



Smith-Blair
a xylem brand

Installation Instructions

274

Fabricated Model Bell Joint Leak Clamp with Plate Flanges

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.

Note: Prior to disassembly, note all orientation marks on flanges and how flanges halves are assembled for reassembly.

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.

STEP 4

Wrap the gasket around the pipe with the beveled side facing away from the bell face as shown below.

STEP 5

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 6

Assemble flange halves opposite of Step 1 disassembly on each side of the bell with the beveled gasket-sealing surface facing the bell as shown below. Be sure to align any orientation marks as noted in Step 1.

STEP 7

Install studs and nuts hand tight being sure that all components are in alignment. Tighten nuts progressively and uniformly to suppress the leak.

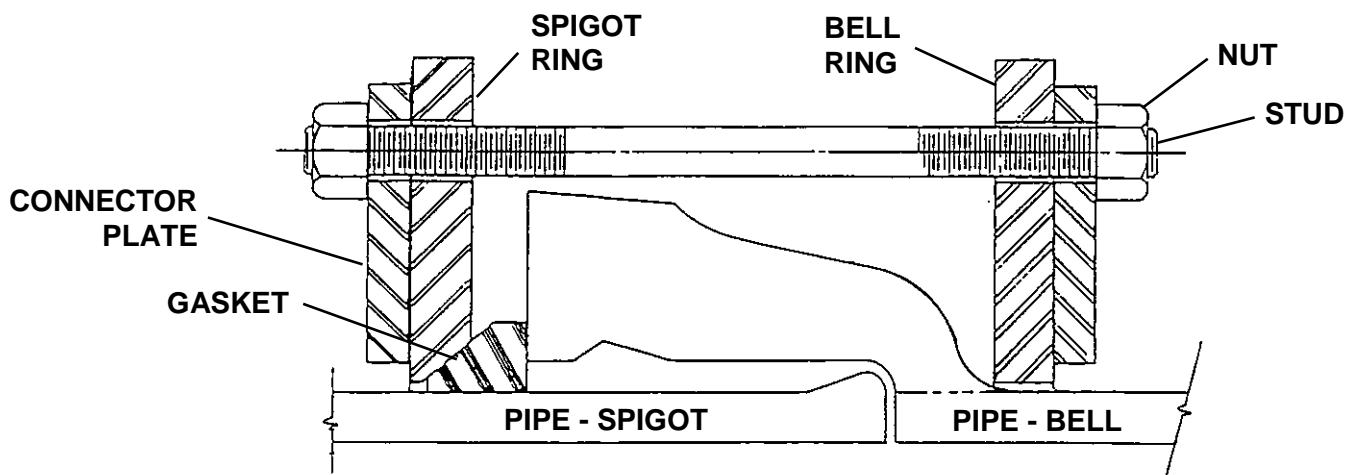
Note: DO NOT exceed maximum torque values to the right.

| NUT SIZE | MAX TORQUE VALUE |
|----------|------------------|
| 5/8" | 70 FT. LBS. |
| 3/4" | 90 FT. LBS. |
| 1" | 120 FT. LBS. |

Use of a calibrated torque wrench is recommended!

STEP 7

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.

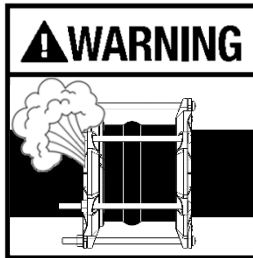


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THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pull out. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, and/or death. Read the product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

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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04/18

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.

04/18