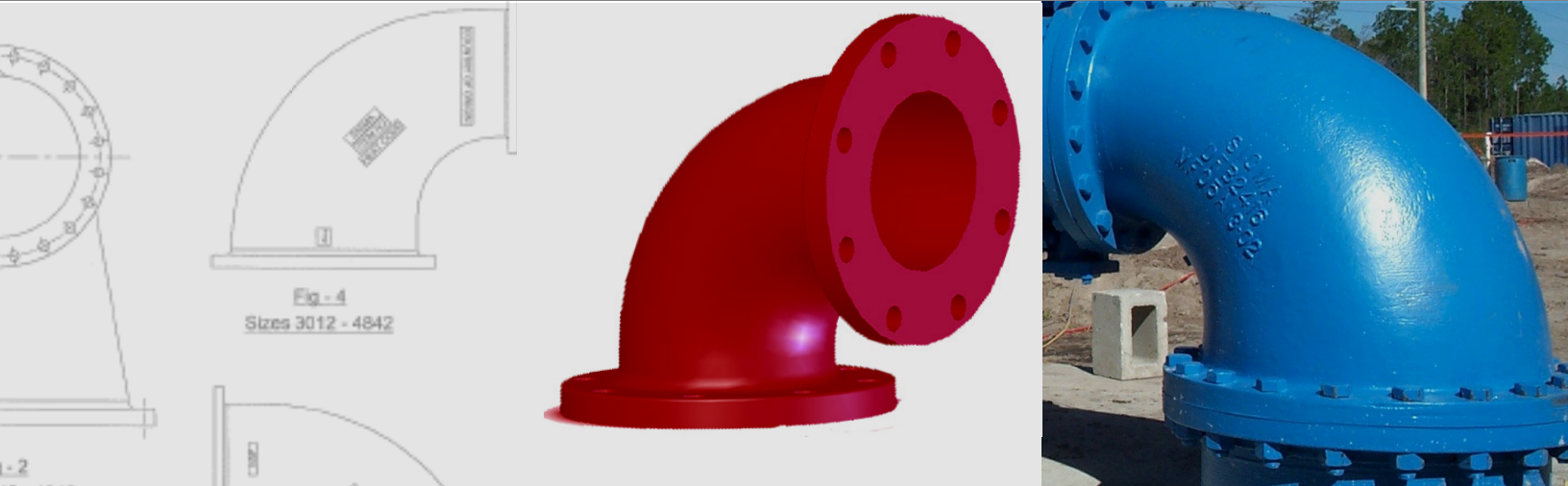




Quality – Service – Commitment – Delivered.

C110 DUCTILE IRON FLANGED FITTINGS



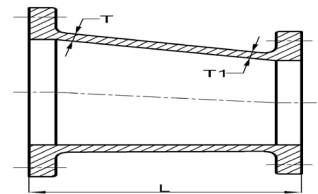
C110 DUCTILE IRON FLANGED FITTINGS BASIC SPECIFICATIONS

SIZES:	2" - 64"
MATERIAL:	Ductile Iron ASTM A536 Grade 60-42-10, 65-45-12 or 70-50-05.
PRESSURE:	250 PSI Water Working Pressure for Ductile Iron sizes 2" - 48". 150 PSI Water Working Pressure for Ductile Iron sizes 54" - 64".
TESTING:	- In accordance with ANSI / AWWA C110 / A21.10 where applicable. - Other items are in accordance with manufacturer's standards. 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53. - All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard. - All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with SIGMA Quality Management Standards.
LAYING LENGTH:	- In accordance with ANSI / AWWA C110 / A21.10 where applicable. - Other items are in accordance with manufacturer's standards.
CEMENT LINING:	54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
COATING:	- Double cement lined in accordance with ANSI/AWWA C104 / A21.4. - Interior of fitting is seal coated (asphalt material) in accordance with ANSI / AWWA C104/A21.4 and NSF61 approved. - Red Primer Outside. - For special conditions, other types of coatings and linings are available. - Please specify when ordering.
GASKETS:	- SBR in accordance with ANSI/AWWA C111/A21.11 & ANSI/AWWA C111/A21.11. - Also available in EPDM, NBR and CR.
APPROVALS:	2"-16" Underwriters Laboratories listed and Factory Mutual Approved.
STANDARDS:	- Certified to NSF61 Standard including Annex G & 372. - ANSI / AWWA C110 / A21.10 Where applicable. - Other items are in accordance with manufacturer's standards.
INSTALLATION:	54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53. - Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/ C905.

ECCENTRIC REDUCERS

Size	Wt.	CAST IRON Item No.	DUCTILE IRON Item No.	L	T	T1
3 x 2	16	CFE32	DFE32	6.00	0.48	0.31
3 x 2 1/2	21	CFE325	DFE325	6.00	0.48	0.31
4 x 2	25	CFE42	DFE42	7.00	0.52	0.31
4 x 2 1/2	28	CFE425	DFE425	7.00	0.52	0.31
4 x 3	30	CFE43	DFE43	7.00	0.52	0.48
6 x 2	35	CFE62	DFE62	9.00	0.55	0.31
6 x 2 1/2	38	CFE625	DFE625	9.00	0.55	0.31
6 x 3	40	CFE63	DFE63	9.00	0.55	0.48
6 x 4	45	CFE64	DFE64	9.00	0.55	0.52
6 x 5	51	CFE65	DFE65	9.00	0.55	0.52
8 x 4	65	CFE84	DFE84	11.00	0.60	0.52
8 x 5	70	CFE85	DFE85	11.00	0.60	0.52
8 x 6	75	CFE86	DFE86	11.00	0.60	0.55
10 x 4	85	CFE104	DFE104	12.00	0.68	0.52
10 x 6	90	CFE106	DFE106	12.00	0.68	0.55
10 x 8	110	CFE108	DFE108	12.00	0.68	0.60
12 x 4	120	CFE124	DFE124	14.00	0.75	0.52
12 x 6	130	CFE126	DFE126	14.00	0.75	0.55
12 x 8	145	CFE128	DFE128	14.00	0.75	0.60
12 x 10	170	CFE1210	DFE1210	14.00	0.75	0.68
14 x 6	155	CFE146	DFE146	16.00	0.66	0.55
14 x 8	175	CFE148	DFE148	16.00	0.66	0.60
14 x 10	190	CFE1410	DFE1410	16.00	0.66	0.68
14 x 12	220	CFE1412	DFE1412	16.00	0.66	0.75
16 x 6	190	CFE166	DFE166	18.00	0.70	0.55
16 x 8	210	CFE168	DFE168	18.00	0.70	0.60
16 x 10	235	CFE1610	DFE1610	18.00	0.70	0.68
16 x 12	265	CFE1612	DFE1612	18.00	0.70	0.75
16 x 14	280	CFE1614	DFE1614	18.00	0.70	0.66
18 x 6			DFE186	19.00	0.75	0.55
18 x 8	240	CFE188	DFE188	19.00	0.75	0.60
18 x 10	265	CFE1810	DFE1810	19.00	0.75	0.68
18 x 12	295	CFE1812	DFE1812	19.00	0.75	0.75
18 x 14	310	CFE1814	DFE1814	19.00	0.75	0.66
18 x 16	340	CFE1816	DFE1816	19.00	0.75	0.70
20 x 6			DFE206	20.00	0.75	0.55
20 x 8			DFE208	20.00	0.75	0.60
20 x 10	310	CFE2010	DFE2010	20.00	0.80	0.68
20 x 12	345	CFE2012	DFE2012	20.00	0.80	0.75
20 x 14	355	CFW2014	DFE2014	20.00	0.80	0.66

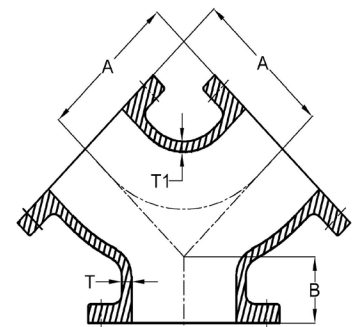
Size	Wt.	CAST IRON Item No.	DUCTILE IRON Item No.	L	T	T1
20 x 16	390	CFE2016	DFE2016	20.00	0.80	0.70
20 x 18	410	CFE2018	DFE2018	20.00	0.80	0.75
24 x 8			DFE248	24.00	0.89	0.60
24 x 12	480	CFE2412	DFE2412	24.00	0.89	0.75
24 x 14	490	CFE2414	DFE2414	24.00	0.89	0.66
24 x 16	525	CFE2416	DFE2416	24.00	0.89	0.70
24 x 18	550	CFE2418	DFE2418	24.00	0.89	0.75
24 x 20	590	CFE2420	DFE2420	24.00	0.89	0.80
30 x 10			DFE3010	30.00	1.03	0.68
30 x 12			DFE3012	30.00	1.03	0.75
30 x 16			DFE3616	30.00	1.03	0.70
30 x 18	810	CFE3018	DFE3018	30.00	1.03	0.75
30 x 20	870	CFE3020	DFE3020	30.00	1.03	0.80
30 x 24	970	CFE3024	DFE3024	30.00	1.03	0.89
36 x 10			DFE3610	36.00	1.15	0.68
36 x 16			DFE3616	36.00	1.15	0.70
36 x 20	1,230	CFE3620	DFE3620	36.00	1.15	0.80
36 x 24	1,345	CFE3624	DFE3624	36.00	1.15	0.89
36 x 30	1,555	CFE3630	DFE3630	36.00	1.15	1.03
42 x 24	1,820	CFE4224	DFE4224	42.00	1.28	0.89
42 x 30	2,060	CFE4230	DFE4230	42.00	1.28	1.03
42 x 36	2,345	CFE4236	DFE4236	42.00	1.28	1.15
48 x 30	2,625	CFE4830	DFE4830	48.00	1.42	1.03
48 x 36	2,950	CFE4836	DFE4836	48.00	1.42	1.15
48 x 42	3,320	CFE4842	DFE4842	48.00	1.42	1.28
54 x 24			DFE5424	32.00	0.90	0.61
54 x 30			DFE5430	32.00	0.90	0.61
54 x 36			DFE5436	28.00	0.90	0.66
54 x 42			DFE5442	25.00	0.90	0.76
54 x 48			DFE5448	18.00	0.90	0.80
60 x 36			DFE6036	32.00	1.50	1.15
60 x 48			DFE6048	20.00	0.94	0.80



Eccentric Reducers

TRUE WYES

Size	Wt.	CAST IRON Item No.	DUCTILE IRON Item No.	A	B	T	T1
3x3	30	CFW33	DFW33	5.50	3.00	0.48	0.48
4x4	55	CFW44	DFW44	6.50	3.00	0.52	0.52
6x4	60	CFW64	DFW64	6.50	3.50	0.55	0.52
6x6	85	CFW66	DFW66	8.00	3.50	0.55	0.55
8x6	100	CFW86	DFW86	8.00	4.50	0.60	0.55
8x8	140	CFW88	DFW88	9.00	4.50	0.60	0.60
10 x 8	155	CFW108	DFW108	9.00	5.00	0.68	0.60
10 x 10	185	CFW1010	DFW1010	11.00	5.00	0.68	0.68
12 x 8	210	CFW128	DFW128	9.00	5.50	0.75	0.60
12 x 10			DFW1210	12.00	5.50	0.75	0.68
12 x 12	300	CFW1212	DFW1212	12.00	5.50	0.75	0.75
14 x 14	435	CFW1414	DFW1414	14.00	6.00	0.66	0.66
16 x 16	580	CFW1616	DFW1616	15.00	6.50	0.70	0.70
18 x 18	680	CFW1818	DFW1818	16.50	7.00	0.75	0.75
20 x 20	960	CFW2424	DFW2020	18.00	8.00	0.80	0.80
24 x 24	1,370	CFW2424	DFW2424	22.00	9.00	0.89	0.89
30 x 18	1,185	CFW3018	DFW3018	25.00	10.00	1.37	0.96
30 x 20	1,210	CFW3020	DFW3020	25.00	10.00	1.37	1.03
30 x 24	1,585	CFW3024	DFW3024	25.00	10.00	1.37	1.16
30 x 30	2,630	CFW3030	DFW3030	25.00	10.00	1.37	1.37
36 x 24	2,080	CFW3624	DFW3624	28.00	12.00	1.58	1.16
36 x 30	2,655	CFW3630	DFW3630	28.00	15.00	1.58	1.37
36 x 36	3,470	CFW3636	DFW3636	28.00	15.00	1.58	1.58
42 x 30	3,410	CFW4230	DFW4230	31.00	11.75	1.78	1.37
42 x 36	4,205	CFW4236	DFW4236	31.00	19.00	1.78	1.58
42 x 42	5,235	CFW4242	DFW4242	31.00	21.00	1.78	1.78
48 x 36	4,415	CFW4836	DFW4836	28.00	14.00	1.96	1.58
48 x 48	6,565	CFW4848	DFW4848	34.00	18.00	1.96	1.96



True Wyes

Note: Cast Iron fittings available upon request

Weights in Pounds, Less Accessories / Dimensions in inches

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