

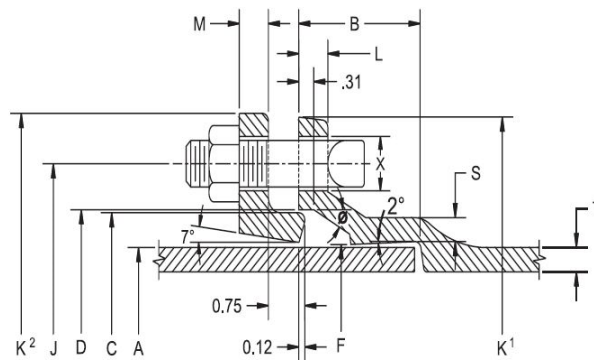
☐ DOMESTIC

☐ NON-DOMESTIC

SUBMITTAL: C153 MECHANICAL JOINT PRODUCT

(Current revisions for the noted Standards apply)

SIZES:	2" - 64" (2" not included in ANSI/AWWA C153 standard)
STANDARDS:	ANSI/AWWA C153/A21.53, NFPA13/24, 3"-16" UL and 3"-10" FM listed & approved (File - Tyler Union)
MATERIAL:	Cast of ASTM A536 qualified ductile iron. Date code is cast on and required for traceability.
PRESSURE RATING:	*Flanged fittings rated at 250 psi. Mechanical joints 2" – 24" rated at 350 psi and 30" – 48" at 250 psi. *Note: With rubber annular ring flange gasket, 2" – 24" Flanged fittings can be rated at 350 psi. Note: Wyes over 12" are not pressure rated. Contact Tyler Union for rating in your application.
DEFLECTION:	Joint deflection 5° max for 2"– 12" and 3° max for 14"– 48". Reduces by 50% at nominal pipe & fitting diameters
NSF-61 & NSF372:	Meets all requirements including Annex G, Tyler Union's Underwriters Laboratory listing MH16439.
ASPHALT COATING:	Per ANSI/AWWA C104/A21.4 and ANSI/AWWA C153/A21.53.
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.
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 or AWWA C900/905.

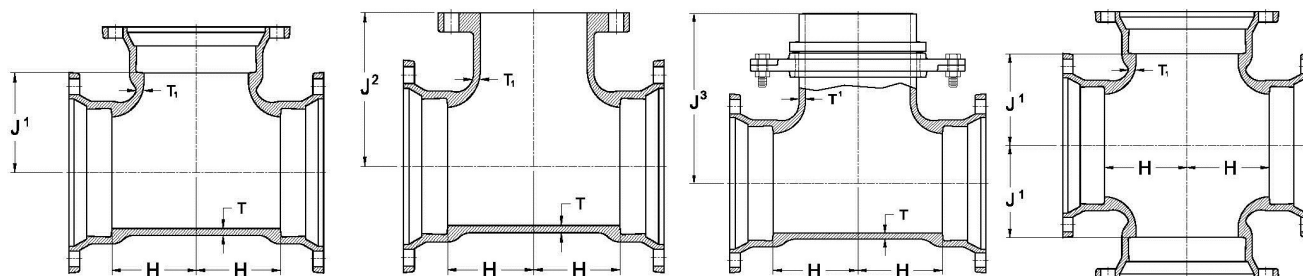


NOMINAL JOINT DIMENSIONS IN INCHES

BOLTS

Size Inches	A Dia. DI Pipe	B Hub Depth	C Dia. GLAND	D Dia.	F Dia.	J Dia. GLAND	K' Dia.	K'' Dia. GLAND	L	M GLAND	S	T	X	Size	Qty.
2	2.51	2.50	3.50	3.60	2.61	4.75	6.19	6.89	0.58	0.62	0.36	0.30	3/4	5/8x3	2
3	3.96	2.50	4.84	4.94	4.06	6.19	7.62	7.69	0.58	0.62	0.39	0.33	3/4	5/8x3	4
4	4.80	2.50	5.92	6.02	4.90	7.50	9.06	9.12	0.60	0.75	0.39	0.34	7/8	3/4x3-1/2	4
6	6.90	2.50	8.02	8.12	7.00	9.50	11.06	11.12	0.63	0.88	0.43	0.36	7/8	3/4x3-1/2	6
8	9.05	2.50	10.17	10.27	9.15	11.75	13.31	13.37	0.66	1.00	0.45	0.38	7/8	3/4x4	6
10	11.10	2.50	12.22	12.34	11.20	14.00	15.62	15.62	0.70	1.00	0.47	0.40	7/8	3/4x4	8
12	13.20	2.50	14.32	14.44	13.30	16.25	17.88	17.88	0.73	1.00	0.49	0.42	7/8	3/4x4	8
14	15.30	3.50	16.40	16.54	15.44	18.75	20.31	20.25	0.79	1.25	0.55	0.47	7/8	3/4x4-1/2	10
16	17.40	3.50	18.50	18.64	17.54	21.00	22.56	22.50	0.85	1.31	0.58	0.50	7/8	3/4x4-1/2	12
18	19.50	3.50	20.60	20.74	19.64	23.25	24.83	24.75	1.00	1.38	0.68	0.54	7/8	3/4x4-1/2	12
20	21.60	3.50	22.70	22.84	21.74	25.50	27.08	27.00	1.02	1.44	0.69	0.57	7/8	3/4x4-1/2	14
24	25.80	3.50	26.90	27.04	25.94	30.00	31.58	31.50	1.02	1.56	0.75	0.61	7/8	3/4x5	16
30	32.00	4.50	33.29	33.46	32.17	36.88	39.12	39.12	1.31	2.00	0.82	0.66	1-1/8	1x6	20
36	38.30	4.50	39.59	39.76	38.47	43.75	46.00	46.00	1.45	2.00	1.00	0.74	1-1/8	1x6	24
42	44.50	4.50	45.79	45.96	44.67	50.62	53.12	53.12	1.45	2.00	1.25	0.82	1-3/8	1-1/4x6-1/2	28
48	50.80	4.50	52.09	52.26	50.97	57.50	60.00	60.00	1.45	2.00	1.35	0.90	1-3/8	1-1/4x6-1/2	32
54	Available on Request														
60	Available on Request														
64	Available on Request														

C153 DUCTILE IRON COMPACT FITTINGS



MJ Tee							MJxFE Tee			MJxSwivel Tee				Cross	
Domestic							Weight			Import				Weight	
Size	T	T1	*H	*J1	*J2	*J3	MJ	MJ x FE	†MJ x S	T	T1	H	J1	MJ	Cross
24x6	0.62	0.44	7.00	16.00	19.00	21.50	465	451	457	0.61	0.36	7.00	16.00	415	—
24x8	0.62	0.45	8.00	16.00	—	—	475	—	—	0.61	0.38	8.00	16.00	445	481
24x10	0.62	0.47	9.00	16.00	—	—	516	—	—	0.61	0.40	9.00	16.00	470	—
24x12	0.62	0.49	10.00	16.00	—	—	549	580	—	0.61	0.42	10.00	16.00	500	529
24x14	0.62	0.56	11.00	16.00	—	—	585	—	—	0.61	0.47	11.00	16.00	550	—
24x16	0.62	0.57	12.00	16.00	—	—	625	744	—	0.61	0.50	12.00	16.00	580	576
24x18	0.62	0.59	13.00	16.00	—	—	675	—	—	0.61	0.54	13.00	16.00	625	—
24x20	0.62	0.60	14.00	16.00	—	—	740	—	—	0.61	0.57	14.00	16.00	660	1589
24	0.62	0.62	16.00	16.00	—	—	844	—	—	0.61	0.61	16.00	16.00	720	—
30x6	0.66	0.36	8.00	20.00	—	—	700	—	—	0.66	0.36	8.00	20.00	685	—
30x8	0.66	0.38	8.50	20.00	—	—	739	—	—	0.66	0.38	8.50	20.00	739	—
30x12	0.66	0.42	10.00	20.00	—	—	739	—	—	0.66	0.42	10.00	20.00	830	882
30x16	0.66	0.50	12.50	20.00	—	—	959	—	—	0.66	0.50	12.50	20.00	959	—
30x18	0.66	0.52	13.00	20.00	—	—	975	—	—	0.66	0.54	13.00	20.00	1039	—
30x20	0.66	0.57	15.00	20.00	—	—	995	—	—	0.66	0.57	15.00	20.00	995	—
30x24	0.66	0.61	16.00	20.00	—	—	1160	—	—	0.66	0.61	16.00	20.00	1060	1246
30	0.66	0.66	20.00	20.00	—	—	1323	—	—	0.66	0.66	20.00	20.00	1323	1840
36x6	0.74	0.36	7.00	23.50	—	—	630	—	—	0.74	0.36	8.00	23.50	685	—
36x8	0.74	0.38	9.00	23.50	—	—	739	—	—	0.74	0.38	8.50	23.50	739	—
36x10	0.74	0.47	10.00	23.50	—	—	739	—	—	0.74	0.40	10.00	23.50	830	882
36x12	0.74	0.49	10.00	23.50	—	—	959	—	—	0.74	0.42	12.50	23.50	959	—
36x14	0.74	0.56	12.50	23.50	—	—	1103	—	—	0.74	0.47	10.00	23.50	1146	—
36x16	0.74	0.57	12.50	23.50	—	—	1385	—	—	0.74	0.50	12.50	23.50	1190	—
36x18	0.74	0.59	13.00	23.50	—	—	1400	—	—	0.74	0.54	12.50	23.50	1410	—
36x20	0.74	0.60	15.00	23.50	—	—	1521	—	—	0.74	0.57	12.50	23.50	1365	—
36x24	0.74	0.61	16.00	23.50	—	—	1533	—	—	0.74	0.61	16.00	23.50	1446	1785
36x30	0.74	0.66	20.00	23.50	—	—	2270	—	—	0.74	0.66	20.00	23.50	1675	—
36	0.74	0.74	23.50	23.50	—	—	1910	—	—	0.74	0.74	23.50	23.50	2015	2655
42x12	0.82	0.62	10.00	27.50	—	—	1410	—	—	0.82	0.42	10.00	27.50	1885	—
42x24	0.82	0.62	20.00	27.50	—	—	2295	—	—	0.82	0.61	20.00	27.50	2270	2668
42x30	0.82	0.66	22.00	29.50	—	—	2337	—	—	0.82	0.66	22.00	30.00	2425	2950
42x36	0.82	0.74	30.00	30.00	—	—	3000	—	—	0.82	0.74	30.00	30.00	3000	3607
42	0.82	0.82	30.00	30.00	—	—	3169	—	—	0.82	0.82	30.00	30.00	3175	3725
48x12	0.90	0.62	9.00	32.00	—	—	2500	—	—	0.90	0.42	9.00	32.00	2535	—
48x24	0.90	0.62	23.00	32.00	—	—	2822	—	—	0.90	0.74	23.00	32.00	2870	—
48x36	0.90	0.82	33.50	33.25	—	—	3982	—	—	0.90	0.74	33.50	33.25	3900	—
48x42	0.90	0.82	33.50	33.50	—	—	4100	—	—	0.90	0.82	33.50	33.50	4100	—
48	0.90	0.82	33.50	33.50	—	—	4251	—	—	0.90	0.90	33.50	33.50	4250	4955

† Weight includes the swivel gland.