



Steel Insulating Coupling

Straight Transition

416

IMPORTANT LINKS

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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 and insulate metal pipes with the same outside diameters.

Application: Joining and insulating plain end metal pipe.

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
- Can be custom made to fit odd O.D.s or other unusual applications
- 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

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 bolts and nuts 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

Sizes (in inches): 2, 2½, 3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

NOTE: Larger sizes available upon request.



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NOM PIPE SIZE IN.	COUPLING O.D. RANGE INCHES	CATALOG NO.	SLEEVE DIMENSIONS		OVERALL	OVERALL	BOLTS			APPROX.
			SLEEVE THK. (A)	SLEEVE LGTH. (B)	DIAMETER IN. (D)	DIAMETER IN. (L)	QTY.	DIA. IN.	LGTH.	SHIP WT. LBS.
2	2.32-2.44	416-00238011-003	19/88	5	6 1/4	8 1/2	2	5/8	8 1/2	6
2.5	2.82-2.94	416-00288011-003	19/84	5	6 1/2	7 1/2	2	1/2	7 3/8	10
3	3.44-3.56	416-00350011-003	23/97	5	7	8 1/2	2	5/8	8 1/2	11
4	3.94-4.06	416-00400011-003	8/31	5	8 1/4	8 1/2	3	5/8	8 1/2	14 1/2
4	4.44-4.56	416-00450011-003	8/31	5	8 1/4	8 1/2	3	5/8	8 1/2	15 1/2
5	5.44-5.62	416-00556011-003	7/25	5	9 1/2	8 1/2	4	5/8	8 1/2	18 1/2
6	5.94-6.06	416-00600011-003	28/93	5	10 5/8	8 1/2	5	5/8	8 1/2	23 1/2
6	6.57-6.69	416-00663011-003	1/4	5	11 3/8	8 1/2	5	5/8	8 1/2	26
8	7.94-8.06	416-00800011-003	1/4	5	12 1/2	8 1/2	6	5/8	8 1/2	31
8	8.57-8.75	416-00863011-003	1/4	7	13 3/16	11	6	5/8	11	38 1/2
10	10.69-10.85	416-01075071-003	3/8	7	15 9/16	11	7	5/8	11	41
12	12.69-12.88	416-01275071-003	3/8	7	17 3/16	11	8	5/8	11	43
14	13.94-14.13	416-01400071-003	3/8	7	18 3/4	11	6	5/8	10 3/4	72
16	15.94-16.13	416-01600071-003	3/8	7	20 3/4	11	8	5/8	11	84
18	17.94-18.13	416-01800071-003	3/8	7	22 3/4	11	8	5/8	11	92
20	19.88-20.09	416-02000071-003	3/8	7	24 3/4	11	10	5/8	11	103
22	21.88-22.09	416-02200071-003	3/8	7	26 3/4	11	10	5/8	11	112
24	23.88-24.09	416-02400071-003	3/8	7	28 3/4	11	10	5/8	11	121

Larger sizes available upon request. To order a 416 with two insulating boots (optional), change the end code to 2-003. Example: 416-00238012-003

