

Installation Instructions

½" – 12" E-Series Seal Only Couplings for Steel or Cast Iron Pipe

STEP 1

Inspect the shipment received to ensure no damage has occurred during transit or storage and no hardware is missing. Ensure the coupling is the proper type and size for the installation prior to beginning.

STEP 2

Clean the pipe ends thoroughly, particularly in the area where the gaskets will seat. Remove any scale, dirt, or debris that could affect the gaskets seal.

STEP 3

Lubricate the pipe and gaskets with a non-detergent soap solution. Ensure the lubricant does not freeze.

STEP 4

Fully stab the coupling onto one pipe end then slide it over the other pipe end and center it between the two pipes. If necessary, partially disassemble the coupling. If insulating, the insulating end is marked.

STEP 5

While supporting the coupling, evenly tighten the nuts to the recommended torque values below.

DO NOT BACKFILL until the bolts are fully torqued.

BOLT SIZE	TORQUE VALUE*
1/2"	30 – 45 ft-lbs
5/8"	80 – 100 ft-lbs

Use of a calibrated torque wrench is recommended

**The torque requirements above are only intended to provide an effective seal between the saddle gasket and the pipe. The saddle assembly is not designed to provide structural rigidity for connections, equipment, or any alternate use of the saddle assembly.*

PRESSURE RATINGS			
IPS Steel Straight		IPS Steel Reducing	
½" – 1 ½"	150 psi	¾" to ½" – 2" to 1 ¼"	150 psi
2" – 12"	400 psi	3" to 2" – 12" to 10"	400 psi
Cast Iron Pipe			
All Couplings		60 psi	



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

Installation Instructions

2" – 12" EB Seal Only Line Cap Couplings for Steel or Cast Iron Pipe

STEP 1

Inspect the shipment received to ensure no damage has occurred during transit or storage and no hardware is missing. Ensure the coupling is the proper type and size for the installation prior to beginning.

STEP 2

Clean the pipe ends thoroughly, particularly in the area where the gaskets will seat. Remove any scale, dirt, or debris that could affect the gaskets seal.

STEP 3

Lubricate the pipe and gaskets with a non-detergent soap solution. Ensure the lubricant does not freeze.

STEP 4

Fully stab the coupling onto the pipe end then back it off one inch. If necessary, partially disassemble the coupling.

STEP 5

While supporting the coupling, evenly tighten the nuts to the recommended torque values below.

DO NOT BACKFILL until bolts are fully torqued.

BOLT SIZE	TORQUE VALUE*
1/2"	30 - 45 ft-lbs
5/8"	80 - 100 ft-lbs

Use of a calibrated torque wrench is recommended

**The torque requirements above are only intended to provide an effective seal between the saddle gasket and the pipe. The saddle assembly is not designed to provide structural rigidity for connections, equipment, or any alternate use of the saddle assembly.*

PRESSURE RATINGS			
IPS Steel		Cast Iron	
2" – 12"	400 psi	All sizes	60 psi



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

WARRANTY

Smith-Blair, Inc. warrants its products to be free of defects in materials and workmanship for a period of one (1) year from the date of shipment by Smith-Blair, Inc. (the "Warranty Period"). Dated proof of purchase, such as a bill of sale, is required to establish warranty eligibility. If a product fails to perform due to a defect in materials or workmanship during the Warranty Period, Smith-Blair, Inc. will repair or, at Smith Blair, Inc.'s option, replace the product with the same or comparable item. In the event that the product cannot be repaired and a suitable replacement item is not available, Smith-Blair, Inc. will refund the original purchase price shown on the proof of purchase. In all cases, the customer is responsible for returning the allegedly defective product to the factory or warehouse designated by Smith-Blair, Inc.

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CORROSION & PRODUCT SELECTION NOTICE

Metal products are subject to corrosion, particularly when used outdoors and/or underground. A large number of factors and local conditions affect the rate of corrosion. Consult a local corrosion expert to determine the life expectancy of this product when used with your pipeline content, soil, and environment. Also, consult your system designer to determine the suitability of this product in your piping system. Failure to determine the suitability of this product in your application, soil, and/or environment can result in premature product failure. Smith-Blair will provide additional information about this product's material specifications at your request. You may also obtain product information at www.smith-blair.com.

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