

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

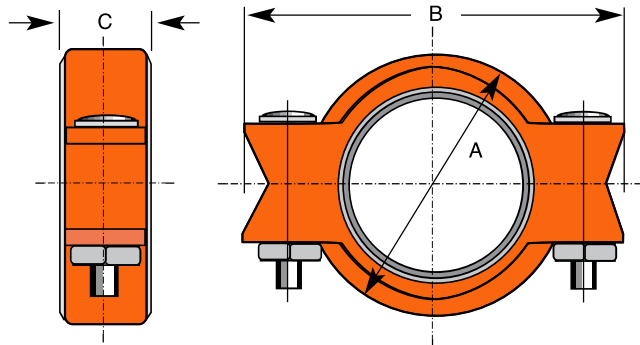
Size (In.)	Flow Reducing		Flow Expanding	
	C _L Value	Equivalent Pipe Length (Smaller Dia.)	C _L Value	Equivalent Pipe Length (Smaller Dia.)
6" x 4"	0.16	4.5 ft	0.08	2.3 ft
5" x 4"	0.14	3.0 ft	0.14	3.3 ft
4" x 3"	0.37	6.0 ft	0.15	2.5 ft
3" x 2½"	0.30	3.8 ft	0.19	2.5 ft
3" x 2"	0.50	5.5 ft	0.30	3.5 ft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

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

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.

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:	