

SAMPLE SPECIFICATION

Mechanical Joint watermain fittings with accessories, 2" through 48" shall be produced of Ductile Iron in accordance with and meet all applicable terms and provisions of standards ANSI/AWWA C110/A21.10 ANSI/AWWA C111/A21.11 (current revisions). Ductile Iron Mechanical Joint Fittings 3" through 24" shall be rated for 350 PSI working pressure. All Ductile Iron Mechanical Joint Fittings 30" through 48" shall be rated for 250 PSI working pressure.

NOTE - EXCEPTIONS: Mechanical Joint Fittings with flanged branches and 14" and larger caps and plugs are rated for water pressure of 250 PSI.

NOTE: Fittings are CEMENT-LINED and seal coated in accordance with ANSI/AWWA C104/A21.4; also available double cement-lined, bare or epoxy coated. All coated fittings meet requirements of NSF-61.

JOINT DIMENSIONS IN INCHES FOR MECHANICAL JOINT FITTINGS

DIMENSIONS IN INCHES

Size	A	B	C	D	F	⅓	X	J	K ¹	K ²	L	M	N	O	P	S
*2	2.50	2.50	3.39	3.50	2.61	28°	¾	4.75	6.25	6.25	.75	.6231	.63	.44
3	3.96	2.50	4.84	4.94	4.06	28°	¾	6.19	7.69	7.69	.94	.62	1.37	.31	.63	.52
4	4.80	2.50	5.92	6.02	4.90	28°	⅞	7.50	9.12	9.12	1.00	.75	1.50	.31	.75	.65
6	6.90	2.50	8.02	8.12	7.00	28°	⅞	9.50	11.12	11.12	1.06	.88	1.63	.31	.75	.70
8	9.05	2.50	10.17	10.27	9.15	28°	⅞	11.75	13.37	13.37	1.12	1.00	1.75	.31	.75	.75
10	11.10	2.50	12.22	12.34	11.20	28°	⅞	14.00	15.69	15.62	1.19	1.00	1.75	.31	.75	.80
12	13.20	2.50	14.32	14.44	13.30	28°	⅞	16.25	17.94	17.88	1.25	1.00	1.75	.31	.75	.85
14	15.30	3.50	16.40	16.54	15.44	28°	⅞	18.75	20.31	20.25	1.31	1.25	2.00	.31	.75	.89
16	17.40	3.50	18.50	18.64	17.54	28°	⅞	21.00	22.56	22.50	1.38	1.31	2.06	.31	.75	.97
18	19.50	3.50	20.60	20.74	19.64	28°	⅞	23.25	24.83	24.75	1.44	1.38	2.13	.31	.75	1.05
20	21.60	3.50	22.70	22.84	21.74	28°	⅞	25.50	27.08	27.00	1.50	1.44	2.19	.31	.75	1.12
24	25.80	3.50	26.90	27.04	25.94	28°	⅞	30.00	31.58	31.50	1.62	1.56	2.31	.31	.75	1.22
30	32.00	4.00	33.29	33.46	32.17	20°	1⅞	36.88	39.12	39.12	1.81	2.00	2.75	.38	1.00	1.50
36	38.30	4.00	39.59	39.76	38.47	20°	1⅞	43.75	46.00	46.00	2.00	2.00	2.75	.38	1.00	1.80
42	44.50	4.00	45.79	45.96	44.67	20°	1⅞	50.62	53.12	53.12	2.00	2.00	2.75	.38	1.00	1.95
48	50.80	4.00	52.09	52.26	50.97	20°	1⅞	57.50	60.00	60.00	2.00	2.00	2.75	.38	1.00	2.20

* Not included in AWWA C110.

ACCESSORIES AND WEIGHTS

Size	No.	Bolt Size	Bolt Length	Bolt Torque Ft/Lbs.	Wt. of Gland, Bolts and Gasket, Lbs.	Pipe Barrel O.D.
*2	2	⅝	3	45-60	5	2.50
3	4	⅝	3	45-60	7	3.96
4	4	¾	3½	75-90	10	4.80
6	6	¾	4	75-90	16	6.90
8	6	¾	4	75-90	25	9.05
10	8	¾	4	75-90	30	11.10
12	8	¾	4	75-90	40	13.20
14	10	¾	4½	75-90	45	15.30
16	12	¾	4½	75-90	55	17.40
18	12	¾	4½	75-90	65	19.50
20	14	¾	4½	75-90	85	21.60
24	16	¾	5	75-90	105	25.80
30	20	1	6	100-120	220	32.00
36	24	1	6	100-120	301	38.30
42	28	1¼	6½	120-150	389	44.50
48	32	1¼	6½	120-150	477	50.80

* Not included in AWWA C110.

14" THRU 48"
GLANDS MAY
BE TAPERED

