

GROOVED FITTINGS - SHORT PATTERN

STYLES F105, F106, F107, F135 & F155

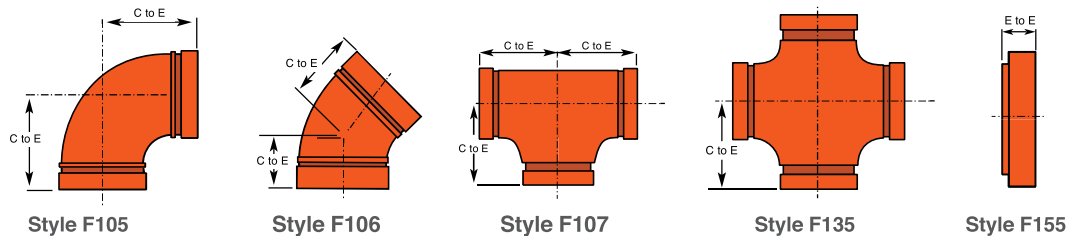


UL Listed Under File No. EX15591

- Sized to improve flow
- Designed to Fire Protection Industry standards for short patterned fittings
- Rated for 300 psi
- Made of durable, high-strength ductile iron conforming to ASTM A536; every lot is metallurgically tested for compliance
- Available with hot dipped galvanized coating

FLOW DATA Frictional Resistance (Expressed as equivalent Straight Pipe in Ft.)								
Nominal Size (In)	90° Elbow		45° Elbow		Tee			
	STD	F105	STD	F106	Branch		Run	
	STD	F105	STD	F106	STD	F107	STD	F107
1	1.7	1.4	0.9	0.9	4.4	4.0	1.7	1.4
1¼	2.3	1.8	1.2	1.0	5.8	4.2	2.3	1.8
1½	2.7	2.5	1.3	1.3	6.7	5.5	2.7	2.5
2	3.4	3.2	1.7	1.6	8.6	8.2	3.4	2.5
2½	4.1	3.9	2.1	2.0	10.3	10.1	4.1	3.9
3	5.1	4.8	2.6	2.4	12.8	12.5	5.1	4.8
4	6.7	6.5	3.4	3.2	16.8	16.0	6.7	6.5
5	8.4	8.4	4.2	4.0	21.0	20.5	8.4	8.2
6	10.1	10.0	5.1	4.8	25.3	24.0	10.1	9.6
8	13.3	13.0	6.7	6.5	33.3	33.0	13.3	13.0

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



Pipe		90° Elbow No. F105		45° Elbow No. F106		Equal Tee No. F107		Cross No. F135		End Cap No. F155	
Nominal Size	Actual Size (In.)	C to E (In.)	Aprox. Wgt. Ea. (lb.)	C to E (In.)	Aprox. Wgt. Ea. (lb.)	C to E (In.)	Aprox. Wgt. Ea. (lb.)	C to E (In.)	Aprox. Wgt. Ea. (lb.)	E to E (In.)	Aprox. Wgt. Ea. (lb.)
1	1.66	2.362	.80	1.73	.70	2.362	1.10	2.75	2.1	0.99	.33
1½	1.9	2.362	1.01	1.73	.78	2.362	1.34	2.75	2.5	0.99	0.44
2	2.375	2.755	1.24	2.00	1.20	2.755	1.98	2.75	2.49	0.99	0.61
2½	2.875	2.992	2.03	2.24	1.63	2.992	2.82	2.99	3.19	0.99	0.85
3	3.5	3.368	2.53	2.52	2.38	3.386	3.90	3.38	5.09	0.99	1.01
4	4.5	3.996	3.74	3.00	3.84	3.996	5.72	3.99	7.22	0.99	1.42
5	5.563	4.803	7.20	3.28	5.74	4.803	9.52	4.80	7.23	0.99	2.80
6	6.625	5.5	9.06	3.51	8.11	5.5	14.13	5.5	15.97	0.99	4.40
8	8.625	6.889	20.52	4.25	14.27	6.889	27.07	6.88	28.66	1.181	9.30

NOTES: Allowable pipe end separation is for cut groove pipe for roll groove, figures will be one-half of the values listed at time of initial pressurization. □ - Bolts and Nuts are galvanized. * - Maximum pressure including surges and maximum end loads from all internal and external forces, to which a joint could be subject under normal working conditions. This rating provides a nominal safety factor of 1.5 times working pressure based on standard weight steel pipe. Maximum working pressure may be subjected to a one time field test of 1.5 times the figures indicated. Refer to installations and groove specifications when assembling any grooved product.

PROJECT	APPROVAL STAMP
PROJECT:	☐ APPROVED
ADDRESS:	☐ APPROVED AS NOTED
ENGINEER:	☐ NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	