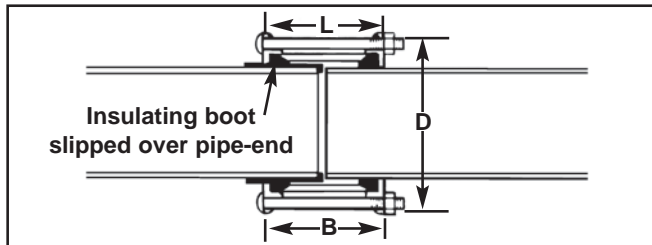




Smith-Blair's 416 Insulating Coupling for metal pipe connects and seals effectively on the same principle as the straight couplings. Utilizing an insulating boot, the 416 also stops the flow of electrical current along the pipe. The boot extends over one pipe-end well beyond the end of the coupling, thereby breaking any metal contact between the pipe-ends. Use of the 416 is recommended where the travel of electrical current is hazardous or damaging to the system. Insulating couplings are available in reducing sizes on special orders.



Material Specifications

- SLEEVE:** ASTM A-53, ASTM A-513 or carbon steel having a minimum yield of 30,000 psi.
- FOLLOWERS:** Ductile Iron ASTM A536 or AISI C 1020 steel
- GASKETS:** Nitrile (Buna-N)-NSF®61-Compounded to produce superior storage and performance characteristics while resisting water, acids, alkalies, most (aliphatic) hydrocarbons and many other chemicals. Temperature range -20°F to 180°F. Consult manufacturer for specific applications or other service temperatures.
- BOLTS & NUTS:** High-Strength, low alloy steel with heavy, semi-finished hexagon nuts.
- FINISH:** Fusion bonded Flexi-Coat Epoxy.

Material Specifications are subject to change.

Nom Pipe Size In.	Coupling O.D. Range Inches	Catalog No.	Sleeve Dimensions		Overall Diameter In. (D)	Overall Diameter In. (L)	Bolts			Approx. Ship Wt. Lbs.
			Sleeve Thk. (A)	Sleeve Lgth. (B)			Qty.	Dia. In.	Lgth.	
2	2.32-2.44	416-00238011-003	.216	5	6 1/4	8 1/2	2	5/8	8 1/2	6
2 1/2	2.82-2.94	416-00288011-003	.226	5	6 1/2	7 1/2	2	1/2	7 3/8	10
3	3.44-3.56	416-00350011-003	.237	5	7	8 1/2	2	5/8	8 1/2	11
4	3.94-4.06	416-00400011-003	.258	5	8 1/4	8 1/2	3	5/8	8 1/2	14 1/2
4	4.44-4.56	416-00450011-003	.258	5	8 1/4	8 1/2	3	5/8	8 1/2	15 1/2
5	5.44-5.62	416-00556011-003	.280	5	9 1/2	8 1/2	4	5/8	8 1/2	18 1/2
6	5.94-6.06	416-00600011-003	.301	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

418 Cast Tee Coupling for Small Diameter Pipe



Nom. Size Inches	*O.D. Inches	Tap Size I.P. Thread Inches	Sleeve Length (B) In.	Catalog Number	Approx. Ship Wt. Lbs.
3/4	1.02-1.08	3/4	5	418-00010506-003	4
1	1.26-1.38	1	5	418-00013208-003	5
1 1/4	1.60-1.72	1 1/4	5	418-00016610-003	7
1 1/2	1.84-1.96	1 1/2	6	416-00019012-003	7
2	2.32-2.44	2	6	418-00023814-003	10
2	2.44-2.56	2	6	418-00025014-003	10

Material Specifications

- TEE SLEEVE:** Gray iron ASTM A-126 or Ductile Iron ASTM A-536. Ends have a smooth inside taper for uniform gasket seating.
- FOLLOWER:** Malleable iron ASTM A-47 Grade 32510 or Ductile Iron ASTM A536. Designed for high strength/weight ratio. Follower thickness determined by coupling size.
- GASKETS:** Nitrile (Buna-N)-NSF®61-Compounded to produce superior storage and performance characteristics while resisting water, acids, alkalies, most (aliphatic) hydrocarbons and many other chemicals. Temperature range -20°F to 180°F. Consult manufacturer for specific applications or other service temperatures.
- BOLTS & NUTS:** High-Strength, low alloy steel with heavy, semi-finished hexagon nuts.
- FINISH:** Fusion bonded Flexi-Coat Epoxy.

Material Specifications are subject to change.