

# Installation Instructions

## 525

### Compression Coupling

**STEP 1**

Clean pipe thoroughly in the area where the gaskets will seat. For future use, place a reference mark on the pipe a minimum of 3" from the end to ensure that the coupling is properly centered over the opening between the pipe ends.

**NOTE:**

On conductive type compression couplings (protected gaskets) the pipe should be cleaned to bare metal to ensure electrical conductivity.

**STEP 2**

Loosen compression nuts until gaskets are free.

**STEP 3**

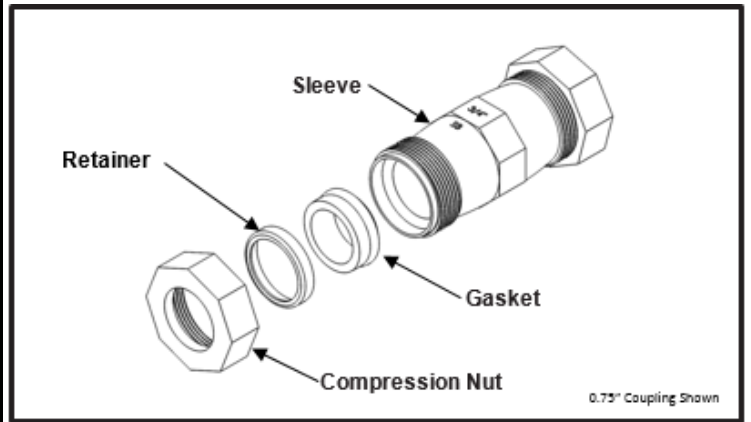
Lubricate the pipe ends and gaskets with an approved pipe lubricant conforming to requirements of AWWA-C111/ANSI-A21.11.

**STEP 4**

Stab pipe ends into coupling, noting the reference mark for proper centering on the pipe. Pipe ends must be a minimum of 1/2" past the tip of the gasket to provide an adequate seal. A gap of 1/4" between pipe ends is recommended.

**STEP 5**

Tighten nuts sufficiently to prevent leakage. SEE TABLE for recommended torque and wrench sizes. When tightening, nuts must always be rotated. **DO NOT ROTATE SLEEVE** while tightening the compression nuts.



Nominal Pipe Size (in)	Foot Pounds Torque	Wrench Size
1/2"	70	14"
3/4"	85	18"
1"	100	18"
1-1/4"	120	24"
1-1/2"	130	24"
2"	140	24"
Torque (ft-lb.) = $\frac{(\text{wrench length in inches})(\text{force on end of wrench})}{12}$		
Example: 140 ft-lb. = $\frac{(24\text{''wrench})(70\text{lb})}{12}$		



**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, or death. Refer to [smith-blair.com](http://smith-blair.com) for products designed to restrain axial pipe movement. 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](http://www.smith-blair.com).

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