

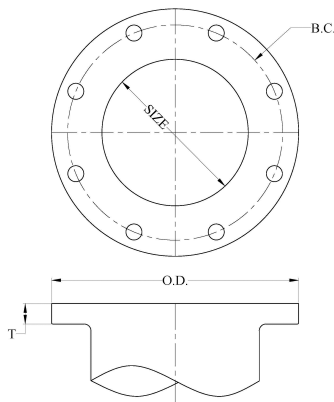
☐ DOMESTIC

☐ 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.



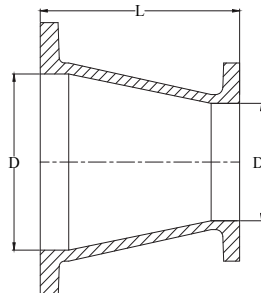
FLANGE DETAILS IN INCHES

BOLTS

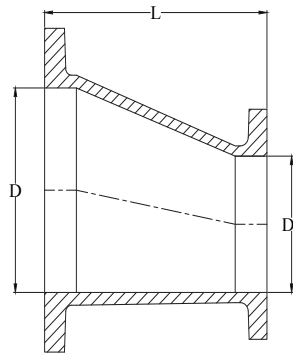
Size Inches	Diameter DI Pipe	Flange O.D.	B.C. Diameter	Flange Thickness T	Bolt Hole Diameter	Size	Qty
2	2.51	6.00	4.75	0.62	0.750	5/8 x 2-1/4	4
3	3.96	7.50	6.00	0.75	0.750	5/8 x 2-1/4	4
4	4.80	9.00	7.50	0.94	0.750	5/8 x 3	8
6	6.90	11.00	9.50	1.00	0.875	3/4 x 3-1/2	8
8	9.05	13.50	11.75	1.12	0.875	3/4 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

CONCENTRIC REDUCER				
			Domestic	Import
D	D1	L	Weight	Weight
3.00	2.00	6.00	17	—
4.00	2.00	7.00	23	—
4.00	3.00	7.00	29	30
6.00	2.00	9.00	30	—
6.00	3.00	9.00	44	40
6.00	4.00	9.00	46	45
6.00	5.00	9.00	56	—
8.00	3.00	11.00	61	65
8.00	4.00	11.00	63	—
8.00	5.00	11.00	70	—
8.00	6.00	11.00	75	75
10.00	4.00	12.00	98	85
10.00	6.00	12.00	107	90
10.00	8.00	12.00	116	110
12.00	4.00	14.00	119	120
12.00	6.00	14.00	130	130
12.00	8.00	14.00	152	145
12.00	10.00	14.00	178	170
14.00	6.00	16.00	165	155
14.00	8.00	16.00	185	175
14.00	10.00	16.00	205	190
14.00	12.00	16.00	235	220
16.00	6.00	18.00	210	190
16.00	8.00	18.00	230	210
16.00	10.00	18.00	255	235
16.00	12.00	18.00	285	265
16.00	14.00	18.00	315	280
18.00	8.00	19.00	265	240
18.00	10.00	19.00	290	265
18.00	12.00	19.00	320	295
18.00	14.00	19.00	350	310
18.00	16.00	19.00	405	340
20.00	10.00	20.00	418	—
20.00	12.00	20.00	465	345
20.00	14.00	20.00	430	355
20.00	16.00	20.00	445	390
20.00	18.00	20.00	470	410
24.00	12.00	24.00	608	480
24.00	14.00	24.00	565	490
24.00	16.00	24.00	610	525
24.00	18.00	24.00	645	550
24.00	20.00	24.00	695	590
30.00	16.00	30.00	945	—
30.00	18.00	30.00	970	810
30.00	20.00	30.00	1144	870
30.00	24.00	30.00	1155	970
36.00	20.00	36.00	—	1230
36.00	24.00	36.00	—	1345
36.00	30.00	36.00	—	1555
42.00	24.00	42.00	1810	1820
42.00	30.00	42.00	2060	2060
42.00	36.00	42.00	—	2345
48.00	30.00	48.00	2615	2625
48.00	36.00	48.00	2940	2950
48.00	42.00	48.00	3320	3320



Concentric Reducer



Eccentric Reducer

*ECCENTRIC REDUCER				
			Domestic	Import
D	D1	L	Weight	Weight
4.00	3.00	7.00	30	—
6.00	3.00	9.00	45	—
6.00	4.00	9.00	52	45
8.00	4.00	11.00	70	—
8.00	6.00	11.00	80	—
10.00	4.00	12.00	95	—
10.00	6.00	12.00	98	—
10.00	8.00	12.00	123	—
12.00	4.00	14.00	120	—
12.00	6.00	14.00	135	—
12.00	8.00	14.00	149	—
12.00	10.00	14.00	177	—
14.00	6.00	16.00	165	—
14.00	8.00	16.00	185	—
14.00	10.00	16.00	205	—
14.00	12.00	16.00	294	—
16.00	6.00	18.00	210	—
16.00	8.00	18.00	230	—
16.00	10.00	18.00	255	—
16.00	12.00	18.00	285	—
16.00	14.00	18.00	315	—
18.00	8.00	19.00	265	—
18.00	10.00	19.00	290	—
18.00	12.00	19.00	306	—
18.00	14.00	19.00	350	—
18.00	16.00	19.00	385	—
20.00	10.00	20.00	350	—
20.00	12.00	20.00	370	—
20.00	14.00	20.00	402	—
20.00	16.00	20.00	449	—
20.00	18.00	20.00	455	—
24.00	12.00	24.00	535	—
24.00	14.00	24.00	570	—
24.00	16.00	24.00	614	—
24.00	18.00	24.00	645	—
24.00	20.00	24.00	695	—
30.00	16.00	30.00	778	—
30.00	18.00	30.00	810	—
30.00	20.00	30.00	870	—
30.00	24.00	30.00	970	—
36.00	24.00	36.00	1425	—
36.00	30.00	36.00	2120	—
42.00	24.00	42.00	2340	—
42.00	30.00	42.00	2060	—
42.00	36.00	42.00	2345	—
48.00	30.00	48.00	2625	—
48.00	36.00	48.00	2950	—
48.00	42.00	48.00	3320	—

*Eccentric Reducers not included in AWWA C110.