

NAPAC, Inc.



Mechanical Joint Fittings and Accessories



***Bends
Tees
Crosses
Wyes
Reducers
Adapters
Sleeves
Accessories***

***Compact Body, 3"-48"
AWWA C153 (ANSI A21.53)***

***Full Body, 18"-48"
AWWA C110 (ANSI A21.10)***



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

BASIC SPECIFICATIONS

AWWA C110 (ANSI A21.10), Full Body Ductile Iron Fittings 18" - 48" for water and other liquids

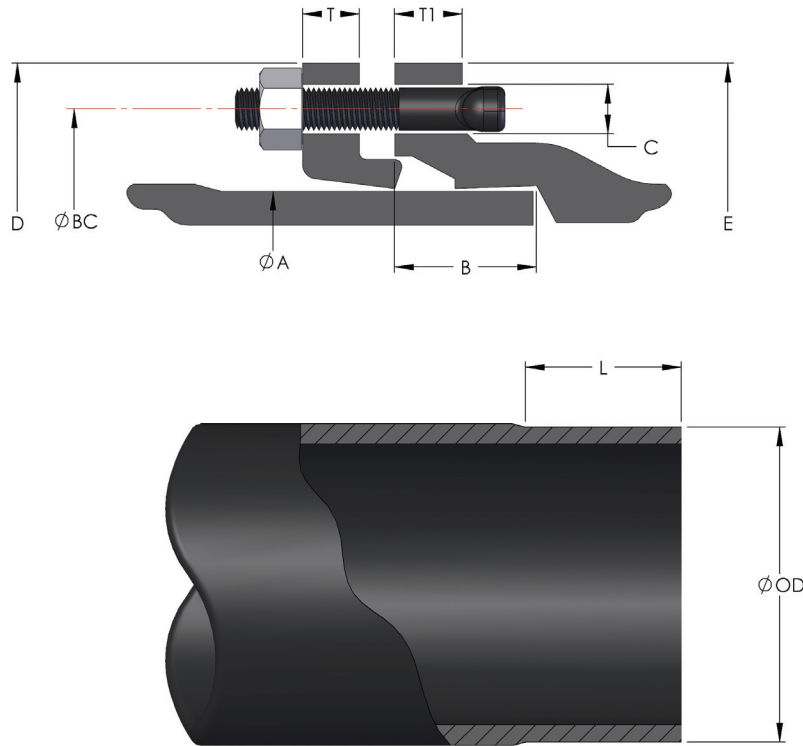
Material:	Ductile Iron ASTM A536, Grade 70-50-5
Pressure:	250 PSI Working Pressure (Class 250), 350 PSI Water Working Pressure (Class 350)
Testing:	100% Hydrostatic Tested
Cement Lining:	Interior to AWWA C104 (ANSI A21.4) with bituminous seal coat (NSF61)
Coating:	Bituminous in accordance with AWWA C104 (ANSI A21.4)
Gaskets:	SBR in accordance with AWWA C111 (ANSI A21.11)
T-Bolts:	Ductile Iron or Kor-10 Alloy Steel in accordance with AWWA C111 (ANSI A21.11)

AWWA C153 (ANSI A21.53), Compact Body Ductile Fittings 3" - 48" for water and other liquids

Material:	Ductile Iron ASTM A536, Grade 65-45-12 or 70-50-5
Pressure:	350 PSI Water Working Pressure (Class 350)
Testing:	100% Hydrostatic Tested
Laying Length:	Short body design-straight section of body deleted to provide a more compact and less heavy fitting without reducing strength or flow characteristics
Cement Lining:	Interior to AWWA C104 (ANSI A21.4) with bituminous seal coat (NSF61)
Coating:	Bituminous in accordance with AWWA C104 (ANSI A21.4)
Gaskets:	SBR in accordance with AWWA C111 (ANSI A21.11)
T-Bolts:	Ductile Iron or Kor-10 Alloy Steel in accordance with AWWA C111 (ANSI A21.11)

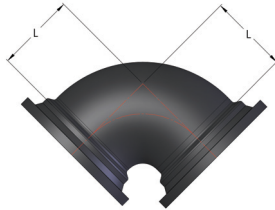
*Dimensions are in inches - Weights are approximate in lbs.

MECHANICAL JOINT DIMENSIONS

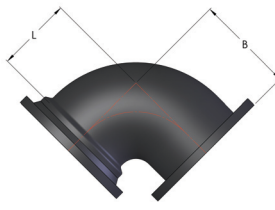


Plain End

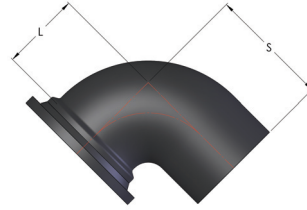
Size (inches)	A	B	B.C.	C	D	E	AWWA C110		AWWA C153		Bolts				O.D.	L
							T	T1	T	T1	No.	Size	Length C110	Length C153		
2	2.50	2.50	4.75	3/4	6.25	6.19	0.62	0.75	0.62	0.58	2	5/8	3	3	2.50	5.5
3	3.96	2.50	6.19	3/4	7.69	7.69	0.62	0.94	0.62	0.58	4	5/8	3	3	3.96	5.5
4	4.80	2.50	7.50	7/8	9.12	9.12	0.75	1.00	0.75	0.60	4	3/4	3-1/2	3-1/2	4.80	5.5
6	6.90	2.50	9.50	7/8	11.12	11.12	0.88	1.06	0.88	0.63	6	3/4	3-1/2	3-1/2	6.90	5.5
8	9.05	2.50	11.75	7/8	13.37	13.37	1.00	1.12	1.00	0.66	6	3/4	4	3-1/2	9.05	5.5
10	11.10	2.50	14.00	7/8	15.62	15.69	1.00	1.19	1.00	0.70	8	3/4	4	3-1/2	11.10	5.5
12	13.20	2.50	16.25	7/8	17.88	17.94	1.00	1.25	1.00	0.73	8	3/4	4	3-1/2	13.20	5.5
14	15.30	3.50	18.75	7/8	20.25	20.31	1.25	1.31	1.25	0.79	10	3/4	4-1/2	4	15.30	8.0
16	17.40	3.50	21.00	7/8	22.50	22.56	1.31	1.38	1.31	0.85	12	3/4	4-1/2	4	17.40	8.0
18	19.50	3.50	23.25	7/8	24.75	24.83	1.38	1.44	1.38	1.00	12	3/4	4-1/2	4	19.50	8.0
20	21.60	3.50	25.50	7/8	27.00	27.08	1.44	1.50	1.44	1.02	14	3/4	4-1/2	4	21.60	8.0
24	25.80	3.50	30.00	7/8	31.50	31.58	1.56	1.62	1.56	1.02	16	3/4	5	4-1/2	25.80	8.0
30	32.00	4.00	36.88	1 1/8	39.12	39.12	2.00	1.81	2.00	1.31	20	1	6	5-1/2	32.00	8.0
36	38.30	4.00	43.75	1 1/8	46.00	46.00	2.00	2.00	2.00	1.45	24	1	6	5-1/2	38.30	8.0
42	44.50	4.00	50.62	1 3/8	53.12	53.12	2.00	2.00	2.00	1.45	28	1-1/4	6	6	44.50	8.0
48	50.80	4.00	57.50	1 3/8	60.00	60.00	2.00	2.00	2.00	1.45	32	1-1/4	6	6	50.80	8.0



MJ 90° Bend



MJ x FLG 90° Bend

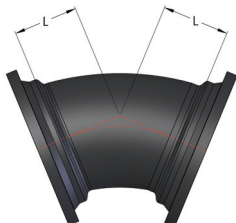


MJ x PE 90° Bend

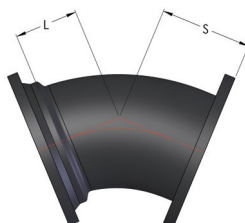
90° Bends

Size	Compact Body - AWWA C153								Full Body - AWWA C110					
	Part No.	Dimensions				Weight			Part No.	Dimensions			Weight	
						Series 1210	Series 1210F	Series 1210P					Series 10M	Series 10MP
		L	B	S	T	MJ x MJ	MJ x FLG	MJ x PE		L	S	T	MJ x MJ	MJ x PE
2	*1210-0202	3.25	-	-	0.30	14	-	-	-	-	-	-	-	-
3	1210-0303	3.50	5.50	8.50	0.33	19	20	16	-	-	-	-	-	-
4	1210-0404	4.00	6.50	9.50	0.34	25	26	22	-	-	-	-	-	-
6	1210-0606	5.00	8.00	11.50	0.36	39	47	41	-	-	-	-	-	-
8	1210-0808	6.50	9.00	12.50	0.38	57	68	58	-	-	-	-	-	-
10	1210-1010	7.50	11.00	13.00	0.40	89	102	83	-	-	-	-	-	-
12	1210-1212	9.00	12.00	14.50	0.42	108	134	114	-	-	-	-	-	-
14	1210-1414	11.50	-	19.50	0.47	210	-	197	-	-	-	-	-	-
16	1210-1616	12.50	-	20.50	0.50	264	-	248	-	-	-	-	-	-
18	1210-1818	14.00	-	21.00	0.54	335	-	325	*10M-1818	16.5	24.5	0.75	545	520
20	1210-2020	15.00	-	22.50	0.57	400	-	390	10M-2020	18.0	26.0	0.80	680	650
24	1210-2424	16.75	-	25.00	0.61	565	-	575	10M-2424	22.0	30.0	0.89	1025	985
30	1210-3030	21.50	-	30.50	0.66	930	-	865	10M-3030	25.0	33.0	1.03	1690	1585
36	1210-3636	24.50	-	33.50	0.74	1450	-	1355	10M-3636	28.0	36.0	1.15	2475	2310
42	1210-4242	29.25	-	38.25	0.82	2205	-	2055	10M-4242	31.0	39.0	1.28	3410	3200
48	1210-4848	33.25	-	42.25	0.90	2990	-	2805	10M-4848	34.0	42.0	1.42	4595	4330

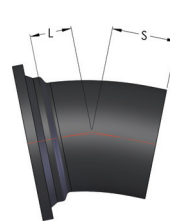
*Add suffix "P" for MJ x PE products or "F" for MJ x FLG (e.g. 1210P-0303)



MJ 45° Bend



MJ x FLG 45° Bend

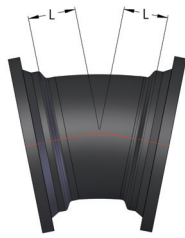


MJ x PE 45° Bend

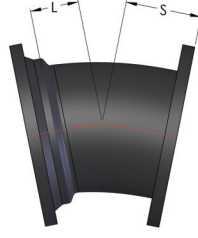
45° Bends

Size	Compact Body - AWWA C153								Full Body - AWWA C110					
	Part No.	Dimensions				Weight			Part No.	Dimensions			Weight	
						Series 1211	Series 1211F	Series 1211P					Series 11M	Series 11MP
		L	B	S	T	MJ x MJ	MJ x FLG	MJ x PE		L	S	T	MJ x MJ	MJ x PE
2	*1211-0202	1.50	-	-	-	13	-	-	-	-	-	-	-	-
3	1211-0303	1.80	3.00	7.00	0.33	16	17	13	-	-	-	-	-	-
4	1211-0404	2.00	4.00	7.50	0.34	22	26	19	-	-	-	-	-	-
6	1211-0606	3.00	5.00	8.50	0.36	32	47	34	-	-	-	-	-	-
8	1211-0808	3.50	5.50	9.00	0.38	46	68	49	-	-	-	-	-	-
10	1211-1010	4.50	6.50	10.00	0.40	70	102	69	-	-	-	-	-	-
12	1211-1212	5.50	7.50	11.00	0.42	86	134	93	-	-	-	-	-	-
14	1211-1414	5.00	-	13.00	0.47	160	-	146	-	-	-	-	-	-
16	1211-1616	5.50	-	13.50	0.50	202	-	184	-	-	-	-	-	-
18	1211-1818	6.00	-	13.00	0.54	250	-	235	*11M-1818	8.50	16.5	0.75	420	395
20	1211-2020	7.00	-	14.00	0.57	305	-	290	11M-2020	9.50	17.5	0.80	530	500
24	1211-2424	7.50	-	14.50	0.61	405	-	390	11M-2424	11.0	19.0	0.89	755	715
30	1211-3030	10.50	-	19.50	0.66	780	-	715	11M-3030	15.0	23.0	1.03	1380	1275
36	1211-3636	11.50	-	21.00	0.74	1135	-	1040	11M-3636	18.0	26.0	1.15	2095	1930
42	1211-4242	14.00	-	23.00	0.82	1610	-	1460	11M-4242	21.0	29.0	1.28	2955	2745
48	1211-4848	15.00	-	24.00	0.90	2090	-	1905	11M-4848	24.0	32.0	1.42	4080	3815

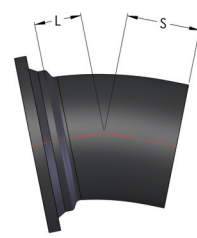
*Add suffix "P" for MJ x PE products & "F" for MJ x FLG (e.g. 1211P-0303)



MJ 22-1/2° Bend



MJ x FLG 22-1/2° Bend

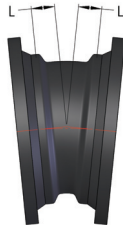


MJ x PE 22-1/2° Bend

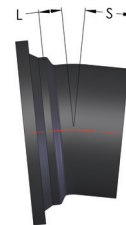
22 1/2° Bends

Size	Compact Body - AWWA C153								Full Body - AWWA C110					
	Part No.	Dimensions				Weight			Part No.	Dimensions			Weight	
						Series 1212	Series 1212F	Series 1212P					Series 12M	Series 12MP
		L	B	S	T	MJ x MJ	MJ x FLG	MJ x PE		L	S	T	MJ x MJ	MJ x PE
2	*1212-0202	1.00	-	-	-	9	-	-	-	-	-	-	-	-
3	1212-0303	1.00	3.00	6.50	0.33	15	17	12	-	-	-	-	-	-
4	1212-0404	1.50	4.00	7.00	0.34	18	26	18	-	-	-	-	-	-
6	1212-0606	2.00	5.00	7.50	0.36	31	47	29	-	-	-	-	-	-
8	1212-0808	2.50	5.50	8.00	0.38	46	68	43	-	-	-	-	-	-
10	1212-1010	3.00	6.50	8.50	0.40	64	102	61	-	-	-	-	-	-
12	1212-1212	3.50	7.50	9.00	0.42	80	134	79	-	-	-	-	-	-
14	1212-1414	3.75	-	11.25	0.47	136	-	133	-	-	-	-	-	-
16	1212-1616	3.75	-	11.75	0.50	172	-	166	-	-	-	-	-	-
18	1212-1818	4.50	-	13.00	0.54	255	-	235	*12M-1818	8.50	16.5	0.75	430	405
20	1212-2020	4.50	-	14.00	0.57	310	-	300	12M-2020	9.50	17.5	0.80	535	505
24	1212-2424	4.50	-	14.50	0.61	412	-	395	12M-2424	11.0	19.0	0.89	765	725
30	1212-3030	6.75	-	15.75	0.66	665	-	600	12M-3030	15.0	23.0	1.03	1400	1295
36	1212-3636	7.75	-	16.75	0.74	960	-	865	12M-3636	18.0	26.0	1.15	2135	1970
42	1212-4242	9.00	-	18.00	0.82	1350	-	1200	12M-4242	21.0	29.0	1.28	3020	2810
48	1212-4848	10.00	-	19.00	0.90	1760	-	1575	12M-4848	24.0	32.0	1.42	4170	3905

*Add suffix "P" for MJ x PE or "F" for MJ x FLG products (e.g. 1212P-0303)



MJ 11-1/4° Bend

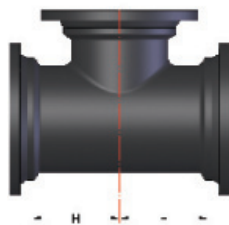


MJ & PE 11-1/4° Bend

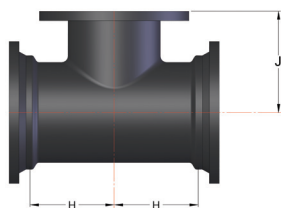
11 1/4° Bends

Size	Compact Body - AWWA C153						Full Body - AWWA C110					
	Part No.	Dimensions			Weight		Part No.	Dimensions			Weight	
					Series 1213	Series 1213P					Series 13M	Series 13MP
		L	S	T	MJ x MJ	MJ x PE		L	S	T	MJ x MJ	MJ x PE
2	*1213-0202	1.00	-	-	8	-	-	-	-	-	-	-
3	1213-0303	1.00	6.50	0.33	14	12	-	-	-	-	-	-
4	1213-0404	1.25	6.25	0.34	16	17	-	-	-	-	-	-
6	1213-0606	1.50	7.00	0.36	30	27	-	-	-	-	-	-
8	1213-0808	1.75	7.25	0.38	42	39	-	-	-	-	-	-
10	1213-1010	2.00	7.50	0.40	58	52	-	-	-	-	-	-
12	1213-1212	2.25	7.75	0.42	67	69	-	-	-	-	-	-
14	1213-1414	2.50	10.50	0.47	93	118	-	-	-	-	-	-
16	1213-1616	2.50	10.50	0.50	148	136	-	-	-	-	-	-
18	1213-1818	3.00	13.00	0.54	205	235	*13M-1818	8.50	16.5	0.75	430	405
20	1213-2020	3.00	14.00	0.57	245	300	13M-2020	9.50	17.5	0.80	540	510
24	1213-2424	3.00	14.50	0.61	315	400	13M-2424	11.0	19.0	0.89	770	730
30	1213-3030	4.75	13.75	0.66	600	535	13M-3030	15.0	23.0	1.03	1410	1305
36	1213-3636	5.00	14.00	0.74	820	725	13M-3636	18.0	26.0	1.15	2145	1980
42	1213-4242	6.00	15.00	0.82	1180	1030	13M-4242	21.0	29.0	1.28	3035	2825
48	1213-4848	6.50	15.50	0.90	1475	1290	13M-4848	24.0	32.0	1.42	4190	3925

*Add suffix "P" for MJ x PE products (e.g. 1213P-0303)

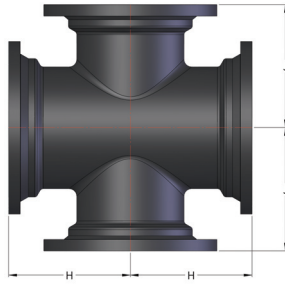


MJ Tee



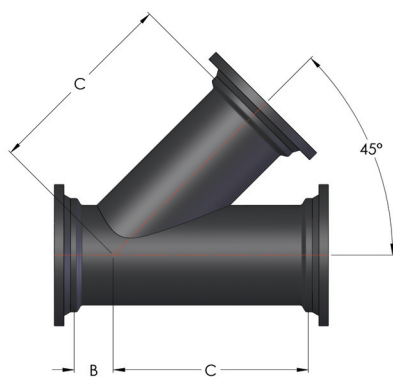
MJ x MJ x FLG Tee

Tees												
Size	Compact Body - AWWA C153							Full Body - AWWA C110				
	Part No. MJ x MJ	Part No. MJ x FLG	Dimensions			Weight		Part No.	Dimensions			Weight Series 20M
			H	J	T	Series 1220 MJ x MJ	Series 1228 MJ x FLG		H	J	T	MJ x MJ
2	*1220-0202	-	3.25	3.25	0.39	22	-	-	-	-	-	-
3 x 2	1220-0302	-	3.50	3.50	0.48	43	-	-	-	-	-	-
3	1220-0303	1228-0303	3.00	3.00	0.33	28	30	-	-	-	-	-
4 x 3	1220-0403	1228-0403	3.50	4.00	0.34	30	34	-	-	-	-	-
4	1220-0404	1228-0404	4.00	4.00	0.34	32	40	-	-	-	-	-
6 x 3	1220-0603	1228-0603	3.50	5.00	0.36	42	50	-	-	-	-	-
6 x 4	1220-0604	1228-0604	4.00	5.00	0.36	46	55	-	-	-	-	-
6	1220-0606	1228-0606	5.00	5.00	0.36	56	64	-	-	-	-	-
8 x 4	1220-0804	1228-0804	4.00	6.50	0.38	60	72	-	-	-	-	-
8 x 6	1220-0806	1228-0806	5.00	6.50	0.38	72	83	-	-	-	-	-
8	1220-0808	1228-0808	6.50	6.50	0.38	86	94	-	-	-	-	-
10 x 4	1220-1004	1228-1004	4.00	7.50	0.40	78	89	-	-	-	-	-
10 x 6	1220-1006	1228-1006	5.00	7.50	0.40	90	100	-	-	-	-	-
10 x 8	1220-1008	1228-1008	6.50	7.50	0.40	105	105	-	-	-	-	-
10	1220-1010	1228-1010	7.50	7.50	0.40	120	127	-	-	-	-	-
12 x 4	1220-1204	1228-1204	4.00	8.75	0.42	94	117	-	-	-	-	-
12 x 6	1220-1206	1228-1206	5.00	8.75	0.42	110	122	-	-	-	-	-
12 x 8	1220-1208	1228-1208	6.50	8.75	0.42	125	132	-	-	-	-	-
12 x 10	1220-1210	1228-1210	7.50	8.75	0.42	140	152	-	-	-	-	-
12	1220-1212	1228-1212	8.75	8.75	0.42	160	162	-	-	-	-	-
14 x 6	1220-1406	1228-1406	6.50	10.50	0.47	182	233	-	-	-	-	-
14 x 8	1220-1408	1228-1408	7.50	10.50	0.47	206	255	-	-	-	-	-
14 x 10	1220-1410	1228-1410	8.50	10.50	0.47	228	276	-	-	-	-	-
14 x 12	1220-1412	1228-1412	9.50	10.50	0.47	234	315	-	-	-	-	-
14	1220-1414	1228-1414	10.50	10.50	0.47	280	328	-	-	-	-	-
16 x 6	1220-1606	1228-1606	6.50	11.50	0.50	228	274	-	-	-	-	-
16 x 8	1220-1608	1228-1608	7.50	11.50	0.50	248	294	-	-	-	-	-
16 x 10	1220-1610	1228-1610	8.50	11.50	0.50	264	321	-	-	-	-	-
16 x 12	1220-1612	1228-1612	9.50	11.50	0.50	280	355	-	-	-	-	-
16 x 14	1220-1614	1228-1614	10.50	11.50	0.50	316	347	-	-	-	-	-
16	1220-1616	1228-1616	11.50	11.50	0.50	322	419	-	-	-	-	-
18 x 6	1220-1806	1228-1806	6.50	12.50	0.54	275	307	20M-1806	13.0	15.5	0.75	590
18 x 8	1220-1808	1228-1808	7.50	12.50	0.54	295	351	20M-1808	13.0	15.5	0.75	605
18 x 10	1220-1810	1228-1810	8.50	12.50	0.54	315	356	20M-1810	13.0	15.5	0.75	620
18 x 12	1220-1812	1228-1812	9.50	12.50	0.54	335	391	20M-1812	13.0	15.5	0.75	640
18 x 14	1220-1814	1228-1814	10.50	12.50	0.54	380	420	20M-1814	16.5	16.5	0.75	755
18 x 16	1220-1816	1228-1816	11.50	12.50	0.54	405	463	20M-1816	16.5	16.5	0.75	785
18	1220-1818	1228-1818	12.50	12.50	0.54	435	491	20M-1818	16.5	16.5	0.75	820
20 x 6	1220-2006	1228-2006	6.50	14.00	0.57	315	347	20M-2006	14.0	17.0	0.80	725
20 x 8	1220-2008	1228-2008	8.00	14.00	0.57	345	370	20M-2008	14.0	17.0	0.80	735
20 x 10	1220-2010	1228-2010	9.00	14.00	0.57	370	400	20M-2010	14.0	17.0	0.80	755
20 x 12	1220-2012	1228-2012	10.00	14.00	0.57	395	437	20M-2012	14.0	17.0	0.80	775
20 x 14	1220-2014	1228-2014	11.00	14.00	0.57	440	458	20M-2014	14.0	17.0	0.80	795
20 x 16	1220-2016	1228-2016	12.00	14.00	0.57	465	511	20M-2016	18.0	18.0	0.80	945
20 x 18	1220-2018	1228-2018	13.00	14.00	0.57	505	552	20M-2018	18.0	18.0	0.80	985
20	1220-2020	1228-2020	14.00	14.00	0.57	535	604	20M-2020	18.0	18.0	0.80	1020
24 x 6	1220-2406	1228-2406	7.00	16.00	0.61	415	391	20M-2406	15.0	19.0	0.89	985
24 x 8	1220-2408	1228-2408	8.00	16.00	0.61	445	402	20M-2408	15.0	19.0	0.89	1000
24 x 10	1220-2410	1228-2410	9.00	16.00	0.61	470	445	20M-2410	15.0	19.0	0.89	1020
24 x 12	1220-2412	1228-2412	10.00	16.00	0.61	500	488	20M-2412	15.0	19.0	0.89	1030
24 x 14	1220-2414	1228-2414	11.00	16.00	0.61	550	525	20M-2414	15.0	19.0	0.89	1055
24 x 16	1220-2416	1228-2416	12.00	16.00	0.61	580	584	20M-2416	15.0	19.0	0.89	1075
24 x 18	1220-2418	1228-2418	13.00	16.00	0.61	625	604	20M-2418	22.0	22.0	0.89	1400
24 x 20	1220-2420	1228-2420	14.00	16.00	0.61	660	667	20M-2420	22.0	22.0	0.89	1450
24	1220-2424	1228-2424	16.00	16.00	0.61	720	744	20M-2424	22.0	22.0	0.89	1535
30 x 8	1220-3008	-	8.50	20.00	0.66	739	-	20M-3008	18.0	23.0	1.03	1745
30 x 12	1220-3012	-	10.00	20.00	0.66	830	-	20M-3012	18.0	23.0	1.03	1780
30 x 16	1220-3016	-	12.50	20.00	0.66	959	-	20M-3016	18.0	23.0	1.03	1820
30 x 20	1220-3020	-	15.00	20.00	0.66	995	-	20M-3020	18.0	23.0	1.03	1875
30 x 24	1220-3024	-	16.00	20.00	0.66	1060	-	20M-3024	25.0	25.0	1.03	2400
30	1220-3030	-	20.00	20.00	0.66	1323	-	20M-3030	25.0	25.0	1.03	2595
36 x 18	1220-3618	-	13.00	23.50	0.74	1100	-	20M-3618	20.0	26.0	1.15	2610
36 x 20	1220-3620	-	14.00	23.50	0.74	1146	-	20M-3620	20.0	26.0	1.15	2635
36 x 24	1220-3624	-	16.00	23.50	0.74	1498	-	20M-3624	20.0	26.0	1.15	2690
36 x 30	1220-3630	-	20.00	23.50	0.74	1555	-	20M-3630	28.0	28.0	1.15	3545
36	1220-3636	-	23.50	23.50	0.74	1900	-	20M-3636	28.0	28.0	1.15	3745
42 x 24	1220-4224	-	20.00	27.50	0.82	2270	-	20M-4224	23.0	30.0	1.28	3690
42 x 30	1220-4230	-	22.00	29.50	0.82	2425	-	20M-4230	31.0	31.0	1.28	4650
42 x 36	1220-4236	-	30.00	30.00	0.82	3000	-	20M-4236	31.0	31.0	1.78	6075
42	1220-4242	-	30.00	30.00	0.82	3175	-	20M-4242	31.0	31.0	1.78	6320
48 x 24	1220-4824	-	23.00	32.00	0.90	2870	-	20M-4824	26.0	34.0	1.42	4995
48 x 30	1220-4830	-	23.00	32.00	0.90	3050	-	20M-4830	26.0	34.0	1.42	5140
48 x 36	1220-4836	-	33.50	33.25	0.90	3900	-	20M-4836	34.0	34.0	1.42	6280
48 x 42	1220-4842	-	33.50	33.50	0.90	4100	-	20M-4842	34.0	34.0	1.96	8130
48	1220-4848	-	33.50	33.50	0.90	4250	-	20M-4848	34.0	34.0	1.96	8420



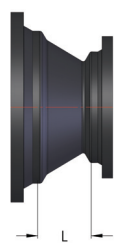
MJ Cross

Crosses										
Size	Compact Body - AWWA C153					Full Body - AWWA C110				
	Part No.	Dimensions			Weight Series 1235	Part No.	Dimensions			Weight Series 35M
		H	J	T	MJ x MJ		H	J	T	MJ x MJ
3	1235-0303	3.00	3.00	0.33	35	-	-	-	-	-
4 x 3	1235-0403	3.50	4.00	0.34	38	-	-	-	-	-
4	1235-0404	4.00	4.00	0.34	40	-	-	-	-	-
6 x 4	1235-0604	4.00	5.00	0.36	68	-	-	-	-	-
6	1235-0606	5.00	5.00	0.36	75	-	-	-	-	-
8 x 4	1235-0804	4.00	6.50	0.38	72	-	-	-	-	-
8 x 6	1235-0806	5.00	6.50	0.38	99	-	-	-	-	-
8	1235-0808	6.50	6.50	0.38	105	-	-	-	-	-
10 x 4	1235-1004	4.00	7.50	0.40	85	-	-	-	-	-
10 x 6	1235-1006	5.00	7.50	0.40	92	-	-	-	-	-
10 x 8	1235-1008	6.50	7.50	0.40	114	-	-	-	-	-
10	1235-1010	7.50	7.50	0.40	145	-	-	-	-	-
12 x 4	1235-1204	4.00	8.75	0.42	100	-	-	-	-	-
12 x 6	1235-1206	5.00	8.75	0.42	114	-	-	-	-	-
12 x 8	1235-1208	6.50	8.75	0.42	132	-	-	-	-	-
12 x 10	1235-1210	7.50	8.75	0.42	190	-	-	-	-	-
12	1235-1212	8.75	8.75	0.42	213	-	-	-	-	-
14 x 6	1235-1406	6.50	10.50	0.47	210	-	-	-	-	-
14 x 8	1235-1408	7.50	10.50	0.47	259	-	-	-	-	-
14 x 10	1235-1410	8.50	10.50	0.47	265	-	-	-	-	-
14 x 12	1235-1412	9.50	10.50	0.47	270	-	-	-	-	-
14	1235-1414	10.50	10.50	0.47	299	-	-	-	-	-
16 x 6	1235-1606	6.50	11.50	0.50	250	-	-	-	-	-
16 x 8	1235-1608	7.50	11.50	0.50	290	-	-	-	-	-
16 x 10	1235-1610	8.50	11.50	0.50	345	-	-	-	-	-
16 x 12	1235-1612	9.50	11.50	0.50	397	-	-	-	-	-
16	1235-1616	11.50	11.50	0.50	385	-	-	-	-	-
18 x 6	1235-1806	6.50	12.50	0.54	406	35M-1806	13.0	15.5	0.75	625
18 x 8	1235-1808	7.50	12.50	0.54	425	35M-1808	13.0	15.5	0.75	655
18 x 10	1235-1810	8.50	12.50	0.54	445	35M-1810	13.0	15.5	0.75	685
18 x 12	1235-1812	9.50	12.50	0.54	471	35M-1812	13.0	15.5	0.75	725
18 x 14	1235-1814	10.50	12.50	0.54	595	35M-1814	16.5	16.5	0.75	870
18 x 16	1235-1816	11.50	12.50	0.54	605	35M-1816	16.5	16.5	0.75	930
18	1235-1818	12.50	12.50	0.54	646	35M-1818	16.5	16.5	0.75	995
20 x 6	1235-2006	6.50	14.00	0.57	495	35M-2006	14.0	17.0	0.80	760
20 x 8	1235-2008	8.00	14.00	0.57	515	35M-2008	14.0	17.0	0.80	790
20 x 10	1235-2010	9.00	14.00	0.57	535	35M-2010	14.0	17.0	0.80	820
20 x 12	1235-2012	10.00	14.00	0.57	560	35M-2012	14.0	17.0	0.80	860
20 x 14	1235-2014	11.00	14.00	0.57	590	35M-2014	14.0	17.0	0.80	905
20 x 16	1235-2016	12.00	14.00	0.57	705	35M-2016	18.0	18.0	0.80	1085
20 x 18	1235-2018	13.00	14.00	0.57	750	35M-2018	18.0	18.0	0.80	1155
20	1235-2020	14.00	14.00	0.57	800	35M-2020	18.0	18.0	0.80	1230
24 x 6	1235-2406	7.00	16.00	0.61	650	35M-2406	15.0	19.0	0.89	1025
24 x 8	1235-2408	8.00	16.00	0.61	655	35M-2408	15.0	19.0	0.89	1045
24 x 10	1235-2410	9.00	16.00	0.61	680	35M-2410	15.0	19.0	0.89	1085
24 x 12	1235-2412	10.00	16.00	0.61	690	35M-2412	15.0	19.0	0.89	1110
24 x 14	1235-2414	11.00	16.00	0.61	720	35M-2414	15.0	19.0	0.89	1155
24 x 16	1235-2416	12.00	16.00	0.61	750	35M-2416	15.0	19.0	0.89	1200
24 x 18	1235-2418	13.00	16.00	0.61	910	35M-2418	22.0	22.0	0.89	1590
24 x 20	1235-2420	14.00	16.00	0.61	935	35M-2420	22.0	22.0	0.89	1675
24	1235-2424	16.00	16.00	0.61	1010	35M-2424	22.0	22.0	0.89	1835
30 x 8	1235-3008	8.50	20.00	0.66	1170	35M-3008	18.0	23.0	1.03	1795
30 x 12	1235-3012	10.00	20.00	0.66	1215	35M-3012	18.0	23.0	1.03	1865
30 x 16	1235-3016	12.50	20.00	0.66	1340	35M-3016	18.0	23.0	1.03	1950
30 x 20	1235-3020	15.00	20.00	0.66	1440	35M-3020	18.0	23.0	1.03	2060
30 x 24	1235-3024	16.00	20.00	0.66	1660	35M-3024	25.0	25.0	1.03	2675
30	1235-3030	20.00	20.00	0.74	1860	35M-3030	25.0	25.0	1.03	3075
36 x 24	1235-3624	16.00	23.50	0.74	1865	35M-3624	20.0	26.0	1.15	2910
36 x 30	1235-3630	20.00	23.50	0.74	2580	35M-3630	28.0	28.0	1.15	3965
36	1235-3636	23.50	23.50	0.74	2655	35M-3636	28.0	28.0	1.15	4370
42 x 24	1235-4224	20.00	27.50	0.82	2350	35M-4224	23.0	30.0	1.28	3910
42 x 30	1235-4230	22.00	29.50	0.82	2920	35M-4230	31.0	31.0	1.28	5040
42 x 36	1235-4236	30.00	30.00	0.82	3675	35M-4236	31.0	31.0	1.78	6655
42	1235-4242	30.00	30.00	0.82	4090	35M-4242	31.0	31.0	1.78	7145
48 x 24	1235-4824	23.00	32.00	0.90	3390	35M-4824	26.0	34.0	1.42	5210
48 x 30	1235-4830	23.00	32.00	0.90	3575	35M-4830	26.0	34.0	1.42	5495
48 x 36	1235-4836	33.50	33.25	0.90	4415	35M-4836	34.0	34.0	1.42	6790
48 x 42	1235-4842	33.50	33.50	0.90	5730	35M-4842	34.0	34.0	1.96	8815
48	1235-4848	33.50	33.50	0.90	4955	35M-4848	34.0	34.0	1.96	9380



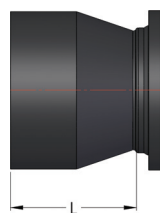
MJ 45° Lateral (Wye)

45° Lateral										
Size	Compact Body - AWWA C153					Full Body - AWWA C110				
	Part No.	Dimensions			Weight Series 1230	Part No.	Dimensions			Weight Series 30M
		B	C	T	All MJ		B	C	T	All MJ
3	1230-0303	2.5	8.50	.33	34	-	-	-	-	-
4	1230-0404	2.5	9.50	.34	51	-	-	-	-	-
6 x 4	1230-0604	1.5	11.0	.36	73	-	-	-	-	-
6	1230-0606	3.0	13.0	.36	81	-	-	-	-	-
8 x 4	1230-0804	0.5	13.0	.38	106	-	-	-	-	-
8 x 6	1230-0806	2.0	14.5	.38	114	-	-	-	-	-
8	1230-0808	3.5	16.0	.38	128	-	-	-	-	-
10 x 4	1230-1004	0.5	15.0	.40	151	-	-	-	-	-
10 x 6	1230-1006	1.0	16.0	.40	158	-	-	-	-	-
10 x 8	1230-1008	2.5	17.0	.40	172	-	-	-	-	-
10	1230-1010	3.5	19.0	.40	212	-	-	-	-	-
12 x 4	1230-1204	0.5	16.5	.42	212	-	-	-	-	-
12 x 6	1230-1206	1.5	18.5	.42	220	-	-	-	-	-
12 x 8	1230-1208	1.5	18.5	.42	238	-	-	-	-	-
12 x 10	1230-1210	3.0	20.0	.42	278	-	-	-	-	-
12	1230-1212	4.5	22.5	.42	298	-	-	-	-	-
14 x 6	1230-1406	2.0	20.0	.51	390	-	-	-	-	-
14 x 8	1230-1408	3.0	20.0	.51	405	-	-	-	-	-
14 x 10	1230-1410	3.0	21.0	.51	420	-	-	-	-	-
14 x 12	1230-1412	4.5	23.5	.51	440	-	-	-	-	-
14	1230-1414	6.0	25.0	.51	474	-	-	-	-	-
16 x 6	1230-1606	2.0	22.0	.52	470	-	-	-	-	-
16 x 8	1230-1608	2.0	22.0	.52	480	-	-	-	-	-
16 x 10	1230-1610	3.0	23.5	.52	505	-	-	-	-	-
16 x 12	1230-1612	4.0	25.10	.52	525	-	-	-	-	-
16 x 14	1230-1614	5.0	26.5	.52	550	-	-	-	-	-
16	1230-1616	6.5	28.0	.52	575	-	-	-	-	-
18 x 4	-	-	-	-	-	30M-1804	1.00	25.0	0.75	700
18 x 6	-	-	-	-	-	30M-1806	1.00	25.0	0.75	730
18 x 8	-	-	-	-	-	30M-1808	1.00	25.0	0.75	750
18 x 10	-	-	-	-	-	30M-1810	7.00	32.0	0.75	1015
18 x 12	-	-	-	-	-	30M-1812	7.00	32.0	0.75	1055
18 x 14	-	-	-	-	-	30M-1814	7.00	32.0	0.75	1120
18 x 16	-	-	-	-	-	30M-1816	7.00	32.0	0.75	1180
18	-	-	-	-	-	30M-1818	7.00	32.0	0.75	1245
20 x 10	-	-	-	-	-	30M-2010	1.00	29.5	0.80	940
20 x 12	-	-	-	-	-	30M-2012	8.00	35.0	0.80	1300
20 x 14	-	-	-	-	-	30M-2014	8.00	35.0	0.80	1365
20 x 16	-	-	-	-	-	30M-2016	8.00	35.0	0.80	1430
20 x 18	-	-	-	-	-	30M-2018	8.00	35.0	0.80	1495
20	-	-	-	-	-	30M-2020	8.00	35.0	0.80	1575
24 x 10	-	-	-	-	-	30M-2410	0.50	31.5	0.89	1330
24 x 12	-	-	-	-	-	30M-2412	0.50	31.5	0.89	1360
24 x 14	-	-	-	-	-	30M-2414	9.00	40.5	0.89	1930
24 x 16	-	-	-	-	-	30M-2416	9.00	40.5	0.89	1990
24 x 18	-	-	-	-	-	30M-2418	9.00	40.5	0.89	2060
24 x 20	-	-	-	-	-	30M-2420	9.00	40.5	0.89	2135
24	-	-	-	-	-	30M-2424	9.00	40.5	0.89	2315
30 x 12	-	-	-	-	-	30M-3012	10.00	49.0	1.03	3110
30 x 14	-	-	-	-	-	30M-3014	10.00	49.0	1.03	3185
30 x 16	-	-	-	-	-	30M-3016	10.00	49.0	1.03	3250
30 x 18	-	-	-	-	-	30M-3018	10.00	49.0	1.03	3325
30 x 20	-	-	-	-	-	30M-3020	10.00	49.0	1.03	3405
30 x 24	-	-	-	-	-	30M-3024	10.00	49.0	1.03	3580
30	-	-	-	-	-	30M-3030	18.25	52.5	1.03	4580
36 x 14	-	-	-	-	-	30M-3614	15.25	54.0	1.15	4875
36 x 16	-	-	-	-	-	30M-3616	15.25	54.0	1.15	4940
36 x 18	-	-	-	-	-	30M-3618	15.25	54.0	1.15	5005
36 x 20	-	-	-	-	-	30M-3620	15.25	54.0	1.15	5080
36 x 24	-	-	-	-	-	30M-3624	15.25	54.0	1.15	5245
36 x 30	-	-	-	-	-	30M-3630	15.25	56.0	1.15	5800
36	-	-	-	-	-	30M-3636	19.50	60.0	1.15	6975
42 x 20	-	-	-	-	-	30M-4220	12.00	60.0	1.28	6655
42 x 24	-	-	-	-	-	30M-4224	12.00	60.0	1.28	6810
42 x 30	-	-	-	-	-	30M-4230	12.00	63.0	1.28	7280
42 x 36	-	-	-	-	-	30M-4236	12.00	66.0	1.78	8355
42	-	-	-	-	-	30M-4242	15.00	71.0	1.78	9900
48 x 20	-	-	-	-	-	30M-4820	0.00	52.0	1.42	6545
48 x 24	-	-	-	-	-	30M-4824	5.00	58.0	1.42	7430
48 x 30	-	-	-	-	-	30M-4830	4.00	59.0	1.42	7925
48 x 36	-	-	-	-	-	30M-4836	5.00	64.0	1.42	9065
48 x 42	-	-	-	-	-	30M-4842	12.00	77.0	1.96	11940
48	-	-	-	-	-	30M-4848	16.00	77.0	1.96	13130



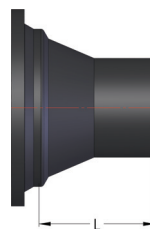
**MJ
Reducer**

1250-



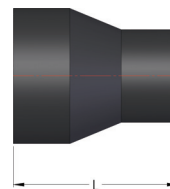
**MJ Small End
Reducer
SEB**

1251-



**MJ Large End
Reducer
LEB**

1252-



**PE x PE
Reducer**

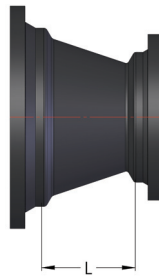
1257-

Reducers

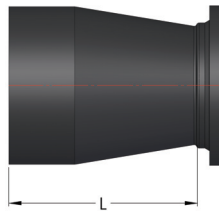
Compact Body - AWWA C153

Size	Size No.	T Large End	T1 Small End	MJ x MJ		Large End MJ		Small End MJ		PE x PE	
				L	WT.	L	WT.	L	WT.	L	WT.
4 x 3	*-0403	0.34	0.33	3	18	8.5	18	8.5	17	14.0	14
6 x 3	-0603	0.36	0.33	5	22	10.5	19	10.5	24	16.0	19
6 x 4	-0604	0.36	0.34	4	24	9.5	25	9.5	25	15.0	22
8 x 4	-0804	0.38	0.34	5	32	10.5	34	10.5	30	16.0	30
8 x 6	-0806	0.38	0.36	4	36	9.5	32	9.5	35	15.0	30
10 x 4	-1004	0.40	0.34	7	46	12.5	43	12.5	43	18.0	46
10 x 6	-1006	0.40	0.36	5	47	10.5	42	10.5	46	16.0	46
10 x 8	-1008	0.40	0.38	4	50	9.5	50	9.5	42	15.0	47
12 x 4	-1204	0.42	0.34	9	58	14.5	60	14.5	60	20.0	58
12 x 6	-1206	0.42	0.36	7	58	12.5	58	12.5	58	18.0	57
12 x 8	-1208	0.42	0.38	5	57	10.5	55	10.5	54	16.0	54
12 x 10	-1210	0.42	0.40	4	61	9.5	59	9.5	59	15.0	54
14 x 6	-1406	0.47	0.36	9	100	14.5	104	16.9	100	22.3	93
14 x 8	-1408	0.47	0.38	7	100	12.4	98	14.9	98	20.3	94
14 x 10	-1410	0.47	0.40	5	100	10.4	92	12.9	94	18.3	90
14 x 12	-1412	0.47	0.42	4	100	9.4	92	11.9	90	17.3	88
16 x 6	-1606	0.50	0.36	11	124	16.5	136	18.9	125	24.3	93
16 x 8	-1608	0.50	0.38	9	124	14.4	128	16.9	121	22.3	119
16 x 10	-1610	0.50	0.40	7	124	12.5	123	15.0	105	20.5	119
16 x 12	-1612	0.50	0.42	5	112	10.5	108	12.9	109	18.3	99
16 x 14	-1614	0.50	0.47	4	140	12.0	132	12.0	126	19.7	129
18 x 8	-1808	0.54	0.38	13	190	19.5	195	20.0	170	27.4	170
18 x 10	-1810	0.54	0.40	10	195	17.4	185	18.0	165	25.5	160
18 x 12	-1812	0.54	0.42	7	180	14.0	175	15.5	150	19.5	150
18 x 14	-1814	0.54	0.47	6	190	15.0	190	15.0	175	23.0	160
18 x 16	-1816	0.54	0.50	5	195	12.5	190	12.5	170	18.0	145
20 x 10	-2010	0.57	0.40	14	220	19.0	210	22.0	200	27.5	180
20 x 12	-2012	0.57	0.42	12	205	16.0	205	17.5	170	21.5	190
20 x 14	-2014	0.57	0.47	10	200	17.9	205	18.0	190	26.0	195
20 x 16	-2016	0.57	0.50	7	200	13.5	200	13.5	185	19.0	170
20 x 18	-2018	0.57	0.54	4	225	12.0	215	12.0	200	20.0	190
24 x 12	-2412	0.61	0.42	16	305	21.0	290	21.5	275	22.5	240
24 x 14	-2414	0.61	0.47	14	310	21.9	315	22.0	310	25.0	295
24 x 16	-2416	0.61	0.50	12	320	17.5	285	17.5	285	23.0	285
24 x 18	-2418	0.61	0.54	10	305	18.0	310	18.0	300	21.0	290
24 x 20	-2420	0.61	0.57	7	300	13.5	275	13.5	270	14.0	240
30 x 16	-3016	0.66	0.50	30	633	39.0	623	39.0	565	48.0	555
30 x 18	-3018	0.66	0.54	28	658	37.0	635	37.0	590	46.0	567
30 x 20	-3020	0.66	0.57	24	628	33.0	603	33.0	560	42.0	535
30 x 24	-3024	0.66	0.61	10	478	24.5	526	24.5	495	33.5	458
36 x 20	-3620	0.75	0.57	36	975	45.0	950	45.0	874	54.0	849
36 x 24	-3624	0.75	0.61	19	770	33.0	810	33.0	746	42.0	709
36 x 30	-3630	0.75	0.66	15.5	650	24.5	758	24.5	725	33.5	657
42 x 24	-4224	0.82	0.61	40	1356	49.0	1319	49.0	1204	58.0	1167
42 x 30	-4230	0.82	0.66	20	1083	29.0	1015	29.0	931	38.0	863
42 x 36	-4236	0.82	0.74	15.5	1114	24.5	1013	24.5	962	33.5	861
48 x 30	-4830	0.90	0.66	40	1779	49.0	1711	49.0	1594	58.0	1526
48 x 36	-4836	0.90	0.74	28	1641	37.0	1540	37.0	1456	46.0	1355
48 x 42	-4842	0.90	0.82	15.5	1426	24.5	1274	24.5	1241	33.5	1089

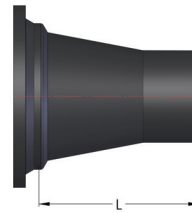
*Add prefix (part #) for type of reducer (e.g. 1250-0403)



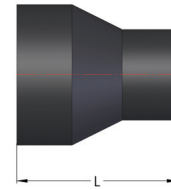
**MJ
Reducer**
50M-



**MJ Small End
Reducer
SEB**
51M-



**MJ Large End
Reducer
LEB**
52M-



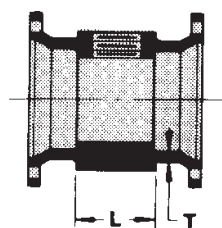
**PE x PE
Reducer**
57M-

Reducers

Full Body - AWWA C110

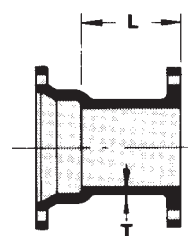
Size	Size No.	T Large End	T1 Small End	MJ x MJ		Small End MJ		Large End MJ		PE x PE	
				L	WT.	L	WT.	L	WT.	L	WT.
18 x 8	*-1808	0.75	0.60	19	295	27	270	27	295	35	270
18 x 10	-1810	0.75	0.68	19	325	27	300	27	320	35	295
18 x 12	-1812	0.75	0.75	19	350	27	325	27	350	35	325
18 x 14	-1814	0.75	0.66	19	380	27	355	27	365	35	340
18 x 16	-1816	0.75	0.70	19	415	27	390	27	395	35	370
20 x 10	-2010	0.80	0.68	20	375	28	345	28	375	36	345
20 x 12	-2012	0.80	0.75	20	405	28	375	28	405	36	375
20 x 14	-2014	0.80	0.66	20	430	28	400	28	415	36	385
20 x 16	-2016	0.80	0.70	20	470	28	435	28	445	36	415
20 x 18	-2018	0.80	0.75	20	510	28	475	28	485	36	455
24 x 12	-2412	0.89	0.75	24	550	32	510	32	550	40	510
24 x 14	-2414	0.89	0.66	24	575	32	535	32	560	40	520
24 x 16	-2416	0.89	0.70	24	615	32	575	32	595	40	555
24 x 18	-2418	0.89	0.75	24	660	32	620	32	635	40	595
24 x 20	-2420	0.89	0.80	24	705	32	665	32	675	40	635
30 x 18	-3018	1.03	0.75	30	990	38	885	38	965	46	860
30 x 20	-3020	1.03	0.80	30	1050	38	945	38	1020	46	915
30 x 24	-3024	1.03	0.89	30	1165	38	1060	38	1125	46	1020
36 x 20	-3620	1.15	0.80	36	1450	44	1285	44	1420	52	1255
36 x 24	-3624	1.15	0.89	36	1580	44	1410	44	1535	52	1370
36 x 30	-3630	1.15	1.03	36	1855	44	1690	44	1750	52	1585
42 x 20	-4220	1.28	0.80	42	1915	50	1705	50	1880	58	1670
42 x 24	-4224	1.28	0.89	42	2060	50	1855	50	2020	58	1810
42 x 30	-4230	1.28	1.03	42	2370	50	2165	50	2265	58	2055
42 x 36	-4236	1.28	1.15	42	2695	50	2485	50	2530	58	2320
48 x 30	-4830	1.42	1.03	48	3005	56	2740	56	2900	64	2635
48 x 36	-4836	1.42	1.15	48	3370	56	3100	56	3205	64	2940
48 x 42	-4842	1.42	1.28	48	3750	56	3480	56	3540	64	3275

*Add prefix (part #) for type of reducer (e.g. 50M-1808)



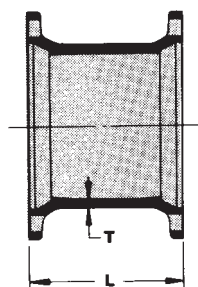
**Tapped Tee 2" NPT
MJ**

Tapped Tees & Crosses					
Compact Body - AWWA C153					
Size	Part No.	Dimensions			Weight
		L	T	Tap Size	Series 1238 MJ x MJ
3	1238-0303	3	.33	2	12
4	1238-0404	3	.34	2	18
6	1238-0606	3	.36	2	26
8	1238-0808	3	.38	2	34
10	1238-1010	3	.40	2	44
12	1238-1212	3	.42	2	54

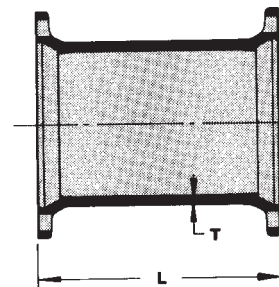


**Adapter
MJ x Flange**

Adapter				
Compact Body - AWWA C153				
Size	Part No.	Dimensions		Weight
		L	T	MJ x FLG
3	1255-0303	3.5	.33	14
4	1255-0404	3.5	.34	23
6	1255-0606	3.5	.36	30
8	1255-0808	3.5	.38	50
10	1255-1010	3.5	.40	62
12	1255-1212	3.5	.42	98
14	1255-1414	5.0	.45	145
16	1255-1616	5.0	.46	179
18	1255-1818	5.0	.47	200
20	1255-2020	5.0	.48	242
24	1255-2424	5.0	.50	312
30	1255-3030	7.0	.66	557
36	1255-3636	8.5	.74	798



MJ Short Sleeve



MJ Long Sleeve

Sleeves												
Size	Compact Body - AWWA C153							Full Body - AWWA C110				
	Part No. (Short)	Part No. (Long)	Dimensions			Weight		Part No. (Short)	Part No. (Long)	Dimensions		
			L (Short)	L (Long)	T	Short	Long			L (Short)	L (Long)	T
3	1273-0303	1277-0303	7.5	12	0.33	13	18	-	-	-	-	-
4	1273-0404	1277-0404	7.5	12	0.34	17	20	-	-	-	-	-
6	1273-0606	1277-0606	7.5	12	0.36	28	33	-	-	-	-	-
8	1273-0808	1277-0808	7.5	12	0.38	38	46	-	-	-	-	-
10	1273-1010	1277-1010	7.5	12	0.40	49	62	-	-	-	-	-
12	1273-1212	1277-1212	7.5	12	0.42	56	76	-	-	-	-	-
14	1273-1414	1277-1414	9.0	15	0.47	111	140	-	-	-	-	-
16	1273-1616	1277-1616	9.0	15	0.50	123	170	-	-	-	-	-
18	1273-1818	1277-1818	9.0	15	0.54	160	200	73M-1818	77M-1818	9.5	15	0.96
20	1273-2020	1277-2020	9.0	15	0.57	195	255	73M-2020	77M-2020	9.5	15	1.03
24	1273-2424	1277-2424	9.0	15	0.61	255	335	73M-2424	77M-2424	9.5	15	1.16
30	1273-3030	1277-3030	15.0	24	0.66	500	640	73M-3030	77M-3030	15.0	24	1.37
36	1273-3636	1277-3636	15.0	24	0.74	725	925	73M-3636	77M-3636	15.0	24	1.58
42	-	-	-	-	-	-	-	73M-4242	77M-4242	15.0	24	1.78
48	-	-	-	-	-	-	-	73M-4848	77M-4848	15.0	24	1.96

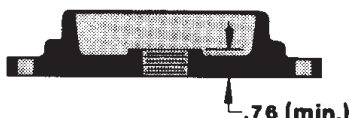
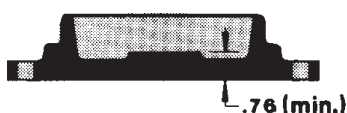


Caps

Caps								
Size	Compact Body - AWWA C153				Full Body - AWWA C110			
	Part No. (Solid)	Part No. (Tapped)	T	Wgt.	Part No. (Solid)	Part No. (Tapped)	T	Wgt.
3	1260-0303	1264-0303	0.33	8	60M-0303	60T-0303	0.50	12
4	1260-0404	1264-0404	0.34	9	60M-0404	60T-0404	0.60	15
6	1260-0606	1264-0606	0.36	15	60M-0606	60T-0606	0.65	25
8	1260-0808	1264-0808	0.38	22	60M-0808	60T-0808	0.70	45
10	1260-1010	1264-1010	0.40	32	60M-1010	60T-1010	0.75	60
12	1260-1212	1264-1212	0.42	42	60M-1212	60T-1212	0.75	80
14	1260-1414	1264-1414	0.47	66	60M-1414	60T-1414	0.82	120
16	1260-1616	1264-1616	0.50	92	60M-1616	60T-1616	0.89	155
18	1260-1818	1264-1818	0.54	114	60M-1818	60T-1818	0.96	195
20	1260-2020	1264-2020	0.57	125	60M-2020	60T-2020	1.03	240
24	1260-2424	1264-2424	0.61	166	60M-2424	60T-2424	1.16	345
30	1260-3030	1264-3030	0.66	345	60M-3030	60T-3030	1.03	590
36	1260-3636	1264-3636	0.74	628	60M-3636	60T-3636	1.15	850
42	1260-4242	1264-4242	0.82	868	60M-4242	60T-4242	1.28	1180
48	1260-4848	1264-4848	0.90	1155	60M-4848	60T-4848	1.42	1595

*3-24" flat, 30-48" dished

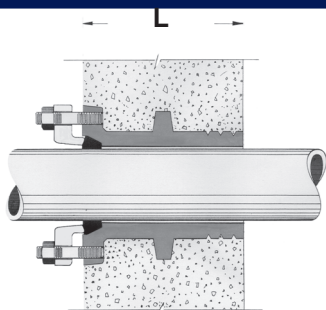
Caps also available with 4" Taps (Series 1267)



Plugs

Plugs								
Size	Compact Body - AWWA C153				Full Body - AWWA C110			
	Size No. (Solid)	Size No. (Tapped)	T	Wgt.	Size No. (Solid)	Size No. (Tapped)	T	Wgt.
3	1261-0303	1265-0303	0.33	8	61M-0303	61T-0303	0.50	10
4	1261-0404	1265-0404	0.34	10	61M-0404	61T-0404	0.60	15
6	1261-0606	1265-0606	0.36	16	61M-0606	61T-0606	0.65	25
8	1261-0808	1265-0808	0.38	26	61M-0808	61T-0808	0.70	45
10	1261-1010	1265-1010	0.40	36	61M-1010	61T-1010	0.75	65
12	1261-1212	1265-1212	0.42	46	61M-1212	61T-1212	0.75	85
14	1261-1414	1265-1414	0.47	75	61M-1414	61T-1414	0.82	115
16	1261-1616	1265-1616	0.50	95	61M-1616	61T-1616	0.89	145
18	1261-1818	1265-1818	0.54	121	61M-1818	61T-1818	0.96	185
20	1261-2020	1265-2020	0.57	135	61M-2020	61T-2020	1.03	225
24	1261-2424	1265-2424	0.61	175	61M-2424	61T-2424	1.16	335
30	1261-3030	1265-3030	0.66	355	61M-3030	61T-3030	1.03	575
36	1261-3636	1265-3636	0.74	688	61M-3636	61T-3636	1.15	815
42	1261-4242	1265-4242	0.82	816	61M-4242	61T-4242	1.28	1110
48	1261-4848	1265-4848	0.90	1054	61M-4848	61T-4848	1.42	1455

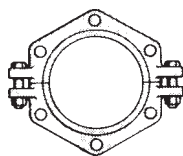
*3-24" flat, 30-48" dished



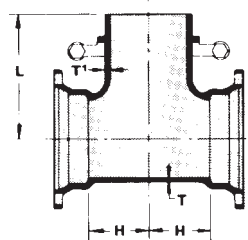
MJ Wall Sleeve

Wall Sleeve			
Pipe-Size	Part No.	L	Weight 18" Length
4	9429-140	18	60
6	9429-160	18	85
8	9429-180	18	115
10	9429-200	18	160
12	9429-220	18	190
14	9429-240	18	260
16	9429-260	18	310
18	9429-280	18	370
20	9429-300	18	430
24	9429-340	18	580
30	9429-350	18	705
36	9429-370	18	992

Material: GCI ASTM A126, Class 30



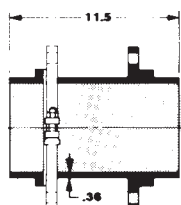
**6" Split Swivel
Series 1266
Anchor Gland
11 lbs**



Hydrant Tee

Hydrant Tee						
Compact Body - AWWA C153						
Size	Part No.	Dimensions				Weight MJ x Swivel
		H	L	T	T1	
6 x 6	1229-0606	6.0	10.25	.36	.36	68
8 x 6	1229-0806	6.0	11.25	.38	.36	85
8 x 8	1229-0808	6.5	11.50	.38	.38	100
10 x 6	1229-1006	6.0	12.75	.40	.36	105
10 x 8	1229-1008	6.5	12.75	.40	.38	118
12 x 6	1229-1206	6.0	13.75	.42	.36	126
12 x 8	1229-1208	6.5	13.75	.42	.38	128
14 x 6	1229-1406	7.0	15.00	.45	.36	211
16 x 6	1229-1606	7.0	16.00	.46	.36	279
18 x 6	1229-1806	7.0	17.00	.47	.36	279

(Actual Laying Length 13")

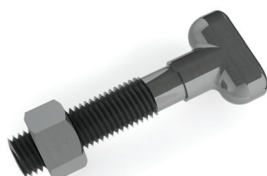


**Series 1241
6" x 13" Solid Adapter
W/Split Swivel Anchor Gland
31 lbs.**



Gland

Standard Gland		
Size	Part No.	Weight
2	1288-0202	3
3	1288-0303	4
4	1288-0404	5
6	1288-0606	6
8	1288-0808	7
10	1288-1010	10
12	1288-1212	15
14	1288-1414	24
16	1288-1616	28
18	1288-1818	31
20	1288-2020	42
24	1288-2424	50
30	1288-3030	120
36	1288-3636	185
42	1288-4242	235
48	1288-4848	290



"T" Bolt & Nut

T-Bolt & Nut		
Size	Part No.	Weight
5/8 x 3	1290-L	0.55
3/4 x 3 1/2	1290-N	0.75
3/4 x 4	1290-P	1.00
3/4 x 4 1/2	1290-R	1.25
3/4 x 5	1290-T	1.50
1 x 6	1290-V	2.25
1 1/4 x 6	1290-X	4.50



MJ Gasket

Standard Gasket		
Size	Part No.	Weight
2	410C-02-SBR	20/100
3	410C-03-SBR	25/100
4	410C-04-SBR	43/100
6	410C-06-SBR	59/100
8	410C-08-SBR	77/100
10	410C-10-SBR	94/100
12	410C-12-SBR	111/100
14	410C-14-SBR	150/100
16	410C-16-SBR	200/100
18	410C-18-SBR	231/100
20	410C-20-SBR	269/100
24	410C-24-SBR	300/100
30	410C-30-SBR	450/100
36	410C-36-SBR	600/100
42	410C-42-SBR	800/100
48	410C-48-SBR	1000/100

Transition Gasket		
Size	Part No.	Weight
2	410S-02-SBR	25/100
3	410S-03-SBR	35/100
4	410S-04-SBR	55/100
6	410S-06-SBR	74/100
8	410S-08-SBR	107/100
10	410S-10-SBR	126/100
12	410S-12-SBR	161/100

MJ Gland Packs

**Durable High Strength
Poly Bags**



**Standard MJ Gland w/Kor-10 "T" Bolts,
Nuts & Gasket**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
2"	GSS-120-060-130	5/8" x 3"	2	24	48
3"	GSS-130-060-130	5/8" x 3"	4	12	48
4"	GSS-140-070-135	3/4" x 3-1/2"	8	6	48
6"	GSS-160-070-135	3/4" x 3-1/2"	12	4	48
8"	GSS-180-070-140	3/4" x 4"	12	4	48
10"	GSS-200-070-140	3/4" x 4"	18	3	54
12"	GSS-220-070-140	3/4" x 4"	18	3	54
14"	GSS-240-070-145	3/4" x 4-1/2"	30	2	60
16"	GSS-260-070-145	3/4" x 4-1/2"	40	1	40
18"	GSS-280-070-145	3/4" x 4-1/2"	45	1	45
20"	GSS-300-070-150	3/4" x 5"	60	1	60
24"	GSS-340-070-150	3/4" x 5"	70	1	70

**Transition MJ Gland w/Kor-10 "T"
Bolts, Nuts & Gasket**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
3"	GTS-130-060-130	5/8" x 3"	4	12	48
4"	GTS-140-070-135	3/4" x 3-1/2"	8	6	48
6"	GTS-160-070-135	3/4" x 3-1/2"	12	4	48
8"	GTS-180-070-140	3/4" x 4"	12	4	48
10"	GTS-200-070-140	3/4" x 4"	18	3	54
12"	GTS-220-070-140	3/4" x 4"	18	3	54

**Standard MJ Gland w/X-long Kor-10 "T"
Bolts, Nuts & Gasket**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
4"	GSX-140-070-140	3/4" x 4"	8	6	48
6"	GSX-160-070-140	3/4" x 4"	12	4	48
8"	GSX-180-070-140	3/4" x 4"	12	4	48
10"	GSX-200-070-145	3/4" x 4-1/2"	18	3	54
12"	GSX-220-070-145	3/4" x 4-1/2"	18	3	54
14"	GSX-240-070-150	3/4" x 5"	30	3	60
16"	GSX-260-070-150	3/4" x 5"	40	3	40
18"	GSX-280-070-150	3/4" x 5"	45	1	45
20"	GSX-300-070-150	3/4" x 5"	60	1	60
24"	GSX-340-070-150	3/4" x 5"	70	1	70

**Transition MJ Gland w/X-long
Kor-10 "T" Bolts, Nuts & Gasket**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
4"	GTX-140-070-140	3/4" x 4"	8	6	48
6"	GTX-160-070-140	3/4" x 4"	12	4	48
8"	GTX-180-070-140	3/4" x 4"	12	4	48
10"	GTX-200-070-145	3/4" x 4-1/2"	18	3	54
12"	GTX-220-070-145	3/4" x 4-1/2"	18	3	54

**Standard MJ Gland w/Anti-Rotation
Kor-10 "T" Bolts, Nuts & Gasket**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
3"	GSA-130-060-130	5/8" x 3"	4	12	48
4"	GSA-140-070-135	3/4" x 3-1/2"	8	6	48
6"	GSA-160-070-135	3/4" x 3-1/2"	12	4	48
8"	GSA-180-070-140	3/4" x 4"	12	4	48
10"	GSA-200-070-140	3/4" x 4"	18	3	54
12"	GSA-220-070-140	3/4" x 4"	18	3	54

**Transition MJ Gland w/Anti-Rotation
Kor-10 "T" Bolts, Nuts & Gasket**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
4"	GTA-140-070-135	3/4" x 3-1/2"	8	6	48
6"	GTA-160-070-135	3/4" x 3-1/2"	12	4	48
8"	GTA-180-070-140	3/4" x 4"	12	4	48
10"	GTA-200-070-140	3/4" x 4"	18	3	54
12"	GTA-220-070-140	3/4" x 4"	18	3	54

MJ Bolt & Gasket Packs

**Durable High Strength
Poly Bags**



**Standard MJ Gasket w/Kor-10
"T" Bolts & Nuts**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
2"	SS-120-060-130	5/8" x 3"	2	24	48
3"	SS-130-060-130	5/8" x 3"	2	24	48
4"	SS-140-070-135	3/4" x 3-1/2"	4	12	48
6"	SS-160-070-135	3/4" x 3-1/2"	6	8	48
8"	SS-180-070-140	3/4" x 4"	6	8	48
10"	SS-200-070-140	3/4" x 4"	8	6	48
12"	SS-220-070-140	3/4" x 4"	8	6	48
14"	SS-240-070-145	3/4" x 4-1/2"	14	3	42
16"	SS-260-070-145	3/4" x 4-1/2"	15	3	45
18"	SS-280-070-145	3/4" x 4-1/2"	17	3	51
20"	SS-300-070-150	3/4" x 5"	19	3	54
24"	SS-340-070-150	3/4" x 5"	20	3	60

**Transition MJ Gasket w/Kor-10
"T" Bolts & Nuts**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
3"	TS-130-060-130	5/8" x 3"	2	24	48
4"	TS-140-070-135	3/4" x 3-1/2"	4	12	48
6"	TS-160-070-135	3/4" x 3-1/2"	6	8	48
8"	TS-180-070-140	3/4" x 4"	6	8	48
10"	TS-200-070-140	3/4" x 4"	8	6	48
12"	TS-220-070-140	3/4" x 4"	8	6	48

**Standard MJ Gasket w/X-long
Kor-10 "T" Bolts & Nuts**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
4"	SX-140-070-140	3/4" x 4"	4	12	48
6"	SX-160-070-140	3/4" x 4"	6	8	48
8"	SX-180-070-140	3/4" x 4"	6	8	48
10"	SX-200-070-145	3/4" x 4-1/2"	8	6	48
12"	SX-220-070-145	3/4" x 4-1/2"	8	6	48
14"	SX-240-070-150	3/4" x 5"	14	3	42
16"	SX-260-070-150	3/4" x 5"	15	3	45
18"	SX-280-070-150	3/4" x 5"	18	3	54
20"	SX-300-070-150	3/4" x 5"	19	3	57
24"	SX-340-070-150	3/4" x 5"	20	3	60

**Transition MJ Gasket w/X-long
Kor-10 "T" Bolts & Nuts**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
4"	TX-140-070-140	3/4" x 4"	4	12	48
6"	TX-160-070-140	3/4" x 4"	6	8	48
8"	TX-180-070-140	3/4" x 4"	6	8	48
10"	TX-200-070-145	3/4" x 4-1/2"	8	6	48
12"	TX-220-070-145	3/4" x 4-1/2"	8	6	48

**Standard MJ Gasket w/Anti-Rotation
Kor-10 "T" Bolts & Nuts**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
3"	SA-130-060-130	5/8" x 3"	2	24	48
4"	SA-140-070-135	3/4" x 3-1/2"	4	12	48
6"	SA-160-070-135	3/4" x 3-1/2"	6	8	48
8"	SA-180-070-140	3/4" x 4"	6	8	48
10"	SA-200-070-140	3/4" x 4"	8	6	48
12"	SA-220-070-140	3/4" x 4"	8	6	48

**Transition MJ Gasket w/Anti-Rotation
Kor-10 "T" Bolts & Nuts**

Pack Size	Part No.	Bolt Size	Lbs./ Pack	Master Box Qty.	Master Box Wgt.
4"	TA-140-070-135	3/4" x 3-1/2"	4	12	48
6"	TA-160-070-135	3/4" x 3-1/2"	6	8	48
8"	TA-180-070-140	3/4" x 4"	6	8	48
10"	TA-200-070-140	3/4" x 4"	8	6	48
12"	TA-220-070-140	3/4" x 4"	8	6	48



NAPAC, Inc.

229 Southbridge Street
Worcester, MA 01608

Tel: (800) 807-2215 Fax: (800) 807-2214
www.napacinc.com