



Steel Transition Coupling

Reducing Connection

415

IMPORTANT LINKS

Click appropriate words to go to:

[Standard Limited Warranty](#)
[Sales Terms & Conditions](#)
[Freight Policy](#)
[Returns Policy](#)
[Corrosion & Product Selection Notice](#)



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: Used to connect pipes with large differences in outside diameters.

Application: Joining plain end pipe of different nominal pipe sizes.

Key Features:

- Meets applicable AWWA C219 Standards
- Allows for limited expansion and contraction
- Will dampen vibration to reduce pipe fatigue
- Easy to install, no special pipe end preparation required
- Available in a wide variety of pipe O.D. sizes and sleeve lengths
- Most sizes will accommodate anchor studs to restrain the joints
- Can be custom made to fit odd O.D.s or other unusual applications
- Provided with or without pipe stops to accommodate customer needs
- Has good deflection capabilities, allows change in piping direction without the need of elbows, bends, etc...

Materials Specifications (subject to change):

SLEEVE: ASTM A53, ASTM A513 or Carbon Steel having a minimum yield of 30,000 PSI. Flexi-Coat® Fusion Bonded Finish

FOLLOWERS: Ductile Iron ASTM A536 or Steel AISI C1020 Steel

BOLTS & NUTS: High strength, low alloy Steel with heavy semi-finished hexagon nuts. (Stainless Steel optional)

GASKET: Nitrile (Buna N) NSF® 61 compounded to produce superior storage and performance

characteristics while resisting water, acids, alkalis, most (aliphatic) hydrocarbon fluids, and other chemicals

Temperature Range: -20°F to 180°F

FINISH: Flexi-Coat® Fusion Bonded Epoxy Finish

Working Pressure: Up to 150 PSI

Pipe Applications: Steel, Cast Iron, Asbestos Cement, PVC, and Ductile Iron. For other pipe materials, please contact Smith-Blair Engineering.

Sizes (in inches):

LARGE PIPE END: 6, 8, 10, 12, 14, 16, 17, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48.

SMALL PIPE END: 4, 5, 6, 8, 10, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46.

NOTE: Larger sizes available upon request.



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Large Pipe End

NOM. PIPE SIZE INCHES	PIPE O.D. RANGE INCHES	SLEEVE THICKNESS (A) INCHES	*APPROX. SHIP WT. LBS.
6	5.00-7.49	19/59	32
8	7.50-8.49	13/38	35
8	8.50-9.49	1/4	38
10	9.50-10.49	1/4	44
10	10.50-11.49	1/4	47
12	11.50-12.49	1/4	56
12	12.50-13.49	1/4	60
14	13.50-14.49	1/4	71
14	14.50-15.49	1/4	79
16	15.50-16.49	1/4	85
16	16.50-17.49	1/4	91
18	17.50-18.49	1/4	97
18	18.50-19.49	1/4	105
20	19.50-20.99	1/4	114
22	21.00-22.99	1/4	129
24	23.00-24.99	1/4	142
24	25.00-26.99	1/4	156
28	27.00-28.99	1/4	175
30	29.00-30.99	1/4	189
32	31.00-32.99	1/4	207
34	33.00-34.99	1/4	225
36	35.00-36.99	1/4	258
38	37.00-38.99	1/4	279
40	39.00-40.99	3/8	298
42	41.00-42.99	3/8	336
44	43.00-44.99	3/8	359
46	45.00-46.99	3/8	384
48	47.00-48.99	3/8	407

To order by stating the exact pipe O.D.s Do NOT state the listed O.D. ranges.
 Larger Sizes available upon request. Specify if pipe stops are required.
 *Add together for total weight. Larger sizes available upon request
 Check 413 ranges first if O. D. difference is 2" or less.

Small Pipe End

NOM. PIPE SIZE INCHES	PIPE O.D. RANGE INCHES	SLEEVE THICKNESS (B) INCHES	*APPROX. SHIP WT. LBS.
4	3.50-4.49	8/31	13
4	4.50-5.49	7/25	16
6	5.50-6.49	28/93	20
6	6.50-7.49	19/59	20
8	7.50-8.49	1/4	21
8	8.50-9.49	1/4	23
10	9.50-10.49	1/4	24
10	10.50-11.49	1/4	30
12	11.50-12.49	1/4	31
12	12.50-13.99	1/4	34
14	13.50-14.99	1/4	40
16	15.00-16.99	1/4	45
18	17.00-18.99	1/4	54
20	19.50-20.99	1/4	68
20	21.00-22.99	1/4	70
24	23.00-24.99	1/4	81
24	25.00-26.99	1/4	98
28	27.00-28.99	1/4	101
30	29.00-30.99	1/4	103
32	31.00-32.99	1/4	105
34	33.00-34.99	1/4	116
36	35.00-36.99	1/4	118
38	37.00-38.99	1/4	124
40	39.00-40.99	3/8	130
42	41.00-42.99	3/8	138
44	43.00-44.99	3/8	150
46	45.00-46.99	3/8	156

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Larger Sizes available upon request. Specify if pipe stops are required.

*Add together for total weight. Larger sizes available upon request

Check 413 ranges first if O. D. difference is 2" or less.