



Installation Instructions

Type 452

Straight and Reducing Couplings

STEP 1

Thoroughly clean the pipe, removing dirt, rust, oil and scale at least one coupling length from ends.

STEP 2

Lubricate gaskets and pipes with suitable lubricant.

STEP 3

By stab or partial disassembly, slide coupling onto pipe and center coupling over pipe ends. **NOTE:** Pipe stiffeners are required when using this product with polyethylene (P.E.) pipe.

STEP 4

Gradually, tighten nuts evenly to torque values seen in the recommended bolt torque table.

Recommended Bolt Torque	
1/2" bolts	30-35 ft.lb.
5/8" bolts	60-70 ft. lb.

Pressure Ratings
1/2" to 2" -- 150 PSIG
2" to 12" -- 400 PSIG
<u>ALL COUPLINGS FOR CAST IRON PIPE 60 PSI</u>



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.



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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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