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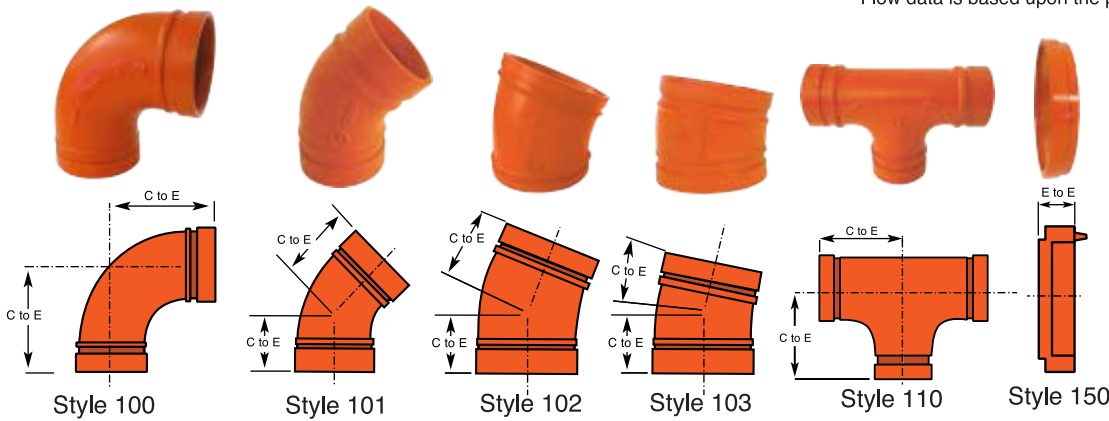
www.gemlockgrooved.com

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

- All fittings are full flow design
- Pressure ratings of fittings tested to an operating pressure of 500 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.)	Elbow		Tee		Nominal Size (In.)	Elbow		Tee	
	90° Elbow	45° Elbow	Branch	Run		90° Elbow	45° Elbow	Branch	Run
1¼	2.3	1.2	5.8	2.3	5	8.4	4.2	21.0	8.4
1½	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
2½	4.1	2.1	10.3	4.1	10	16.7	8.4	41.8	16.7
3	5.1	2.6	12.8	5.1	12	20.0	10.0	50.0	20.0
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		22½° Elbow - No.102		11¼° 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.)
1¼	1.660	2.75	0.9	1.75	0.6	1.75	0.7	1.38	0.5	2.75	1.4	.866	0.12
1½	1.900	2.75	1.1	1.75	1.0	1.75	0.8	1.38	0.7	2.75	1.8	.866	0.16
2	2.375	3.25	1.9	2.00	1.3	1.88	1.5	1.38	0.9	3.25	2.8	.866	0.26
2½	2.875	3.75	3.0	2.00	2.2	2.00	1.9	1.50	1.5	3.75	4.4	.866	0.37
3	3.500	4.25	4.7	2.50	3.2	2.25	3.2	1.50	2.0	4.25	6.5	.866	0.52
4	4.500	5.00	7.8	3.00	5.5	2.87	5.3	1.75	3.3	5.00	11.8	.99	0.70
5	5.563	5.50	12.1	3.25	8.5	2.88	7.2	2.00	5.0	5.50	19.2	.99	1.14
6	6.625	6.50	16.5	3.50	12.5	3.13	11.4	2.00	7.4	6.50	24.0	.99	1.68
8	8.625	7.75	33.1	4.25	21.8	3.88	17.8	2.00	10.0	7.75	51.8	1.181	3.51
10	10.750	9.00	61.1	4.75	28.9	4.38	30.0	2.13	14.5	9.00	77.1	1.259	26.0



UL Listed Under File No. EX15591

### 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. For dry systems, TRI Seal gaskets are recommended. EPDM gasket is supplied as standard. For other gaskets contact us.

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Data:			
Notes 1:			
Notes 2:			