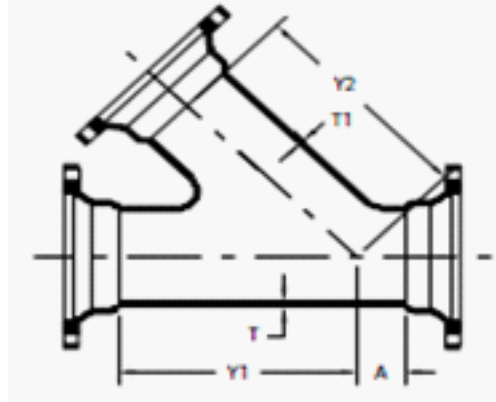




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FULL BODY MECHANICAL JOINT FITTINGS | **ANSI/AWWA C110/ A21.10**

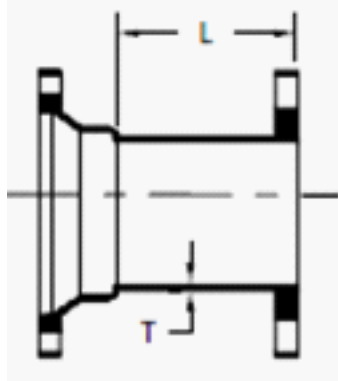


SIZE	MJDL					
	T	T1	A	Y1	Y2	Wt.
6x4	0.55	0.52	3.50	14.50	14.50	128
6x6	0.55	0.55	3.50	14.50	14.50	175
8x8	0.60	0.60	4.50	17.50	17.50	219
10x10	0.68	0.68	5.00	20.50	20.50	325

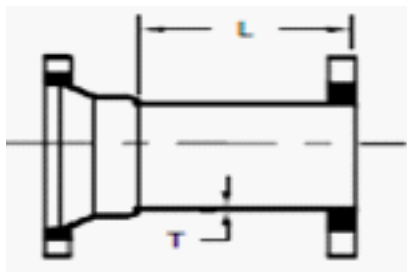


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FULL BODY MECHANICAL JOINT FITTINGS | **ANSI/AWWA C110/ A21.10**



MJ X FL ADAPTERS			
SIZE	MJDFA		
	T	L	Wt.
3	0.48	8.00	—
4	0.52	8.00	48
6	0.55	8.00	72
8	0.60	8.00	98
10	0.68	8.00	135
12	0.75	8.00	175
14	0.66	8.00	220
16	0.70	8.00	250
18	0.75	8.00	314
20	0.80	8.00	350
24	0.89	8.00	508

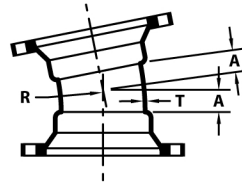
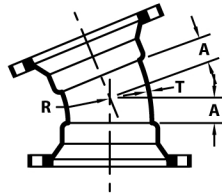
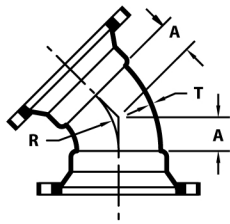
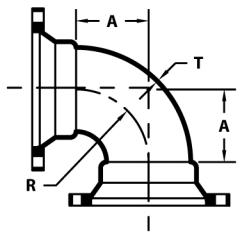


MJ X CL300 FLG ADAPTERS			
SIZE	MJDHFA		
	T	L	Wt.
4	0.48	8.00	60
6	0.52	8.00	90
8	0.55	8.00	125
10	0.60	8.00	174
12	0.68	8.00	230



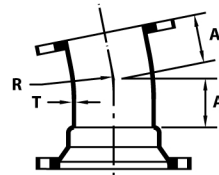
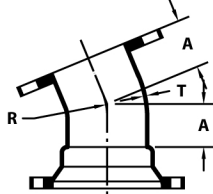
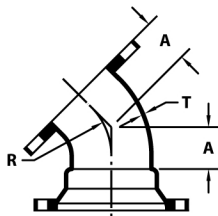
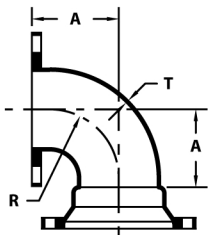
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FULL BODY MECHANICAL JOINT FITTINGS | ANSI / AWWA C110 / A21.10



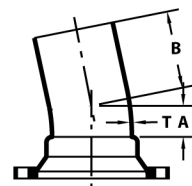
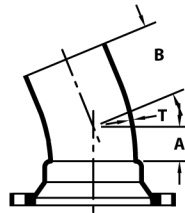
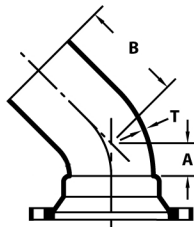
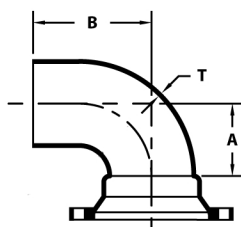
MJ X MJ BENDS

SIZE	T	MJDB			MJDB			MJDB			MJDB		
		90°			45°			22 1/2°			11 1/4°		
		A	R	Wt.	A	R	Wt.	A	R	Wt.	A	R	Wt.
2	0.39	3.25	2.25	15	1.80	1.93	11	1.80	4.02	12	1.80	8.12	13
3	0.48	5.50	4.00	35	3.00	3.62	30	3.00	7.56	30	3.00	15.25	29
4	0.52	6.50	4.50	55	4.00	4.81	50	4.00	10.06	50	4.00	20.31	50
6	0.55	8.00	6.00	85	5.00	7.25	75	5.00	15.06	75	5.00	30.50	75
8	0.60	9.00	7.00	125	5.50	8.44	110	5.50	17.62	110	5.50	45.69	110
10	0.68	11.00	9.00	190	6.50	10.88	155	6.50	22.62	160	6.50	55.81	160
12	0.75	12.00	10.00	255	7.50	13.25	215	7.50	27.62	220	7.50	50.75	220
14	0.66	14.00	11.50	400	7.50	12.06	310	7.50	25.12	308	7.50	55.81	308
16	0.70	15.00	12.50	480	8.00	13.25	370	8.00	27.62	360	8.00	60.94	360
18	0.75	16.50	14.00	641	8.50	14.50	450	8.50	30.19	450	8.50	71.06	450
20	0.80	18.00	15.50	725	9.50	16.88	580	9.50	35.19	570	9.50	76.12	540
24	0.89	22.00	18.50	1202	11.00	18.12	850	11.00	37.69	765	11.00	116.75	770



MJ X FL BENDS

SIZE	T	MJDFB			MJDFB			MJDFB			MJDFB		
		90°			45°			22 1/2°			11 1/4°		
		A	R	Wt.	A	R	Wt.	A	R	Wt.	A	R	Wt.
4	0.52	6.50	4.50	—	4.00	4.81	—	4.00	10.06	—	4.00	20.31	—
6	0.55	8.00	6.00	94	5.00	7.25	70	5.00	15.06	—	5.00	30.50	—
8	0.60	9.00	7.00	106	5.50	8.44	114	5.50	17.62	—	5.50	35.50	146
10	0.68	11.00	9.00	—	6.50	10.88	—	6.50	22.62	—	6.50	45.69	—
12	0.75	12.00	10.00	289	7.50	13.25	248	7.50	27.62	210	7.50	55.81	217
16	0.70	15.00	12.50	450	8.00	13.25	—	8.00	27.62	—	8.00	55.81	—
18	0.75	16.50	14.00	570	8.50	14.50	—	8.50	30.19	—	8.50	60.94	—
20	0.80	18.00	15.50	—	9.50	16.88	—	9.50	35.19	—	9.50	71.06	—
24	0.89	22.00	18.50	—	11.00	18.12	—	11.00	37.69	—	11.00	76.12	—



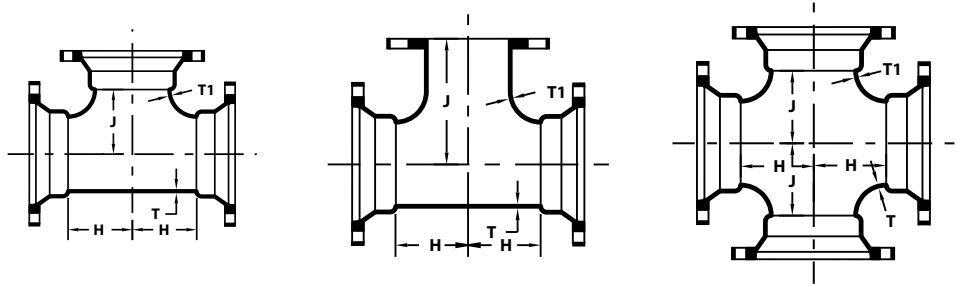
MJ X PE BENDS

SIZE	T	MJDPB			MJDPB			MJDPB			MJDPB		
		90°			45°			22 1/2°			11 1/4°		
		A	B	Wt.	A	B	Wt.	A	B	Wt.	A	B	Wt.
3	0.48	5.50	13.50	—	3.00	11.00	—	3.00	11.00	—	3.00	11.00	—
4	0.52	6.50	14.50	—	4.00	12.00	44	4.00	12.00	—	4.00	12.00	—
6	0.55	8.00	16.00	83	5.00	13.00	81	5.00	13.00	—	5.00	13.00	—
8	0.60	9.00	17.00	123	5.50	13.50	123	5.50	13.50	—	5.50	13.50	—
10	0.68	11.00	19.00	—	6.50	14.50	—	6.50	14.50	—	6.50	14.50	—
12	0.75	12.00	20.00	—	7.50	15.50	—	7.50	15.50	—	7.50	15.50	—
14	0.66	14.00	22.00	—	7.50	15.50	—	7.50	15.50	—	7.50	15.50	—
16	0.70	15.00	23.00	—	8.00	16.00	390	8.00	16.00	—	8.00	16.00	—
24	0.89	22.00	30.00	—	11.00	19.00	864	11.00	19.00	—	11.00	19.00	—



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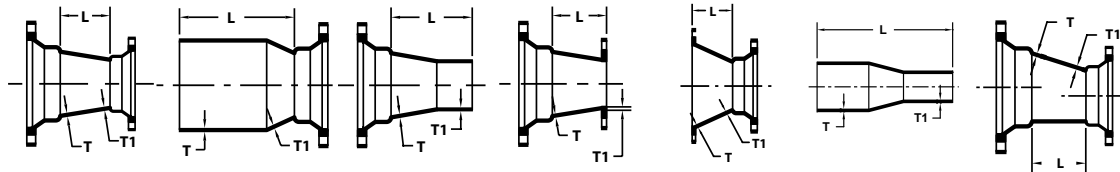


SIZE	T	T1	MJ X MJ TEES			MJ X FL TEES			MJ X MJ CROSS		
			MJDT			MJFT			MJDX		
			H	J	Wt	H	J	Wt	H	J	Wt
2x2	0.39	0.39	3.25	3.25	21	—	—	—	—	—	—
3x3	0.48	0.48	5.50	5.50	—	—	—	—	—	—	—
4x2	0.52	0.39	4.00	4.00	65	4.80	4.80	—	—	—	—
4x4	0.52	0.52	6.50	6.50	80	6.50	6.50	88	—	—	—
6x2	0.55	0.39	8.00	8.00	100	8.00	8.00	—	8.00	8.00	—
6x3	0.55	0.48	8.00	8.00	110	8.00	8.00	—	8.00	8.00	—
6x4	0.55	0.52	8.00	8.00	115	8.00	8.00	126	8.00	8.00	—
6x6	0.55	0.55	8.00	8.00	125	8.00	8.00	138	8.00	8.00	183
6X6X8	0.55	0.60	8.00	8.00	165	8.00	8.00	—	9.00	9.00	—
8X4	0.60	0.52	9.00	9.00	165	9.00	9.00	189	9.00	9.00	—
8x6	0.60	0.55	9.00	9.00	175	9.00	9.00	185	9.00	9.00	213
8x8	0.60	0.60	9.00	9.00	185	9.00	9.00	200	9.00	9.00	270
10x4	0.68	0.52	11.00	11.00	235	11.00	11.00	—	11.00	11.00	—
10x6	0.68	0.55	11.00	11.00	250	11.00	11.00	260	11.00	11.00	—
10x8	0.68	0.60	11.00	11.00	260	11.00	11.00	—	11.00	11.00	—
10x10	0.68	0.68	11.00	11.00	310	11.00	11.00	—	11.00	11.00	—
12x4	0.75	0.52	12.00	12.00	315	12.00	12.00	325	12.00	12.00	—
12x6	0.75	0.55	12.00	12.00	325	12.00	12.00	350	12.00	12.00	430
12x8	0.75	0.60	12.00	12.00	340	12.00	12.00	360	12.00	12.00	442
12x10	0.87	0.80	12.00	12.00	390	12.00	12.00	—	12.00	12.00	—
12x12	0.87	0.87	12.00	12.00	410	12.00	12.00	428	12.00	12.00	569
16x6	0.70	0.55	15.00	15.00	540	15.00	15.00	540	15.00	15.00	—
16x8	0.70	0.60	15.00	15.00	550	15.00	15.00	550	15.00	15.00	—
16x12	0.70	0.75	15.00	15.00	290	15.00	15.00	—	15.00	15.00	670
16x16	0.70	0.70	15.00	15.00	740	15.00	15.00	—	15.00	15.00	—
20x6	0.80	0.55	14.00	14.00	806	14.00	14.00	—	14.00	17.00	—
20x8	0.80	0.60	14.00	14.00	933	14.00	14.00	—	14.00	17.00	—
20x12	0.80	0.75	14.00	14.00	800	14.00	14.00	—	14.00	17.00	—
24x6	0.89	0.55	15.00	15.00	1210	15.00	15.00	1050	15.00	19.00	—
24x12	0.89	0.75	15.00	19.00	1256	15.00	19.00	1100	15.00	19.00	—
24x16	0.89	0.70	15.00	19.00	1245	15.00	19.00	—	15.00	19.00	—
24x20	0.89	0.80	22.00	22.00	1720	22.00	22.00	—	22.00	22.00	—
24x24	0.89	0.89	22.00	22.00	1815	22.00	22.00	1650	22.00	22.00	—



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FULL BODY MECHANICAL JOINT FITTINGS | ANSI / AWWA C110 / A21.10

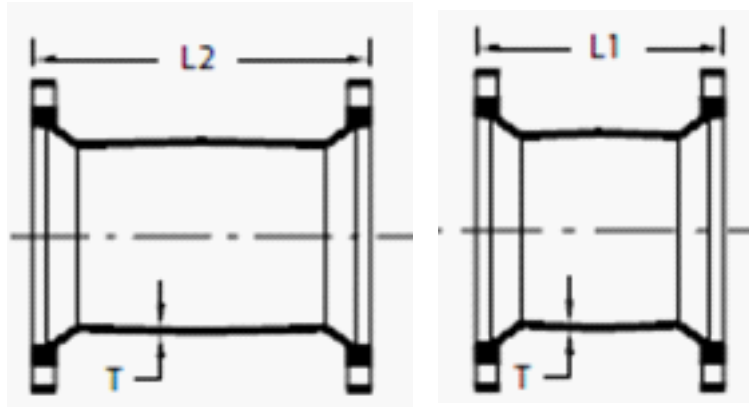


MJ REDUCERS												
SIZE	T	T1	MJ X MJ R		MJ X LEB		MJ X SEB		MJ X FL		PE X PE	
			MJDR		MJDR L		MJDR S		MJDR F		MJDR P	
			L	Wt.	L	Wt.	L	Wt.	L	Wt.	L	Wt.
3x2	0.48	0.39	6.00	24	14.00	—	14.00	23	6.00	—	—	—
4x2	0.52	0.39	7.00	35	15.00	—	15.00	27	7.00	—	—	—
4x3	0.52	0.48	7.00	40	15.00	—	15.00	—	7.00	36	—	—
6x2	0.55	0.39	9.00	47	17.00	—	17.00	—	9.00	—	—	—
6x3	0.55	0.48	9.00	55	17.00	—	17.00	—	9.00	—	—	—
6x4	0.55	0.52	9.00	60	17.00	—	17.00	—	9.00	—	—	—
8x3	0.60	0.48	11.00	75	19.00	—	19.00	—	11.00	—	—	—
8x4	0.60	0.52	11.00	86	19.00	—	19.00	—	11.00	—	—	—
8x6	0.60	0.55	11.00	95	19.00	—	19.00	—	11.00	76	—	—
10x4	0.68	0.52	12.00	105	20.00	—	20.00	—	12.00	—	—	—
10x6	0.68	0.55	12.00	115	20.00	—	20.00	—	12.00	—	—	—
10x8	0.68	0.60	12.00	135	20.00	—	20.00	—	12.00	—	—	—
12x4	0.75	0.52	14.00	144	22.00	—	22.00	—	14.00	—	—	—
12x6	0.75	0.55	14.00	180	22.00	140	22.00	—	14.00	—	30	175
12x8	0.75	0.60	14.00	165	22.00	—	22.00	185	14.00	177	—	—
12x10	0.75	0.68	14.00	190	22.00	—	22.00	—	14.00	—	—	—
14x12	0.66	0.75	16.00	280	24.00	—	24.00	—	16.00	—	—	—
16x8	0.70	0.60	18.00	330	26.00	—	26.00	—	18.00	—	—	—
16x10	0.70	0.68	18.00	300	26.00	—	26.00	—	18.00	—	—	—
16x12	0.70	0.75	18.00	360	26.00	—	26.00	—	18.00	—	—	—
16x14	0.70	0.66	18.00	—	26.00	—	26.00	320	18.00	—	—	—
20x8	0.80	0.60	20.00	516	28.00	—	28.00	—	20.00	—	—	—
20x10	0.80	0.68	20.00	478	28.00	—	28.00	—	20.00	—	—	—
24x12	0.89	0.75	24.00	650	32.00	—	32.00	—	24.00	550	—	—
24x16	0.89	0.70	24.00	702	32.00	—	32.00	—	24.00	—	—	—
24x18	0.89	0.75	24.00	775	32.00	—	32.00	—	24.00	—	—	—
30x24	1.03	0.89	30.00	1125	38.00	—	38.00	—	30.00	—	—	—



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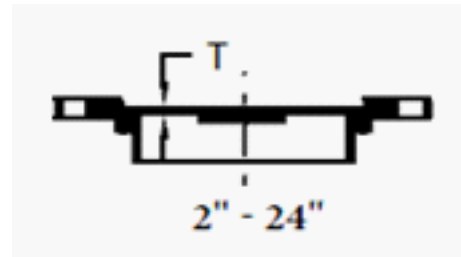
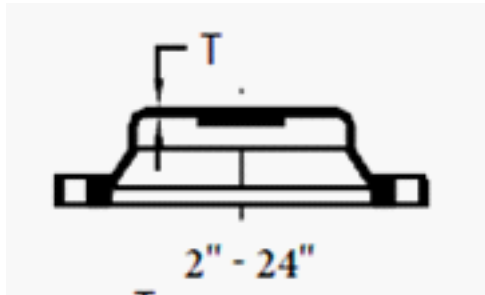


MJ x MJ SLEEVES					
SIZE	T	LONG		SHORT	
		MJDLS		MJDSS	
		L2	Wt.	L1	Wt.
2	0.39	12.00	18	7.50	18
3	0.48	12.00	30	7.50	25
4	0.52	12.00	45	7.50	35
6	0.55	12.00	65	7.50	45
8	0.60	12.00	85	7.50	65
10	0.68	12.00	115	7.50	85
12	0.75	12.00	145	7.50	110
14	0.66	15.00	—	9.50	—
16	0.70	15.00	290	9.50	194
18	0.75	15.00	373	9.50	—
20	0.80	15.00	403	9.50	—
24	0.89	15.00	578	9.50	—



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FULL BODY MECHANICAL JOINT FITTINGS | **ANSI/AWWA C110/ A21.10**



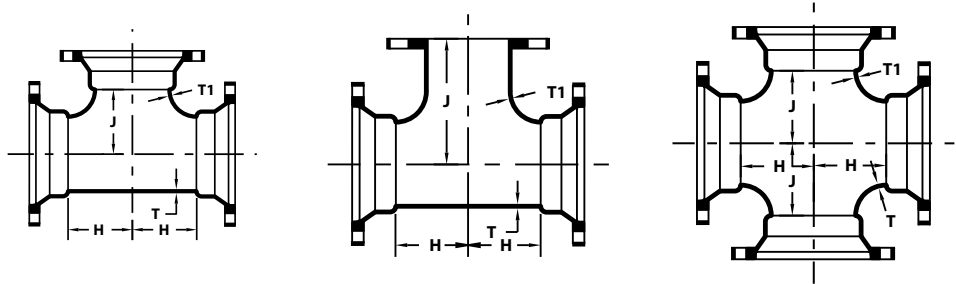
CAPS & PLUGS

SIZE	T	MJDC	MJDCT		MJDP	MJDPT	
		Wt.	Tap	Wt.	Wt.	Tap	Wt.
2	0.39	5	2"	6	6	2"	—
3	0.50	12	2"	15	10	2"	—
4	0.60	15	2"	19	19	2"	19
6	0.65	25	2"	25	25	2"	26
8	0.70	45	2"	45	45	2"	46
10	0.75	60	2"	65	65	2"	63
12	0.75	80	2"	85	85	2"	82
14	0.82	135	2"	—	—	2"	—
16	0.89	155	2"	157	155	2"	150
18	0.96	200	2"	193	215	2"	212
20	1.03	240	2"	235	235	2"	235
24	1.16	345	2"	340	335	2"	333



TERMINAL CITY IRON WORKS LTD.

FULL BODY MECHANICAL JOINT FITTINGS | ANSI / AWWA C110 / A21.10



SIZE	T	T1	MJ X MJ TEES			MJ X FL TEES			MJ X MJ CROSS		
			MJDT			MJFT			MJDX		
			H	J	Wt	H	J	Wt	H	J	Wt
2x2	0.39	0.39	3.25	3.25	21	—	—	—	—	—	—
3x3	0.48	0.48	5.50	5.50	—	—	—	—	—	—	—
4x2	0.52	0.39	4.00	4.00	65	4.80	4.80	—	—	—	—
4x4	0.52	0.52	6.50	6.50	80	6.50	6.50	88	—	—	—
6x2	0.55	0.39	8.00	8.00	100	8.00	8.00	—	8.00	8.00	—
6x3	0.55	0.48	8.00	8.00	110	8.00	8.00	—	8.00	8.00	—
6x4	0.55	0.52	8.00	8.00	115	8.00	8.00	126	8.00	8.00	—
6x6	0.55	0.55	8.00	8.00	125	8.00	8.00	138	8.00	8.00	183
6X6X8	0.55	0.60	8.00	8.00	165	8.00	8.00	—	9.00	9.00	—
8X4	0.60	0.52	9.00	9.00	165	9.00	9.00	189	9.00	9.00	—
8x6	0.60	0.55	9.00	9.00	175	9.00	9.00	185	9.00	9.00	213
8x8	0.60	0.60	9.00	9.00	185	9.00	9.00	200	9.00	9.00	270
10x4	0.68	0.52	11.00	11.00	235	11.00	11.00	—	11.00	11.00	—
10x6	0.68	0.55	11.00	11.00	250	11.00	11.00	260	11.00	11.00	—
10x8	0.68	0.60	11.00	11.00	260	11.00	11.00	—	11.00	11.00	—
10x10	0.68	0.68	11.00	11.00	310	11.00	11.00	—	11.00	11.00	—
12x4	0.75	0.52	12.00	12.00	315	12.00	12.00	325	12.00	12.00	—
12x6	0.75	0.55	12.00	12.00	325	12.00	12.00	350	12.00	12.00	430
12x8	0.75	0.60	12.00	12.00	340	12.00	12.00	360	12.00	12.00	442
12x10	0.87	0.80	12.00	12.00	390	12.00	12.00	—	12.00	12.00	—
12x12	0.87	0.87	12.00	12.00	410	12.00	12.00	428	12.00	12.00	569
16x6	0.70	0.55	15.00	15.00	540	15.00	15.00	540	15.00	15.00	—
16x8	0.70	0.60	15.00	15.00	550	15.00	15.00	550	15.00	15.00	—
16x12	0.70	0.75	15.00	15.00	290	15.00	15.00	—	15.00	15.00	670
16x16	0.70	0.70	15.00	15.00	740	15.00	15.00	—	15.00	15.00	—
20x6	0.80	0.55	14.00	14.00	806	14.00	14.00	—	14.00	17.00	—
20x8	0.80	0.60	14.00	14.00	933	14.00	14.00	—	14.00	17.00	—
20x12	0.80	0.75	14.00	14.00	800	14.00	14.00	—	14.00	17.00	—
24x6	0.89	0.55	15.00	15.00	1210	15.00	15.00	1050	15.00	19.00	—
24x12	0.89	0.75	15.00	19.00	1256	15.00	19.00	1100	15.00	19.00	—
24x16	0.89	0.70	15.00	19.00	1245	15.00	19.00	—	15.00	19.00	—
24x20	0.89	0.80	22.00	22.00	1720	22.00	22.00	—	22.00	22.00	—
24x24	0.89	0.89	22.00	22.00	1815	22.00	22.00	1650	22.00	22.00	—



TERMINAL CITY IRON WORKS LTD.

COMPACT MECHANICAL JOINT FITTINGS | **ANSI / AWWA C153 / A21.53**

MECHANICAL JOINT ACCESSORIES

Fitting size	Quantity	C153 Bolt size	C110 Bolt size
4"	4	3/4 x 3 1/2	3/4 x 3 1/2
6"	6	3/4 x 3 1/2	3/4 x 3 1/2
8"	6	3/4 x 3 1/2	3/4 x 4
10"	8	3/4 x 3 1/2	3/4 x 4
12"	8	3/4 x 3 1/2	3/4 x 4
14"	10	3/4 x 4	3/4 x 4 1/2
16"	12	3/4 x 4	3/4 x 4 1/2
18"	12	3/4 x 4	3/4 x 4 1/2
20"	14	3/4 x 4	3/4 x 4 1/2
24"	16	3/4 x 4 1/2	3/4 x 5
30"	20	1 x 5 1/2	1 x 6
36"	24	1 x 5 1/2	1 x 6
42"	28	1 1/4 x 6	1 1/4 x 6 1/2
48"	32	1 1/4 x 6	1 1/4 x 6 1/2

ANSI/AWWA C600 Mechanical Joint Bolt Torque Range

Pipe size (in.)	Bolt size (in.)	Torque Range (ft-lbs)
4 - 24	3/4	75 - 90
30 - 36	1	100 - 120
42 - 48	1 1/4	120 - 150

**Mechanical Joint gaskets available in Styrene - Butadiene (SBR) or Nitrile (NBR)
Type 304 Stainless Steel Tee Head bolts/nuts are available upon request.**