

STANDARD GROOVED FITTINGS STYLES 100, 101, 102, 103, 110 & 150

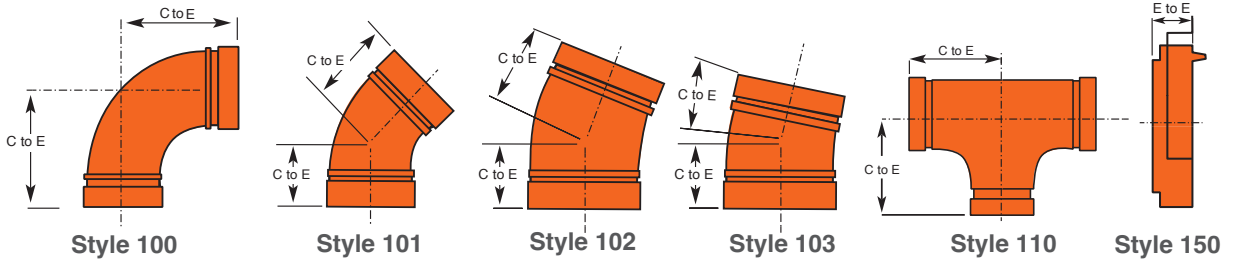


UL Listed
Under File No. EX15591

- All fittings are full flow design
- Made of durable, high-strength ductile iron conforming to ASTM A536; every lot is metallurgically tested for compliance
- Available with hot dipped galvanized coating
- Suitable for HVAC, plumbing, & fire protection systems
- Rated for 300 psi

FLOW DATA Frictional Resistance (Expressed as equivalent Straight Pipe In Ft.)									
Nominal Size (In)	Elbow		Tee		Nominal Size (In)	Elbow		Tee	
	90° Elbow	45° Elbow	Branch	Run		90° Elbow	45° Elbow	Branch	Run
1-1/4	2.3	1.2	5.8	2.3	5	8.4	4.2	21.0	8.4
1-1/2	2.7	1.3	6.7	2.7	6	10.1	5.1	25.3	10.1
2	3.4	1.7	8.6	3.4	8	13.3	6.7	33.3	13.3
2-1/2	4.1	2.1	10.3	4.1	10	16.7	8.4	41.8	16.7
3	5.1	2.6	12.8	5.2					
4	6.7	3.4	16.8	6.7					

Flow data is based upon the pressure drop of Sch. 40 pipe



Pipe		90° Elbow No. 100		45° Elbow No. 101		22-1/2 Elbow No. 102		11-1/4 Elbow No. 103		Equal Tee No. 110		End Cap No. 150	
Nominal Size (In.)	Actual Size (In.)	C to E (In.)	Approx. Wgt. Ea. (Lb.)	C to E (In.)	Approx. Wgt. Ea. (Lb.)	C to E (In.)	Approx. Wgt. Ea. (Lb.)	C to E (In.)	Approx. Wgt. Ea. (Lb.)	C to E (In.)	Approx. Wgt. Ea. (Lb.)	E to E (In.)	Approx. Wgt. Ea. (Lb.)
1	1.315	2.24	.85	1.496	.65	1.61	.45	1.38	.42	2.24	1.45	0.96	.25
1-1/4	1.66	2.755	1.17	1.73	.70	1.732	.80	1.38	0.55	2.755	1.52	0.96	.33
1-1/2	1.9	2.755	1.17	1.73	.78	1.732	.84	1.38	0.63	2.755	1.74	0.96	0.44
2	2.375	3.257	2.25	2.0	1.20	2.0	1.14	1.38	0.82	3.267	2.5	0.96	0.61
2-1/2	2.875	3.74	2.76	2.24	1.63	2.0	1.50	1.5	1.22	3.74	3.73	0.96	0.85
3	3.5	4.251	3.44	2.52	2.38	2.24	2.53	1.5	1.62	4.251	6.24	0.96	1.01
4	4.5	5.0	5.32	3.0	3.84	2.87	3.91	1.89	2.63	5.0	8.70	0.99	1.42
5	5.563	5.51	8.0	3.28	5.74	2.87	5.10	2.0	3.90	5.51	12.44	0.99	2.80
6	6.625	6.496	14.31	3.51	8.11	3.11	7.16	2.0	4.78	6.496	18.21	0.99	4.40
8	8.625	7.755	21.63	4.25	14.27	3.86	11.88	2.0	7.10	7.755	33.25	1.181	9.30
10	10.75	8.464	37.04	4.76	22.0	4.37	14.0	2.13	14.5	8.464	46.35	1.26	9.33
12	12.75	9.645	57.25	5.24	33	4.88	22.0	2.25	25.5	9.645	59.50	1.26	13.25

PROJECT	APPROVAL STAMP
PROJECT:	<input type="checkbox"/> APPROVED
ADDRESS:	<input type="checkbox"/> APPROVED AS NOTED
ENGINEER:	<input type="checkbox"/> NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	