

# Water, Sewer & Drain Fittings B-36

# AWWA Ductile Iron Grooved Fittings

## AWWA Grooved Fittings

Grooved fittings for AWWA size pipe are supplied with rigid radius grooves in accordance with ANSI/AWWA C-110 for center-to-end dimensions and AWWA C-153 or ANSI 21.10/AWWA C-110 for wall thickness.

While most requirements are specified "black" or non-coated, fittings can be supplied with an Alkyd, phenolic primer (2.0 - 3.5 mils), or bituminous coating. Coal tar epoxy (3 mils) and other coatings are available. The standard black asphalt coating used on our cement lined AWWA size fittings is NSF 61 Listed. Cast surfaces will be provided with surface equivalent to SSPC-SP6 prior to coating unless specified otherwise. Fittings are available with flanged ends wherever grooved ends are shown.

Optional linings include cement/mortar (Type V) and others. Fittings can readily be prepared for glass lining by others.

Fittings are rated for working pressures to 350 PSI (ductile iron) in 3 - 12" sizes and to 250 PSI (gray iron) in sizes 3 - 12", and to 250 PSI (ductile iron), or 150 PSI (gray iron) for 14" and larger. Victaulic fittings shown have an end-to-end dimension tolerance of  $\pm 1/8$ " in all sizes and styles.



Cement Lined



Varied Coatings

NOM. PIPE SIZE (in.)																		
	90° LR ELBOW		90° ELBOW		45° ELBOW		22 1/2° ELBOW		11 1/4° ELBOW		CAP†		TEE		CROSS		45° LATERAL	
	C to E (in.)	WT. (lbs.)	C to E (in.)	WT. (lbs.)	C to E (in.)	WT. (lbs.)	C to E (in.)	WT. (lbs.)	C to E (in.)	WT. (lbs.)	T (in.)	WT. (lbs.)	C to E (in.)	WT. (lbs.)	C to E (in.)	WT. (lbs.)	C to E (in.)	WT. (lbs.)
3	7.75	10	5.50	9	3.00	6	3.00	8	3.00	8	—	—	5.50	12	5.50	15	3.00	18
4	9.00	16	6.50	12	4.00	10	4.00	10	4.00	10	1.16	4	6.50	19	6.50	24	3.00	25
6	11.50	30	8.00	22	5.00	17	5.00	18	5.00	18	1.16	12	8.00	34	8.00	42	3.50	43
8	14.00	50	9.00	35	5.50	26	5.50	27	5.50	22	1.34	22	9.00	53	9.00	65	4.50	73
10	16.50	76	11.00	55	6.50	38	6.50	41	6.50	41	1.53	35	11.00	82	11.00	98	5.00	110
12	19.00	110	12.00	71	7.50	55	7.50	58	7.50	60	1.53	51	12.00	112	12.00	132	5.50	157
14	21.50	261	14.00	151	7.50	96	7.50	69	7.50	70	*	52	14.00	230	14.00	252	6.00	410
16	24.00	337	15.00	200	8.00	125	8.00	93	8.00	93	*	68	15.00	295	15.00	355	6.50	580
18	26.50	451	16.50	261	8.50	155	8.50	121	8.50	122	*	88	16.50	395	16.50	472	7.00	725
20	29.00	588	18.00	344	9.50	205	9.50	167	9.50	169	*	110	18.00	510	18.00	608	8.00	935
24	34.00	909	22.00	557	11.00	345	11.00	235	11.00	237	*	165	22.00	815	22.00	981	9.00	1455
30	41.50	1780	25.00	910	15.00	600	*	*	*	*	*	*	25.00	1350	*	*	*	*
36	49.00	2690	28.00	1340	18.00	960	*	*	*	*	*	*	28.00	2025	*	*	*	*

\* Contact E.J. Prescott for details. † Caps available for 1" through 4" tap sizes

### SHORT SPEC:

AWWA Grooved fittings shall be ductile iron in accordance with ANSI/AWWA C-110 for center-to-end dimensions and ANSI/AWWA 21.10/C-153 for wall thickness. Fitting interior shall be cement lined and seal coated. The outside coating shall be red primer or bituminous coating.