

REDUCING COUPLING / STYLE 25

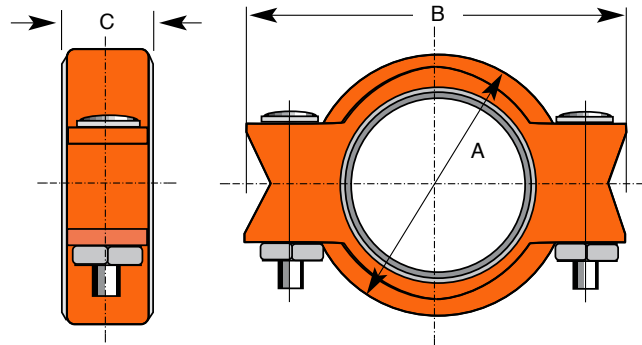
- Replaces two couplings and in-line reducer (concentric or eccentric)
- Available with hot dipped galvanized coating
- Provided with EPDM Gasket



UL Listed Under File No. EX15592

HEAD LOSS

Size (in.)	Flow Reducing		Flow Expanding	
	C _L Value	Equivalent Pipe Length (Smaller Dia.)	C _L Value	Equivalent Pipe Length (Smaller Dia.)
6" x 4"	0.16	4.5 ft	0.08	2.3 ft
5" x 4"	0.14	3.0 ft	0.14	3.3 ft
4" x 3"	0.37	6.0 ft	0.15	2.5 ft
3" x 2½"	0.30	3.8 ft	0.19	2.5 ft
3" x 2"	0.50	5.5 ft	0.30	3.5 ft
2½" x 2"	0.18	1.9 ft	0.09	1.0 ft
2" x 1½"	0.25	1.9 ft	0.23	2.0 ft



In above table, $C_L = \frac{2GH_L}{V^2}$

H_L = Head Loss in feet

V = Velocity in smaller pipe in feet/sec.

G = Acceleration due to gravity = 32.2 feet/sec.²

Pipe Nominal Size	Max. Working Pressure (psi)	Allow Pipe End Separation (in.)	Max. Deduction from center line		Dimensions (in.)			Approx. Weight Each (lb.)
			Per Coup Deg.	Pipe (in.)	A	B	C	
1½" x 1¼"	300	0.12	1°-53'	0.4	2.88	4.55	1.77	1.75
2" x 1¼"	300	0.12	1°-53'	0.4	3.543	5.079	1.85	1.88
2" x 1½"	300	0.12	1°-33'	0.4	3.543	5.079	1.85	1.95
2½" x 2"	300	0.12	1°-33'	0.32	3.976	5.394	1.8	2.50
3" x 2"	300	0.12	1°-17'	0.26	4.724	6.45	1.89	3.64
3" x 2½"	300	0.12	1°-17'	0.26	4.72	6.457	1.89	3.27
4" x 2"	300	0.25	2°-38'	0.55	5.906	7.677	1.929	4.74
4" x 2½"	300	0.25	2°-38'	0.55	5.906	7.677	1.929	4.55
4" x 3"	300	0.25	2°-38'	0.55	5.906	7.677	1.929	4.16
5" x 4"	300	0.25	2°-5'	0.44	6.969	8.74	1.909	6.65
6" x 4"	300	0.25	1°-44'	0.38	7.992	9.252	1.969	8.16
8" x 6"	300	0.25	1°-15'	0.26	10.394	12.32	2.362	15.15

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. EPDM gasket is supplied as standard.