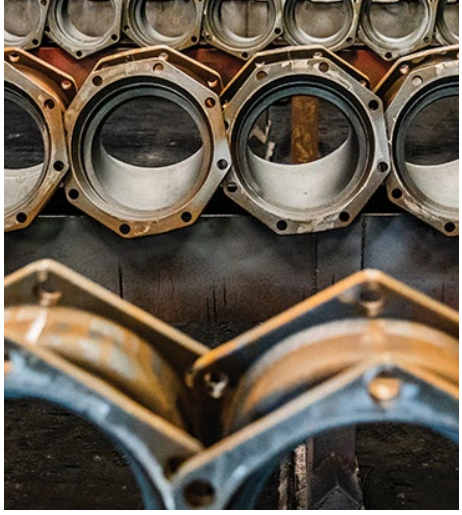
MECHANICAL JOINT FITTINGS

Import Ductile Iron - C153





Metalfit

U.S. PIPE

A QUIKRETE® COMPANY

PIPE

FABRICATION

RESTRAINED JOINTS

FITTINGS

GASKETS

COATINGS & LININGS

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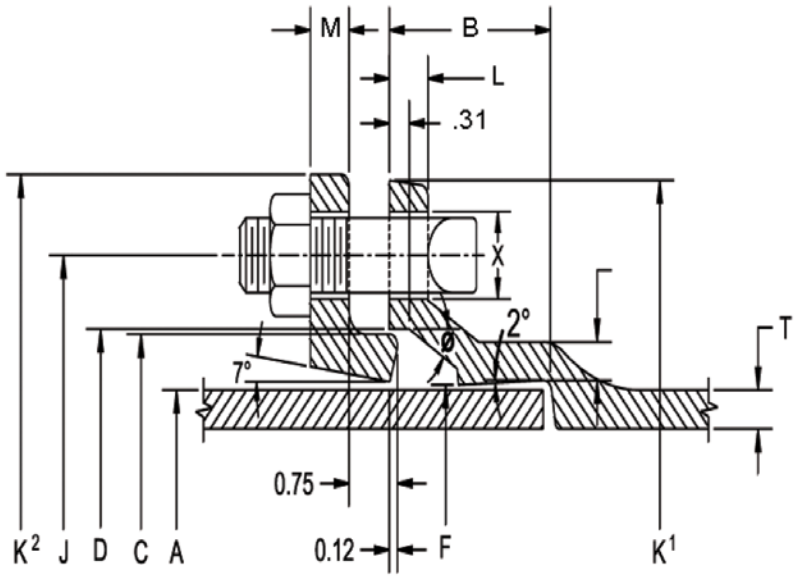
SPECIFICATIONS
C153 MECHANICAL JOINT COMPACT FITTINGS

SIZES	3" through 48"
MATERIAL	Ductile Iron ASTM A536
PRESSURE	350 PSI rating for 3"-24"; 250 PSI rating for 30"-48"
TESTING	In accordance with ANSI/AWWA C153/A21.53 and UL requirements
LAYING LENGTH	In accordance with ANSI/AWWA C153/A21.53
CEMENT LINING	In accordance with ANSI/AWWA C104/A21.4
COATING	In accordance with ANSI/AWWA C104/A21.4 ASPHALTIC SEAL COATED IN & OUT
GASKET	SBR in accordance with ANSI/AWWA C111/A21.11
STANDARDS	ANSI/AWWA C153/A21.53 UL Listed

NOTE: Fittings may be zinc coated with metalized zinc in accordance with ISO 8179, Part 1, or coated with a zinc righ paint meeting ISO 8179, Part 2 depending on the manufacturing location.

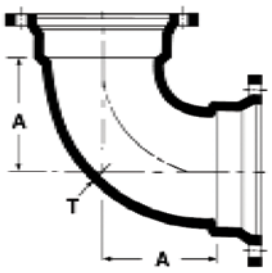
SPECIFICATIONS
MECHANICAL JOINT DIMENSIONS



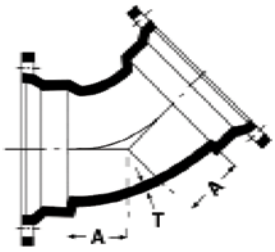
MECHANICAL JOINT DIMENSIONS														BOLTS	
SIZE	A DIA,	B	C DIA.	D DIA.	F DIA.	J DIA.	K¹ DIA	K² DIA	L	M	S	T	X	SIZE	NO.
3	3.96	2.50	4.84	4.94	4.06	6.19	7.62	7.69	.58	.62	.39	.33	3/4	5/8 x 3	4
4	4.80	2.50	5.92	6.02	4.90	7.50	9.06	9.12	.60	.75	.39	.34	7/8	3/4 x 3 1/2	4
6	6.90	2.50	8.02	8.12	7.00	9.50	11.06	11.12	.63	.88	.43	.36	7/8	3/4 x 3 1/2	6
8	9.05	2.50	10.17	10.27	9.15	11.75	13.31	13.37	.66	1.00	.45	.38	7/8	3/4 x 4	6
10	11.10	2.50	12.22	12.34	11.20	14.00	15.62	15.62	.70	1.00	.47	.40	7/8	3/4 x 4	8
12	13.20	2.50	14.32	14.44	13.30	16.25	17.88	17.88	.73	1.00	.49	.42	7/8	3/4 x 4	8
14	15.30	3.50	16.40	16.54	15.44	18.75	20.31	20.25	.79	1.25	.55	.47	7/8	3/4 x 4 1/2	10
16	17.40	3.50	18.50	18.64	17.54	21.00	22.56	22.50	.85	1.31	.58	.50	7/8	3/4 x 4 1/2	12
18	19.50	3.50	20.60	20.74	19.64	23.25	24.83	24.75	1.00	1.38	.68	.54	7/8	3/4 x 4 1/2	12
20	21.60	3.50	22.70	22.84	21.74	25.50	27.08	27.00	1.02	1.44	.69	.57	7/8	3/4 x 4 1/2	14
24	25.80	3.50	26.90	27.04	25.94	30.00	31.58	31.50	1.02	1.56	.75	.61	7/8	3/4 x 5	16
30	32.00	4.00	33.29	33.46	32.17	36.88	39.12	39.12	1.31	2.00	.82	.66	1 1/8	1 x 6	20
36	38.30	4.00	39.59	39.76	38.47	43.75	46.00	46.00	1.45	2.00	1.00	.74	1 1/8	1 x 6	24
42	44.50	4.00	45.79	45.96	44.67	50.62	53.12	53.12	1.45	2.00	1.25	.82	1 3/8	1 1/4 x 6 1/2	28
48	50.80	4.00	52.09	52.26	50.97	57.50	60.00	60.00	1.45	2.00	1.35	.90	1 3/8	1 1/4 x 6 1/2	32

Mechanical Joint Bends C153

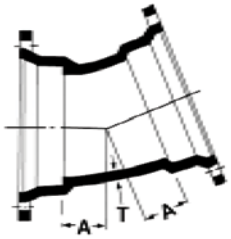
MJ x MJ



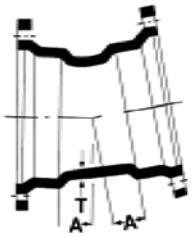
90° BEND



45° BEND



22 1/2° BEND



11 1/4° BEND

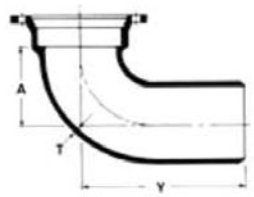
FITTING SIZE (inches)	T nominal	90°	45°	22 1/2°	11 1/4 °	90°	45°	22 1/2°	11 1/4 °	Pressure rating
		"A" DIMENSION (inches)				WEIGHT (lbs.)				PSI
4"	0.34	4.00	2.00	1.50	1.25	25	22	18	16	350
6"	0.36	5.00	3.00	2.00	1.50	39	32	31	30	350
8"	0.38	6.50	3.50	2.50	1.75	57	46	46	42	350
10"	0.40	7.50	4.50	3.00	2.00	89	70	64	58	350
12"	0.42	9.00	5.50	3.50	2.25	108	86	80	67	350
14"	0.47	11.50	5.00	3.75	2.50	210	160	136	93	350
16"	0.50	12.50	5.50	3.75	2.50	264	202	172	148	350
18"	0.54	14.00	6.00	4.50	3.00	335	250	255	205	350
20"	0.57	15.00	7.00	4.50	3.00	400	305	310	245	350
24"	0.61	16.75	7.50	4.50	3.00	565	405	412	315	350
30"	0.66	21.50	10.50	6.75	4.75	930	780	665	600	250
36"	0.74	24.50	11.50	7.75	5.00	1450	1135	960	820	250
42"	0.82	29.25	14.00	9.00	6.00	2205	1610	1350	1180	250
48"	0.90	33.25	15.00	10.00	6.50	2990	2090	1760	1475	250

Weight shown is the approximate weight for fittings with minimum "A" dimension.
Weight does not include cement lining or accessories.

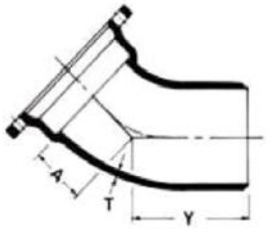
SPECIFICATIONS
MECHANICAL JOINT BENDS

Mechanical Joint Bends C153

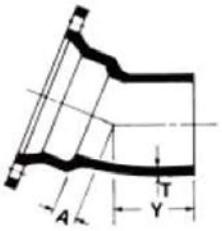
MJ x PE



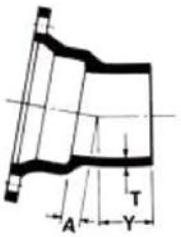
90° BEND



45° BEND



22 1/2° BEND

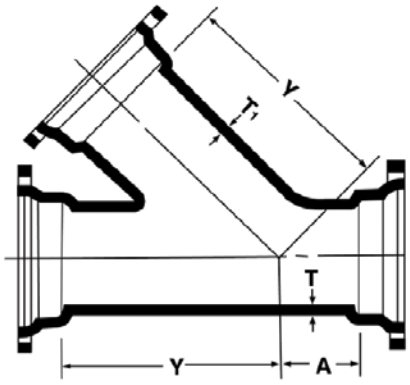


11 1/4° BEND

SIZE (in.)	T nom.	90°			45°			22 1/2°			11 1/4°			Pressure Rating
		A	Y	Wt.	A	Y	Wt.	A	Y	Wt.	A	Y	Wt.	PSI
4"	0.34	4.00	9.50	22	2.00	7.50	19	1.50	7.00	18	1.25	6.25	17	350
6"	0.36	5.00	11.50	41	3.00	8.50	34	2.00	7.50	29	1.50	7.00	27	350
8"	0.38	6.50	12.50	58	3.50	9.00	49	2.50	8.00	43	1.75	7.25	39	350
10"	0.40	7.50	13.00	83	4.50	10.00	69	3.00	8.50	61	2.00	7.50	52	350
12"	0.42	9.00	14.50	114	5.50	11.00	93	3.50	9.00	79	2.25	7.75	69	350
14"	0.47	11.50	19.50	197	5.00	13.00	146	3.75	11.25	133	2.50	10.50	118	350
16"	0.50	12.50	20.50	248	5.50	13.50	184	3.75	11.75	166	2.50	10.50	136	350
18"	0.54	14.00	21.00	325	6.00	13.00	235	6.00	13.00	235	6.00	13.00	235	350
20"	0.57	15.00	22.50	390	7.00	14.00	290	7.00	14.00	300	7.00	14.00	300	350
24"	0.61	17.00	25.00	575	7.50	14.50	390	7.50	14.50	395	7.50	14.50	400	350
30"	0.66	21.50	30.50	865	10.50	19.50	715	6.75	15.75	600	4.75	13.75	535	250

Weight shown is the approximate weight for fittings with minimum "A" dimension.
Weight does not include cement lining or accessories.

Mechanical Joint Wyes (45° Laterals)



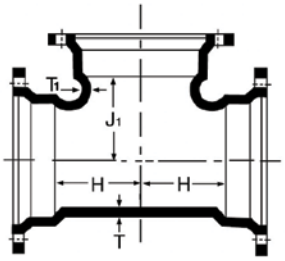
FITTING SIZE (inches)		DIMENSIONS (inches)				MINIMUM WEIGHT (lbs.)	Pressure Rating (PSI)
RUN	BRANCH	T nominal (in.)	T 1 nominal (in.)	A nominal (in.)	Y nominal (in.)		
4"	4"	0.35	0.35	2.50	8.50	45	350
6"	4"	0.37	0.35	1.50	11.00	66	350
6"	4"	0.37	0.37	3.00	13.00	91	350
8"	4"	0.39	0.35	0.50	13.00	93	350
8"	6"	0.39	0.37	2.00	14.50	116	350
8"	8"	0.39	0.39	3.50	16.00	130	350
10"	4"	0.41	0.35	0.00	15.00	114	350
10"	6"	0.41	0.37	1.00	16.00	141	350
10"	8"	0.41	0.39	2.50	17.00	177	350
10"	10"	0.41	0.41	3.50	19.00	189	350
12"	4"	0.43	0.35	0.00	16.50	210	350
12"	6"	0.43	0.37	1.50	18.50	174	350
12"	8"	0.43	0.39	1.50	18.50	235	350
12"	10"	0.43	0.41	3.00	20.00	275	350
12"	12"	0.43	0.43	4.50	19.50	248	350

SPECIFICATIONS
MECHANICAL JOINT WYES

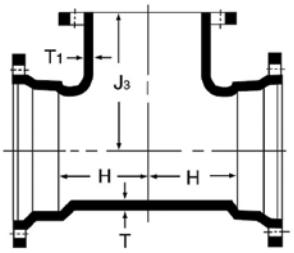
FITTING SIZE (inches)		DIMENSIONS (inches)				MINIMUM WEIGHT (lbs.)	Pressure Rating (PSI)
RUN	BRANCH	T nominal (in.)	T 1 nominal (in.)	A nominal (in.)	Y nominal (in.)		
14"	14"					474	350
16"	6"					300	350
16"	8"					349	350
16"	12"					453	350
16"	16"					575	350
24"	12"					900	350
24"	18"					1047	350
24"	24"					1186	350
30"	24"					1575	250
36"	36"					2280	250

NOTE: All fittings on this page – Call for availability.

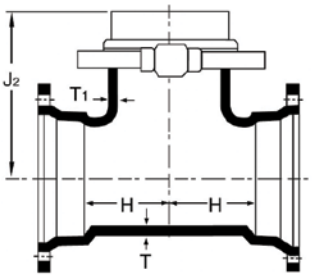
Mechanical Joint Tees C153



MJ x MJ Tee



MJ x FE Tee



MJ x Swivel Tee

SIZE (inches)	DIMENSIONS (inches)						WEIGHTS (lbs.)			Pressure Rating
	T	T_1	H	J_1	J_2	J_3	MJ x MJ	MJ x FE	MJ x SW	PSI
4" x 4"	0.34	0.34	4	4			32			350
6" x 4"	0.36	0.34	4	5			46			350
6" x 6"	0.36	0.36	5	5	10	8	56	67	68	350
8" x 4"	0.38	0.34	4	6 1/2			60			350
8" x 6"	0.38	0.36	5	6 1/2	11	9	72	86	92	350
8" x 8"	0.38	0.38	6 1/2	6 1/2			86			350
10" x 4"	0.40	0.34	4	7 1/2			78			350
10" x 6"	0.40	0.36	5	7 1/2	12 1/2	11	90	106	109	350
10" x 8"	0.40	0.38	6 1/2	7 1/2			105			350
10" x 10"	0.40	0.40	7 1/2	7 1/2			120			350
12" x 4"	0.42	0.34	4	8 3/4			94			350
12" x 6"	0.42	0.36	5	8 3/4	13 1/2	12	110	117	113	350
12" x 8"	0.42	0.38	6 1/2	8 3/4			125			350
12" x 10"	0.42	0.40	7 1/2	8 3/4			140			350
12" x 12"	0.42	0.42	8 3/4	8 3/4			160			350
14" x 4"	0.47	0.34	5 1/2	10 1/2			172			350
14" x 6"	0.47	0.36	6 1/2	10 1/2	12 1/2	14	182	205	183	350
14" x 8"	0.47	0.38	7 1/2	10 1/2			206			350
14" x 10"	0.47	0.40	8 1/2	10 1/2			228			350
14" x 12"	0.47	0.42	9 1/2	10 1/2			234			350
14" x 14"	0.47	0.47	10 1/2	10 1/2			280			350
16" x 6"	0.50	0.36	6 1/2	11 1/2	13 1/2	15	228	224	233	350
16" x 8"	0.50	0.38	7 1/2	11 1/2			248			350
16" x 10"	0.50	0.40	8 1/2	11 1/2			264			350
16" x 12"	0.50	0.42	9 1/2	11 1/2			280			350
16" x 14"	0.50	0.47	10 1/2	11 1/2			316			350
16" x 16"	0.50	0.50	11 1/2	11 1/2			322			350

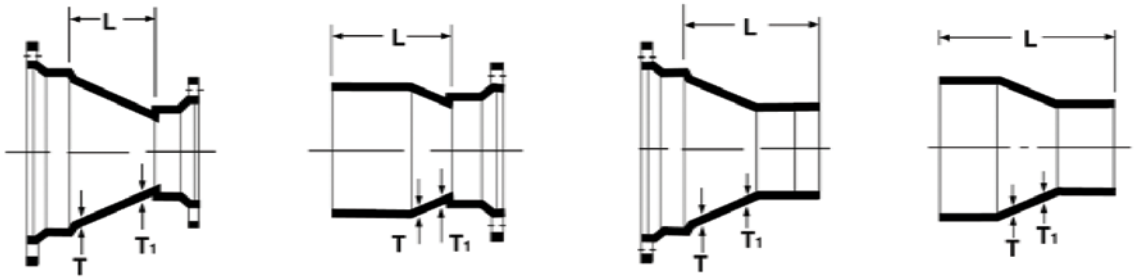
SPECIFICATIONS
MECHANICAL JOINT TEES

Mechanical Joint Tees C153

SIZE (inches)	DIMENSIONS (inches)						WEIGHTS (lbs.)			Pressure Rating
	T	T_1	H	J_1	J_2	J_3	MJ x MJ	MJ x FE	MJ x SW	PSI
18" x 6"	0.54	0.36	6 1/2	12 1/2	14 1/2	16	275	224	233	350
18" x 8"	0.54	0.38	7 1/2	12 1/2			295			350
18" x 10"	0.54	0.40	8 1/2	12 1/2			315			350
18" x 12"	0.54	0.42	9 1/2	12 1/2			335			350
18" x 14"	0.54	0.47	10 1/2	12 1/2			380			350
18" x 16"	0.54	0.50	11 1/2	12 1/2			405			350
18" x 18"	0.54	0.54	12 1/2	12 1/2			435			350
20" x 6"	0.57	0.36	6 1/2	14	16	17 1/2	315	340	360	350
20" x 8"	0.57	0.38	8	14			345			350
20" x 10"	0.57	0.40	9	14			370			350
20" x 12"	0.57	0.42	10	14			395			350
20" x 14"	0.57	0.47	11	14			440			350
20" x 16"	0.57	0.50	12	14			465			350
20" x 18"	0.57	0.54	13	14			505			350
20" x 20"	0.57	0.57	14	14			535			350
24" x 6"	0.61	0.36	7	16	21 1/2	19	415	460	458	350
24" x 8"	0.61	0.38	8	16			445			350
24" x 10"	0.61	0.40	9	16			470			350
24" x 12"	0.61	0.42	10	16			500			350
24" x 14"	0.61	0.47	11	16			550			350
24" x 16"	0.61	0.50	12	16			580			350
24" x 18"	0.61	0.54	13	16			625			350
24" x 20"	0.61	0.57	14	16			660			350
24" x 24"	0.61	0.61	16	16			720			350
30" x 20"	0.72	0.61	16 1/2	20			995			250
30" x 24"	0.72	0.72	22	20			1060			250
30" x 30"	0.72	0.72	22	20			1323			250
36" x 24"	0.77	0.72	16	23 1/2			1498			250
36" x 30"	0.77	0.72	20	23 1/2			1555			250
36" x 36"	0.77	0.77	23 1/2	23 1/2			1900			250
42" x 24"	0.82	0.61	20	25 1/2			2270			250
42" x 36"	0.82	0.74	30	30			3000			250
42" x 42"	0.82	0.82	30	30			3175			250
48" x 16"	0.90	0.61	23	32			2650			250
48" x 24"	0.90	0.61	23	32			2870			250
48" x 30"	0.90	0.66	23	32			3050			250
48" x 36"	0.90	0.74	33 1/2	32 1/4			3900			250
48" x 48"	0.90	0.90	33 1/2	33 1/2			4250			250

NOTE: All fittings on this page – Call for availability.

Mechanical Joint Reducers C153



FITTING SIZE (inches)	NOMINAL THICKNESS		DIMENSIONS								Pressure Rating
	T	T_1	MJ x MJ		MJ LEB		MJ SEB		PEx PE		
			L min.	Wt.	L min.	Wt.	L min.	Wt.	L min.	Wt.	PSI
6" x 4"	0.36	0.34	4	24	9.5	26	9.5	26	15	22	350
8" x 4"	0.38	0.34	5	32	10.5	34	10.5	30	16	30	350
8" x 6"	0.38	0.36	4	36	9.5	32	9.5	35	15	30	350
10" x 4"	0.40	0.34	7	46	12.5	43	12.5	43	18	46	350
10" x 6"	0.40	0.36	5	47	10.5	42	10.5	46	16	46	350
10" x 8"	0.40	0.38	4	50	9.5	50	9.5	42	15	47	350
12" x 4"	0.42	0.34	9	58	14.5	60	14.5	60	20	58	350
12" x 6"	0.42	0.36	7	58	12.5	58	12.5	58	18	57	350
12" x 8"	0.42	0.38	5	57	10.5	55	10.5	54	16	54	350
12" x 10"	0.42	0.40	4	61	9.5	59	9.5	59	15	54	350
14" x 6"	0.47	0.36	9	100	14.5	104	16.9	100	22.3	93	350
14" x 8"	0.47	0.38	7	100	12.4	98	14.9	98	20.3	94	350
14" x 10"	0.47	0.40	5	100	10.4	92	12.9	94	18.3	90	350
14" x 12"	0.47	0.42	4	100	9.4	92	11.9	90	17.3	88	350
16" x 6"	0.50	0.36	11	124	16.5	136	18.9	125	24.3	124	350
16" x 8"	0.50	0.38	9	124	14.4	128	16.9	124	22.3	119	350
16" x 10"	0.50	0.40	7	124	12.5	123	15.0	124	20.5	119	350
16" x 12"	0.50	0.42	5	112	10.5	119	12.9	122	18.3	113	350
16" x 14"	0.50	0.47	4	140	12.0	132	12.0	133	19.7	129	350
18" x 8"	0.54	0.38	13	190	19.5	195	20.2	170	27.4	170	350
18" x 10"	0.54	0.40	10	195	17.4	185	18.0	165	25.5	160	350
18" x 12"	0.54	0.42	7	180	14.0	175	15.5	150	19.5	150	350
18" x 14"	0.54	0.47	6	190	15.0	190	15.0	175	23	160	350
18" x 16"	0.54	0.50	5	195	12.5	190	12.5	170	18	145	350

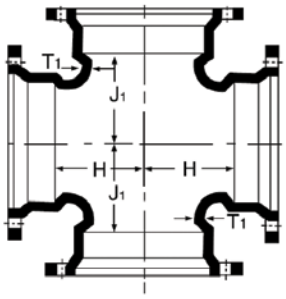
SPECIFICATIONS
MECHANICAL JOINT REDUCERS

Mechanical Joint Reducers C153

FITTING SIZE (inches)	NOMINAL THICKNESS		DIMENSIONS								Pressure Rating
	T	T_1	MJ x MJ		MJ LEB		MJ SEB		PEx PE		
			L min.	Wt.	L min.	Wt.	L min.	Wt.	L min.	Wt.	PSI
20" x 10"	0.57	0.40	14	220	19.0	210	22.0	200	27.5	180	350
20" x 12"	0.57	0.42	12	205	16.0	205	17.5	170	21.5	190	350
20" x 14"	0.57	0.47	10	200	17.9	205	18.0	190	26.0	195	350
20" x 16"	0.57	0.50	7	200	13.5	200	13.5	185	19.0	170	350
20" x 18"	0.57	0.54	4	225	12.0	215	12.0	200	20.0	190	350
24" x 12"	0.61	0.42	16	305	21.0	290	21.5	275	22.5	240	350
24" x 14"	0.61	0.47	14	310	21.9	330	22.0	310	25.0	295	350
24" x 16"	0.61	0.50	12	320	17.5	285	17.5	285	23.0	285	350
24" x 18"	0.61	0.54	10	305	18.0	310	18.0	300	21.0	290	350
24" x 20"	0.61	0.57	7	300	13.5	275	13.5	270	14.0	240	350
30" x 20"	0.72	0.72	24	628	33.0	603	33.0	560	42.0	535	250
30" x 24"	0.72	0.72	10	478	24.5	526	24.5	495	33.5	458	250
36" x 24"	0.77	0.77	19	770	33.0	810	33.0	746	42.0	709	250
36" x 30"	0.77	0.77	15.5	650	24.5	758	24.5	725	33.5	657	250
42" x 24"	0.82	0.61	40	1356							250
42" x 36"	0.82	0.66	15.5	1114			24.5	1023			250
48" x 24"	0.90	0.66	40	1850							250
48" x 30"	0.90	0.66	40	1779							250
48" x 36"	0.90	0.74	28	1641							250

NOTE: All fittings on this page – Call for availability.

Mechanical Joint Crosses C153

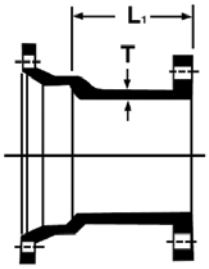


SIZE (inches)	DIMENSIONS (inches)				WEIGHTS (lbs.)	Pressure Rating
	T	T_1	H	J	MJ x MJ	PSI
4" x 4"	0.35	0.35	4	4	57	350
6" x 4"	0.37	0.35	5 1/4	5	68	350
6" x 6"	0.37	0.37	6 1/4	5	88	350
8" x 4"	0.39	0.35	5 1/4	6	99	350
8" x 6"	0.39	0.37	6	6	100	350
8" x 8"	0.39	0.39	7 1/4	6	130	350
10" x 4"	0.41	0.35	4	7	120	350
10" x 6"	0.41	0.37	5	7	125	350
10" x 8"	0.41	0.39	6 1/2	7	130	350
10" x 10"	0.41	0.41	7 1/2	7	210	350
12" x 4"	0.43	0.35	4	8 1/2	150	350
12" x 6"	0.43	0.37	5	8 1/2	159	350
12" x 8"	0.43	0.39	6 1/2	8 1/2	165	350
12" x 10"	0.43	0.41	7 1/2	8 1/2	190	350
12" x 12"	0.43	0.43	8 3/4	8 1/2	280	350
14" x 8"	0.51	0.45	7 1/2	10 1/2	259	350
14" x 14"	0.51	0.51	10 1/2	10 1/2	413	350
16" x 6"	0.52	0.45	6 1/2	11 1/2	250	350
16" x 8"	0.52	0.46	8 1/2	11 1/2	289	350
16" x 10"	0.52	0.47	8 1/2	11 1/2	345	350
16" x 12"	0.52	0.48	9 1/2	11 1/2	397	350
16" x 16"	0.52	0.51	11 1/2	11 1/2	578	350
18" x 12"	0.54				437	350
18" x 18"	0.54				657	350
20" x 8"	0.57				440	350
20" x 12"	0.57				558	350
20" x 18"	0.57				698	350
20" x 20"	0.57				798	350
24" x 8"	0.61				500	350
24" x 12"	0.61				620	350
24" x 16"	0.61				720	350
24" x 18"	0.61				868	350
24" x 20"	0.61				1014	350
24" x 24"	0.61				1038	350
30" x 30"	0.66		22.00	22.00	1840	250
36" x 36"	0.74		26.00	26.00	2655	250

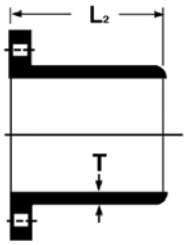
NOTE: All fittings on this page – Call for availability.

SPECIFICATIONS
MECHANICAL JOINT ADAPTERS

Mechanical Joint Adapters C153

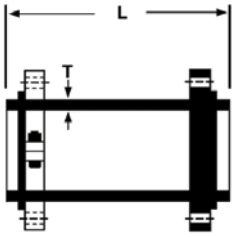


MJ x FE



MJ x PE

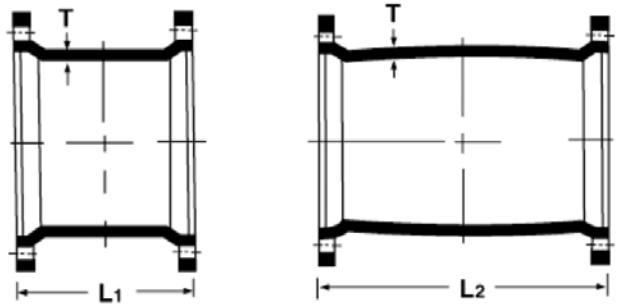
FITTING SIZE (inches)	DIMENSIONS (inches)			MINIMUM WEIGHT (lbs)		Pressure Rating
	T nominal (in.)	L_1 nominal (in.)	L_2 nominal (in.)	MJ x FE	FE x PE	PSI
4"	0.35	6	12	24	24	350
6"	0.37	6	12	36	33	350
8"	0.39	6	12	52	52	350
10"	0.41	6	12	67	69	350
12"	0.43	6	12	80	88	350
14"	0.51	6	12	126	127	350
16"	0.52	6	12	166	149	350



Swivel x Solid (anchor coupling)

FITTING SIZE (inches)	DIMENSIONS (inches)		MINIMUM WEIGHT (lbs.)	Pressure Rating (PSI)
	T (in.)	L (in.)		
6"	0.55	13	75	350
8"	0.55	36	129	350

Mechanical Joint Sleeves C153



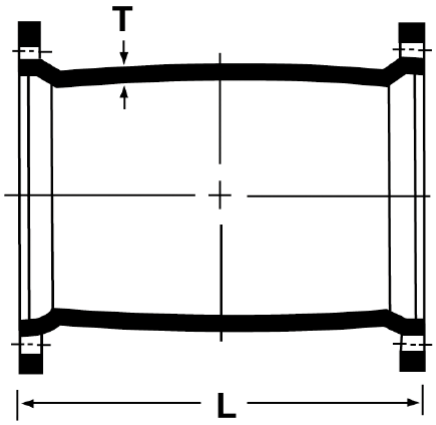
FITTING SIZE (inches)	DIMENSIONS (inches)			SHORT SLEEVE MINIMUM WEIGHT (lbs)	LONG SLEEVE MINIMUM WEIGHT (lbs)	Pressure Rating (PSI)
	T nominal	L_1 nominal	L_2 nominal			
4"	0.34	7.5	12.0	17	20	350
6"	0.36	7.5	12.0	28	33	350
8"	0.38	7.5	12.0	38	46	350
10"	0.40	7.5	12.0	49	62	350
12"	0.42	7.5	12.0	56	76	350
14"	0.47	9.5	15.0	111	140	350
16"	0.50	9.5	15.0	123	170	350
18"	0.54	9.0	15.0	160	200	350
20"	0.57	9.0	15.0	195	255	350
24"	0.61	9.0	15.0	255	335	350
30"	0.72	15.0	24.0	500	640	250
36"	0.77	15.0	24.0	725	925	250

SPECIFICATIONS
MECHANICAL JOINT DUO-SLEEVES

Mechanical Joint Duo-Sleeves C153

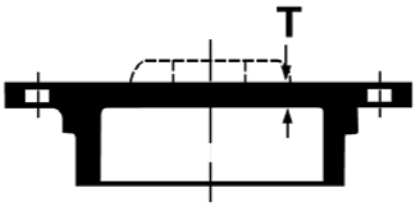
Many older pipelines that are still in service were constructed with cast (gray) iron pipe. Prior to the introduction of centrfugal casting, and the adoption of standardized dimension in the waterworks industry, pipes were produced by "pit casting" methods. Pit cast pipe had a larger diameter (OD) than currently manufactured ductile iron pipe. While the older type of pipe is no longer manufactured, it is sometimes necessary to connect a new ductile iron pipe or fitting to the older lines.

The Griffin Duo-Sleeve is designed with a larger inner diameter for use on older pipelines of cast iron with oversized diameters (OD). The Duo-Sleeve allows cutting into and adapting to the older pipelines with newer ductile iron pipe, fittings or valves. The current C153 compact mechanical joint ductile iron sleeves will not adapt to the oversize cast iron pipe. The Duo-Sleeve has larger dimensions in the gasket/gland area and will fit oversize pipe as well as new ductile iron pipe. The Duo-Sleeve requires the use of special Duo-Gland that is supplied with each Duo-Sleeve. The gasket is the current C111 mechanical joint gasket (gasket not supplied with the fitting).

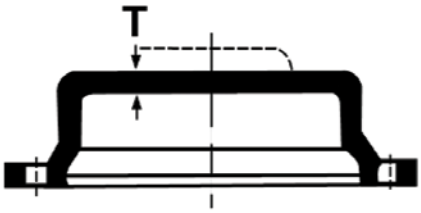


FITTING SIZE (inches)	SUITABLE PIPE SIZES (OD inches)	DIMENSIONS (inches)			MINIMUM WEIGHT (lbs.)	Pressure Rating (PSI)
		T nominal	L nominal	INSIDE DIAMETER nominal (+0.7/-0.3)		
4"	4.80 - 5.00	0.35	12.0	5.12	23	350
6"	6.90 - 7.10	0.37	12.0	7.22	49	350
8"	9.05 - 9.30	0.39	12.0	9.42	65	350
10"	11.10 - 11.40	0.40	12.0	11.52	86	350
12"	13.20 - 13.50	0.43	12.0	13.62	111	350

Mechanical Joint Caps & Plugs C153



MJ Solid / Tapped Plug



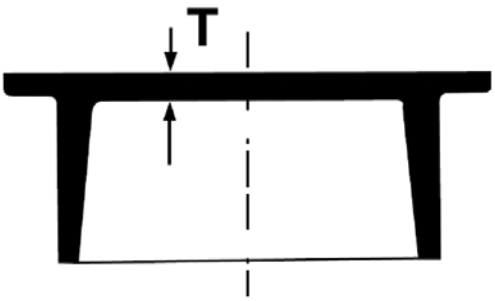
MJ Solid / Tapped Cap

FITTING SIZE (inches)	DIMENSIONS (in.)		MAXIMUM TAP SIZE (inches)	MINIMUM WEIGHT (lbs.)		Pressure Rating (PSI)
	T (in.)			Plug	Cap	
	Plug	Cap				
4"	0.34	0.34	3"	10	10	350
6"	0.36	0.36	4"	21	19	350
8"	0.38	0.38	4"	29	27	350
10"	0.40	0.40	4"	42	36	350
12"	0.42	0.42	4"	57	45	350
14"	0.47	0.47	4"	87	67	350
16"	0.50	0.50	4"	104	93	350
18"	0.54	0.54	4"	164	122	350
20"	0.57	0.57	4"	153	162	350
24"	0.61	0.61	4"	202	202	350
30"	0.66	0.66	4"	495	491	250
36"	0.74	0.74	4"	858	876	250

NOTE: Tapping holes larger than 2" in a flat plug or cap can reduce the strength of the fitting.

SPECIFICATIONS
PUSH-ON JOINT PLUG

Mechanical Joint Push-On Plug C153



FITTING SIZE (inches)	DIMENSIONS (in.)	MAXIMUM TAP SIZE (inches)	MINIMUM WEIGHT (lbs.)	Pressure Rating (PSI)
	T (in,)			
4"	0.46	3"	8	350
6"	0.46	3"	17	350
8"	0.46	4"	25	350
10"	0.56	4"	34	350
12"	0.56	4"	48	350
14"	0.66	4"	110	350
16"	0.70	4"	99	350
18"	0.75	4"	180	350
20"	0.80	4"	220	350
24"	0.89	4"	315	350
30"	0.72	4"	460	250
36"	0.95	4"	777	250

NOTE: Tapping holes larger than 2" in a flat plug or cap can reduce the strength of the fitting.

NOTES

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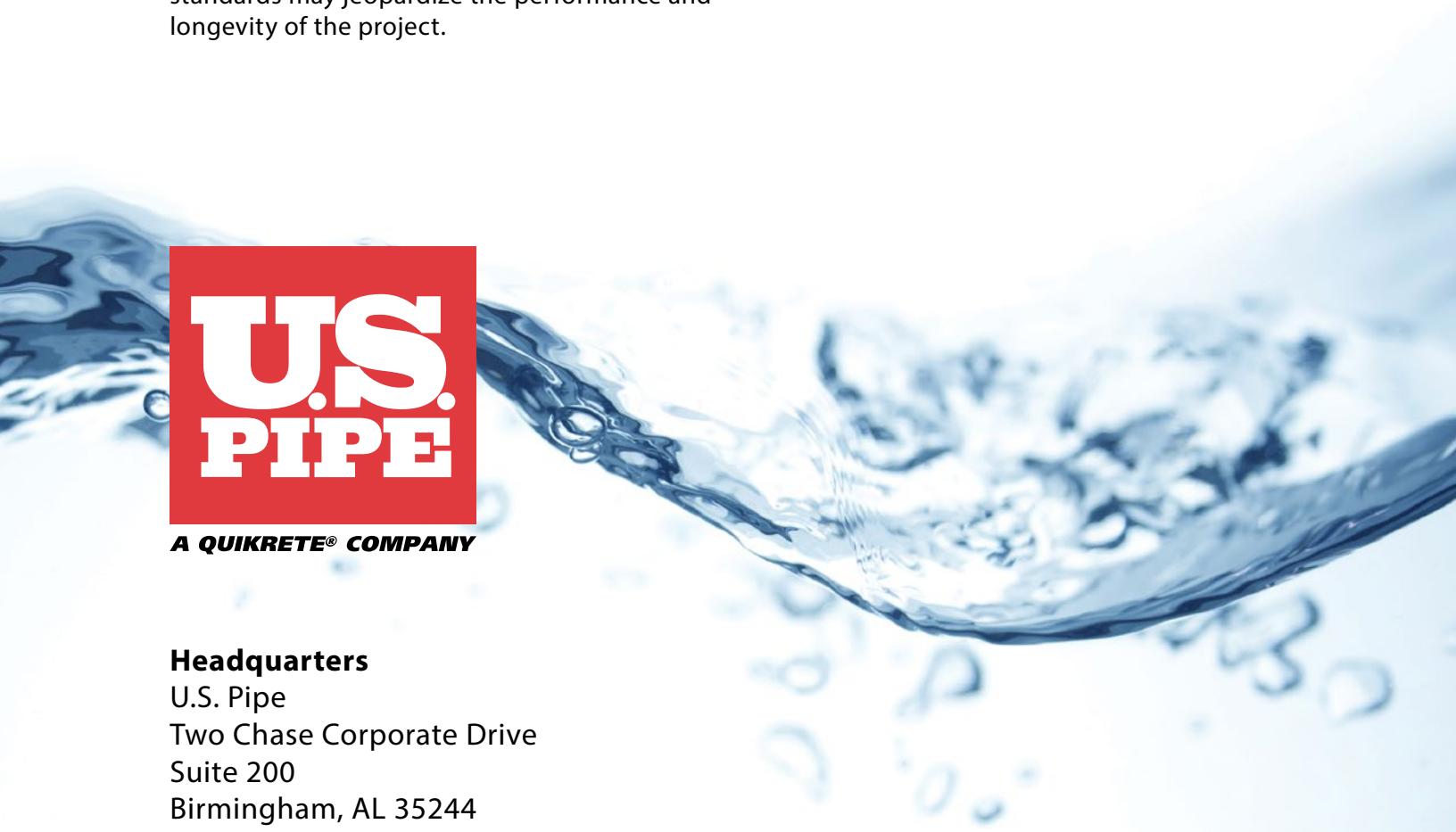

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