 5
20	27.50	25.00	1.69	1.250	20.00	1 1/8 x 5
24	32.00	29.50	1.88	1.375	20.00	1 1/4 x 5 1/2
30	38.75	36.00	2.12	1.375	28.00	1 1/4 x 6 1/2
36	46.00	42.75	2.38	1.625	32.00	1 1/2 x 7
42	53.00	49.50	2.62	1.625	36.00	1 1/2 x 7 1/2
48	59.50	56.00	2.75	1.625	44.00	1 1/2 x 8
54	66.25	62.75	3.00	2.00	44	1 3/4 x 8 1/2
60	73.00	69.25	3.12	2.00	52	1 3/4 x 9
64	80.00	76.00	3.38	2.00	52	1 3/4 x 9

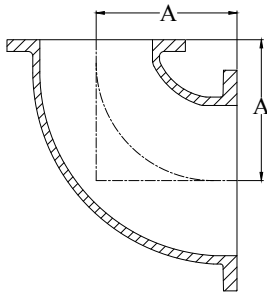
Contact Tyler Union for 54"-64" flange fitting information.



NOTE: Drilling templates are in multiples of four so that fittings may be made to face in any quarter. Bolt holes shall straddle the center line.



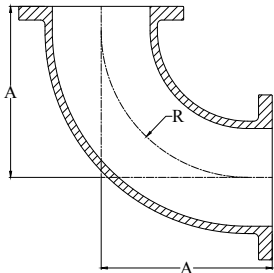
C110 DUCTILE IRON FULL BODY FITTINGS



90° REDUCING BEND (1/4)

Size	A	Weight
4x3	6.50	35
6x4	8.00	65
8x4	9.00	88
8x6	9.00	96
10x6	11.00	126
10x8	10.00	151
12x6	12.00	172
12x8	12.00	191
12x10	12.00	218
14x3	14.00	230
14x8	14.00	240
16x10	15.00	280

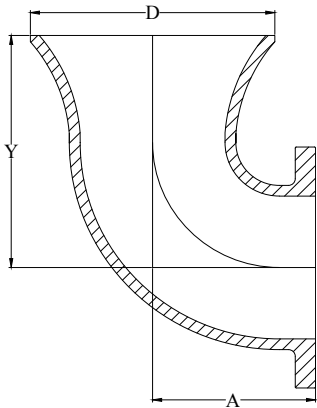
*Not included in AWWA C110. Contact Tyler Union for sizes not shown.



90° LONG RADIUS BEND (1/4)

Size	R	A	Weight
3	6.25	7.75	32
4	7.00	9.00	46
6	9.50	11.50	83
8	12.00	14.00	140
10	14.50	16.50	252
12	17.00	19.00	310
14	19.00	21.50	475
16	21.50	24.00	630
18	—	26.50	840
20	—	29.00	1080
24	—	34.00	1640

*Not included in AWWA C110. Contact Tyler Union for sizes not shown.



FLANGE AND FLARE 90° BEND (1/4)

Size	D	X	Y	Weight
3	8.00	5.50	8.50	26
4	9.00	6.50	9.50	39
6	11.00	8.00	12.00	73
8	14.00	9.00	13.00	110
10	16.00	11.00	15.00	171
12	19.00	12.00	16.00	253
14	21.00	14.00	22.00	450
16	24.00	15.00	23.00	545
18	25.00	16.50	24.50	675
20	28.00	18.00	26.00	860
24	32.00	22.00	30.00	1195
30	39.00	25.00	38.00	2070
36	48.00	28.00	38.00	2900