



OMNI Coupling System

Long Sleeve Cast Couplings – Straight and Reducing Transitions

442



Description: Cast Couplings

Application: To join plain end pipes with different O.D.s by changing followers and gaskets.

Key Features:

- Heavy cast Ductile Iron parts for long life
- Meets applicable AWWA C219 Standards
- Flanges and gaskets can be mixed and matched on the same size nominal sleeve
- Most couplings are stab fit, making installation a breeze. No disassembly is required
- Up to 2.4" of range with a single coupling, reducing the need for large coupling inventories
- One sleeve per nominal pipe size takes the guess work out of deciding which sleeve size to choose
- Flanges are color coded by pipe type: Red for standard pipe size O.D.; blue for ductile O.D.; and gray for Asbestos Cement O.D.
- Gaskets and flanges are permanently marked with a part number and range to facilitate proper selection
- Sleeves are available in a variety of lengths, and custom length Steel sleeves are available for special applications

Materials Specifications (subject to change):

SLEEVE: Ductile Iron ASTM A536. Ends have smooth inside taper for uniform gasket seating

GASKET: Nitrile (Buna N) certified to NSF/ANSI 61-G. Compounded to produce superior storage and performance characteristics while resisting water, acids, alkalis, most (aliphatic) hydrocarbon fluids and other chemicals

FOLLOWER FLANGES: Ductile Iron ASTM A536. Designed for high strength to weight ratio

BOLTS & NUTS: High strength low alloy Steel bolts with heavy, semi-finished hexagon nuts to AWWA C219 (ANSI A21.11) (Stainless Steel Optional)

FINISH: Flexi-Coat® Fusion-Bonded Epoxy Finish

Working Pressure: Up to 250 PSI

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

Sizes (in inches): 2½, 4, 6, 8, 10, 12, 14, 16



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.



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Cast Straight and Transition

NOMINAL PIPE SIZE INCHES	CATALOG NUMBER END CODE	O.D.** END 1 INCHES	O.D.** END 2 INCHES	SLEEVE LENGTH INCHES	5/8" BOLT QUANTITY REQUIRED	OVERALL BOLT & LAYING LENGTH INCHES	APPROXIMATE SHIPPING WEIGHT LBS.
4	442-00000415- 442-00000450- 442-00000486- 442-00000510- 442-00000545- 442-04500415- 442-04860415-	4.00-4.15 4.22-4.50 4.46-4.86 4.80-5.10 5.11-5.45 4.22-4.50 4.46-4.86	4.00-4.15 4.22-4.50 4.46-4.86 4.80-5.10 5.11-5.45 4.00-4.15 4.00-4.15	7 -200	4	11	21.4
	442-05100415- 442-05100450- 442-05100486- 442-05450415- 442-05450450- 442-05450486- 442-05450510-	4.80-5.10 4.80-5.10 4.80-5.10 5.11-5.45 5.11-5.45 5.11-5.45 5.11-5.45	4.00-4.15 4.22-4.50 4.46-4.86 4.00-4.15 4.22-4.50 4.46-4.86 4.80-5.10	12 -400	4	15 1/2	34.0
6	442-00000615- 442-00000663- 442-00000696- 442-00000722- 442-00000765- 442-06630615- 442-06960615-	6.00-6.15 6.28-6.63 6.56-6.96 6.90-7.22 7.25-7.65 6.28-6.63 6.56-6.96	6.00-6.15 6.28-6.63 6.56-6.96 6.90-7.22 7.25-7.65 6.00-6.15 6.00-6.15	7	4	11	30.3
	442-07220615- 442-07220663- 442-07220696- 442-07650615- 442-07650663- 442-07650696- 442-07650722-	6.90-7.22 6.90-7.22 6.90-7.22 7.25-7.65 7.25-7.65 7.25-7.65 7.25-7.65	6.00-6.15 6.28-6.63 6.56-6.96 6.00-6.15 6.28-6.63 6.56-6.96 6.90-7.22	12 -400	4	15 1/2	47.1
8	442-00000800- 442-00000863- 442-00000911- 442-00000930- 442-00000945- 442-00000985-	8.00-8.16 8.40-8.63 8.54-9.11 9.05-9.30 9.05-9.45 9.46-9.85	8.00-8.16 8.40-8.63 8.54-9.11 9.05-9.30 9.05-9.45 9.46-9.85	7 -200	6	11	39.0
	442-08630800- 442-09110800- 442-09450800- 442-09450863- 442-09450911- 442-09850800- 442-09850863- 442-09850911- 442-09850945-	8.40-8.63 8.54-9.11 9.05-9.45 9.05-9.45 9.05-9.45 9.46-9.85 9.46-9.85 9.46-9.85 9.46-9.85	8.00-8.16 8.00-8.16 8.00-8.16 8.40-8.63 8.54-9.11 8.00-8.16 8.40-8.63 8.54-9.11 9.05-9.45	12 -400	6	15 1/2	70.2
10	442-00001000-400 442-00001075-400 442-00001160-400 442-00001188-400 442-00001220-400 442-10751000-400 442-11601000-400 442-11601075-400 442-11881000-400 442-11881075-400 442-11881160-400 442-11881188-400 442-12201000-400 442-12201075-400 442-12201160-400 442-12201188-400	10.00 10.50-10.75 11.10-11.60 11.65-11.88 11.90-12.20 10.50-10.75 11.10-11.60 11.10-11.60 11.65-11.88 11.65-11.88 11.65-11.88 11.65-11.88 11.90-12.20 11.90-12.20 11.90-12.20 11.90-12.20	10.00 10.00-10.75 11.10-11.60 11.65-11.88 11.90-12.20 10.00 10.00 10.50-10.75 10.00 10.50-10.75 11.10-11.60 11.10-11.60 11.65-11.88 10.00 10.50-10.75 11.10-11.60 11.65-11.88	12	6	17 1/2	77.5

Cast Straight and Transition, Continued

NOMINAL PIPE SIZE INCHES	CATALOG NUMBER END CODE	O.D.** END 1 INCHES	O.D.** END 2 INCHES	SLEEVE LENGTH INCHES	5/8" BOLT QUANTITY REQUIRED	OVERALL BOLT & LAYING LENGTH INCHES	APPROXIMATE SHIPPING WEIGHT LBS.
12	442-00001200-400	12.00	12.00	12	8	15 1/2	81.1
	442-00001275-400	12.50-12.75	12.50-12.75				
	442-00001350-400	13.20-13.50	13.20-13.50				
	442-00001375-400	13.51-13.75	13.51-13.75				
	442-00001420-400	13.90-14.20	13.90-14.20				
	442-00001440-400	14.21-14.40	14.21-14.40				
	442-12751200-400	12.50-12.75	12.00				
	442-13501200-400	13.20-13.50	12.00				
	442-13501275-400	13.20-13.50	12.50-12.75				
	442-13751200-400	13.51-13.75	12.00				
	442-13751275-400	13.51-13.75	12.50-12.75				
	442-13751350-400	13.51-13.75	13.20-13.50				
	442-14201200-400	13.90-14.20	12.00				
	442-14201275-400	13.90-14.20	12.50-12.75				
	442-14201350-400	13.90-14.20	13.20-13.50				
	442-14201375-400	13.90-14.20	13.51-13.75				
	442-14401200-400	14.21-14.40	12.00				
	442-14401275-400	14.21-14.40	12.50-12.75				
	442-14401350-400	14.21-14.40	13.20-13.50				
	442-14401375-400	14.21-14.40	13.51-13.75				
442-14401420-400	14.21-14.40	13.90-14.20					
14	442-00001550-400	15.30-15.50	15.30-15.50	12	8	15 1/2	105.0
	442-00001580-400	15.55-15.80	15.55-15.80				
	442-00001622-400	16.22-16.35	16.22-16.35				
	442-00001655-400	16.41-16.55	16.41-16.55				
	442-00001690-400	16.73-16.90	16.73-16.90				
	442-15801550-400	15.55-15.80	15.30-15.50				
	442-16221550-400	16.22-16.35	15.30-15.50				
	442-16221580-400	16.22-16.35	15.55-15.80				
	442-16551550-400	16.41-16.55	15.30-15.50				
	442-16551580-400	16.41-16.55	15.55-15.80				
	442-16551622-400	16.41-16.55	16.22-16.35				
	442-16901550-400	16.73-16.90	15.30-15.50				
	442-16901580-400	16.73-16.90	15.55-15.80				
	442-16901622-400	16.73-16.90	16.22-16.35				
442-16901655-400	16.73-16.90	16.41-16.55					
16	442-00001780-400	17.40-17.80	17.40-17.80	12	10	15 1/2	126.3
	442-00001890-400	18.46-18.90	18.46-18.90				
	442-00001920-400	18.90-19.20	18.90-19.20				
	442-18901780-400	18.46-18.90	17.40-17.80				
	442-19201780-400	18.90-19.20	17.40-17.80				
	442-19201890-400	18.90-19.20	18.46-18.90				