

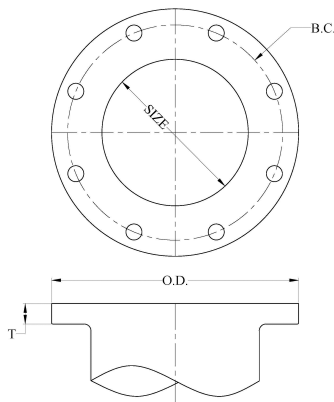
☐ DOMESTIC

☐ NON-DOMESTIC

SUBMITTAL: C110 FLANGE JOINT CLASS 125 PRODUCT

(Current revisions for the noted Standards apply)

SIZES:	2" - 64" (Contact Tyler Union for 54" - 64" flange fitting information)
STANDARDS:	ANSI/AWWA C110/A21.10, NFPA 13/24, ASME B16.1, 3" - 12" UL listed and FM approved
MATERIAL:	Cast of ASTM A536 qualified ductile iron. Date code is cast on and required for traceability.
PRESSURE RATING:	*Flanged fittings *2" - 48" rated at 250 psi. 54" - 64" rated at 150psi. *Note: With rubber annular ring flange gasket, 2" - 24" flanged fittings can be rated at 350 psi.
DEFLECTION:	Deflection is "not" recommended for flange joint due to the rigidity of the joint.
NSF-61 & NSF372:	Meets all requirements including Annex G, Tyler Union's Underwriters Laboratory listing MH16439.
COATING:	Asphaltic or Primer per ANSI/AWWA C104/A21.4, Standard primer is Tnemec Pota Pox N140-1211. Contact Tyler Union for additional coating options.
CEMENT LINING:	Per ANSI/AWWA C104/A21.4, with double cement lining available upon request.
EPOXY COATING:	Fusion bonded epoxy per ANSI/AWWA C116/A21.16. Additional coatings available upon request.
BARE FITTINGS:	Available upon request.
FLANGES:	ANSI Class 125 per ASME B16.1 and ANSI/AWWA C111/A21.11. Bolt holes shall straddle the center line NOTE: Class 125 ASME B16.1 are not compatible with Class 250 Flanges NOTE: Class 250 ASME B16.1 fittings are available upon request.
FASTNERS:	High strength low alloy weathering steel per ANSI/AWWA C111/A21.11 and ASTM A242
INSTALLATION:	Install per AWWA C600/C651 using pipe conforming to ANSI/AWWA C151/A21.51.



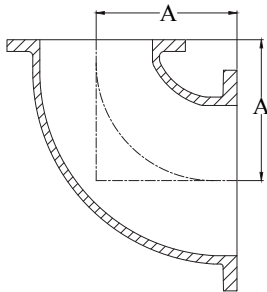
FLANGE DETAILS IN INCHES

BOLTS

Size Inches	Diameter DI Pipe	Flange O.D.	B.C. Diameter	Flange Thickness T	Bolt Hole Diameter	Size	Qty
2	2.51	6.00	4.75	0.62	0.750	5/8 x 2-1/4	4
3	3.96	7.50	6.00	0.75	0.750	5/8 x 2-1/4	4
4	4.80	9.00	7.50	0.94	0.750	5/8 x 3	8
6	6.90	11.00	9.50	1.00	0.875	3/4 x 3-1/2	8
8	9.05	13.50	11.75	1.12	0.875	3/4 x 3-1/2	8
10	11.10	16.00	14.25	1.19	1.000	7/8 x 4	12
12	13.20	19.00	17.00	1.25	1.000	7/8 x 4	12
14	15.30	21.00	18.75	1.38	1.125	1 x 4-1/2	12
16	17.40	23.50	21.25	1.44	1.125	1 x 4-1/2	16
18	19.50	25.00	22.75	1.56	1.250	1-1/8 x 5	16
20	21.60	27.50	25.00	1.69	1.250	1-1/8 x 5	20
24	25.80	32.00	29.50	1.88	1.375	1-1/4 x 5-1/2	20
30	32.00	38.75	36.00	2.12	1.375	1-1/4 x 5-1/2	28
36	38.30	46.00	42.75	2.38	1.625	1-1/2 x 7	32
42	44.50	53.00	49.50	2.62	1.625	1-1/2 x 7-1/2	36
48	50.80	59.50	56.00	2.75	1.625	1-1/2 x 8	44
54	Available on Request						
60	Available on Request						
64	Available on Request						

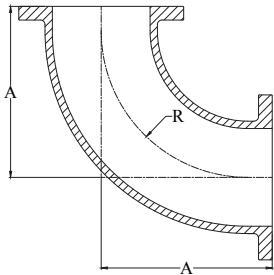


C110 DUCTILE IRON FULL BODY FITTINGS



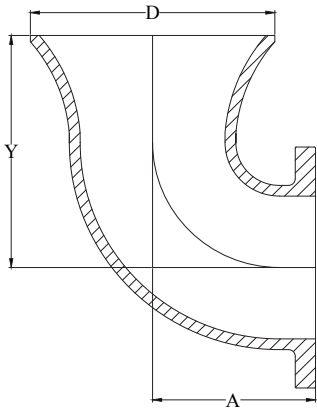
90° REDUCING BEND (1/4)		
Size	A	Weight
4x3	6.50	35
6x4	8.00	65
8x4	9.00	88
8x6	9.00	96
10x6	11.00	126
10x8	11.00	151
12x6	12.00	172
12x8	12.00	191
12x10	12.00	218
14x3	14.00	230
14x8	14.00	240
16x10	15.00	280

*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	A	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	21.50	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