

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 each 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

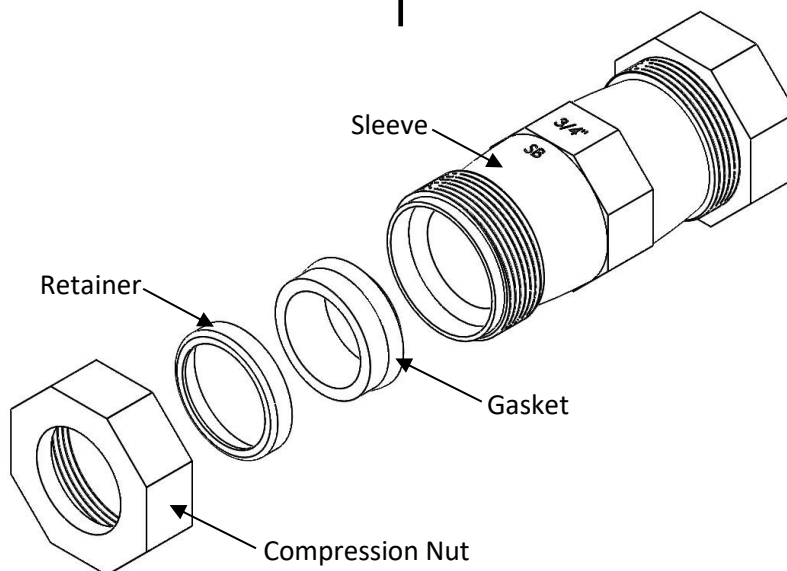
Lubricate the pipe surface and gasket(s) using a soap and water solution (anti-freeze may be required). All lubricant solutions should meet the requirements of the water and pipe supplier.

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)	Torque (ft-lb)	Wrench Length
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 = $\frac{(24")(70\text{lb})(1\text{ft})}{12}$		

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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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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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