



Smith-Blair
a xylem brand

Installation Instructions

274

Bell Joint Leak Clamp 2" – 14" Sizes

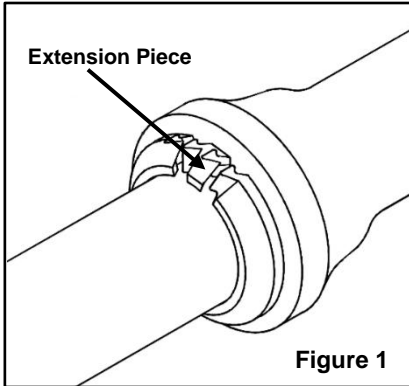


Figure 1

STEP 1

Inspect the shipment received to ensure no damage has occurred during transit or storage and that no hardware is missing. Ensure the received bell joint leak clamp is the correct size for the installation prior to beginning.

STEP 2

Clean pipe joint thoroughly on back of bell, on bell face and on spigot where gasket will seat. Be sure to remove any scale, dirt, or debris that could affect the gasket seal.

STEP 3

Inspect the joint. For caulked joint installations, caulking should be flush with bell face as far as practical. Caulking should not extend beyond bell face. If recessed more than 1/8", it should be faced up with a suitable material. Keep excess material off the spigot and bell face.

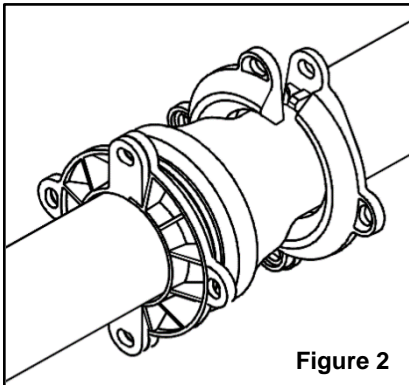


Figure 2

STEP 4

For 2"-12" sizes, wrap gasket around pipe with beveled side facing away from bell face and connect ends. Gasket is provided with a Kee-Lok™ extension piece which is only to be used on larger diameter Class C-D pipe. (See Figure 1).

For 14" size, wrap gasket around pipe with beveled side facing away from bell face. Carefully trim any extra gasket length with a sharp knife, being sure to maintain the bias cut angle. The gasket can be held in place by stapling the two ends together using a common office stapler.

STEP 5

For 2"-12" sizes, assemble Spigot Ring and Bell Ring onto pipe by interlocking the flange halves. (See Figure 2)

For 14" size, connect flange halves by installing cap screws in the side flanges. Tighten screws.

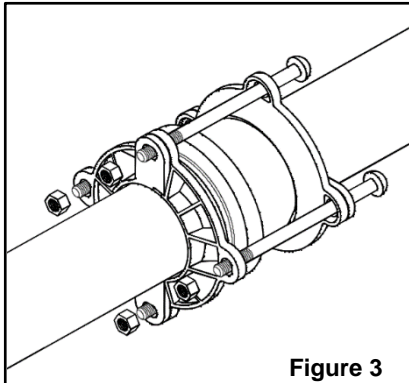


Figure 3

STEP 6

Install bolts and nuts hand tight being sure that all components are in alignment. Nuts should be located on spigot end. (See Figure 3)

STEP 7

Tighten nuts progressively and uniformly to recommended torque value below.

NUT SIZE	TORQUE VALUE
5/8"	60-70 FT. LBS.

*Use of a calibrated torque wrench is recommended!
(Figure 4)*

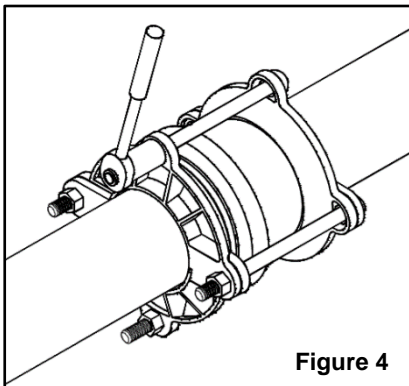


Figure 4

STEP 8

Check for leakage and recheck bolts for proper torque prior to backfilling. If possible, nuts should be checked for tightness 12-24 hours after initial tightening.

See Reverse Side for Detailed Cut-Away View and Warnings

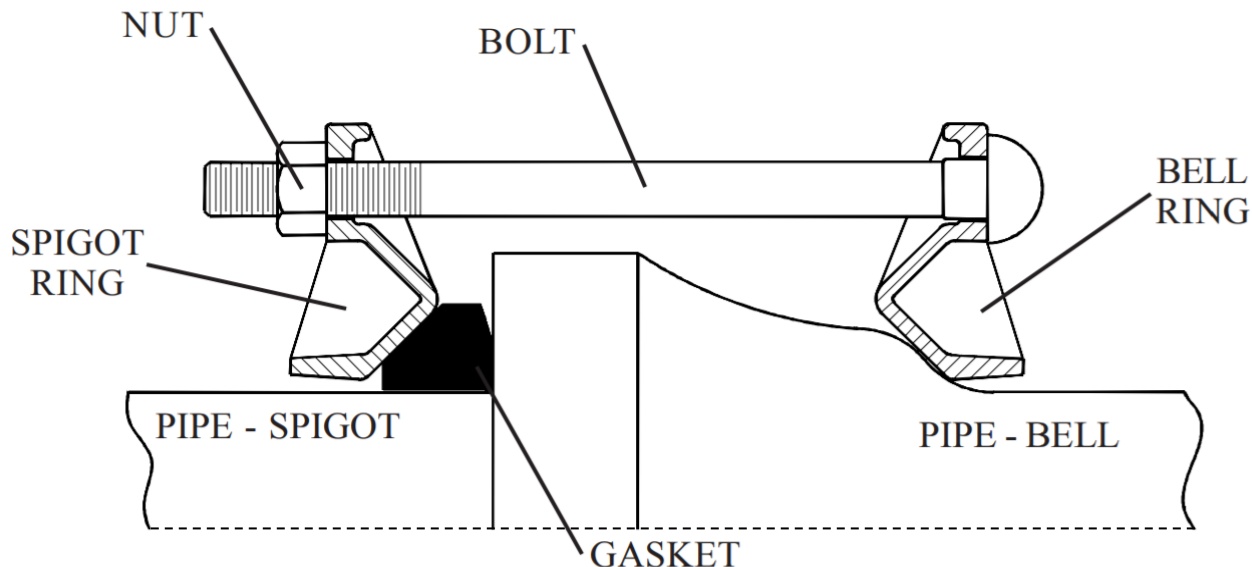


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THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pull out. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, and/or death. Read the product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

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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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