



Smith-Blair
a xylem brand

Installation Instructions

371, 372, & 377

All Stainless Steel Service Saddle

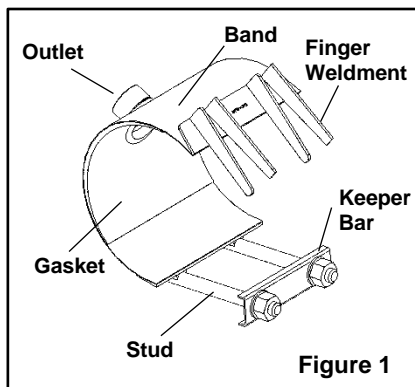


Figure 1

STEP 1

Inspect the shipment received to ensure no damage has occurred during transit and that no hardware is missing. Ensure the received saddle is the proper type, tap size, and correct pipe size range for the installation prior to beginning.

STEP 2

Clean pipe surface thoroughly, particularly in area where gasket will seat. Be sure to remove any scale, dirt, or debris that could affect the gasket seal.

STEP 3

Loosen nuts so that they are flush with the top of stud(s). Disengage keeper bar from finger weldment and open the saddle enough to install on pipe (See Figure 1)

STEP 4

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.

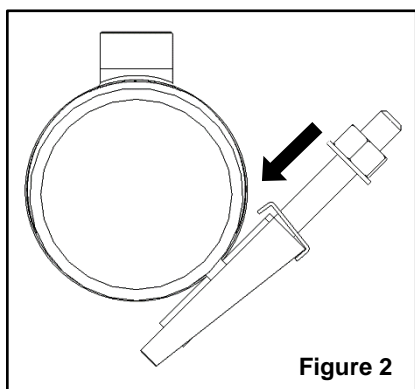


Figure 2

STEP 5

Place saddle around pipe with outlet in the desired position. Mesh the lug fingers and studs together by pulling the keeper bar upward and snap the lip over the finger weldment base. Care should be taken to mount saddle as close to final tap position as possible. (See Figure 2)

STEP 6

Tighten nuts progressively and uniformly to recommended torque value below **DO NOT OVER TORQUE**. Over torquing will not increase sealing ability and may cause failure in the pipe or saddle

NUT SIZE	TORQUE VALUE*
5/8"	50 to 70 ft-lb

Use of a calibrated torque wrench is recommended!

**The torque requirements above are only intended to provide an effective seal between the saddle gasket and the pipe. The saddle assembly is not designed to provide structural rigidity for connections equipment, or any alternate use of the saddle assembly.*

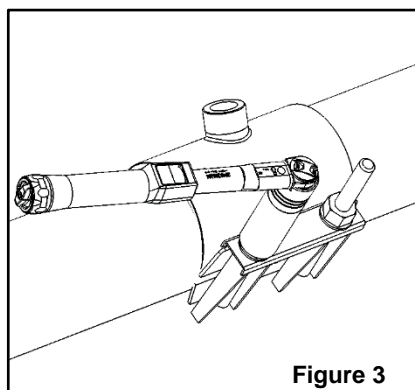


Figure 3

STEP 7

Make connection to the saddle boss. Use a good quality pipe thread compound that is both a lubricant and sealant (also called pipe dope, paste, etc.). Do not use tape type products! Use a thread compound that meets the requirements of the water supplier. Care should be taken not to cross thread or twist/rock the saddle body while making the connection. Pressure testing for leaks prior to making the tap is recommended.

See other side for POLYETHYLENE pipe installation instructions.



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INSTALLATION INSTRUCTIONS FOR POLYETHYLENE PIPE (P.E.) PIPE

SMITH-BLAIR Spring Washers – PN 150115-002 Must Be Used on P.E. Pipe Installations.
Use of Any Other Type Spring Washer May Cause Product Failure

STEP 1

Inspect the shipment received to ensure no damage has occurred during transit and that no hardware is missing. Ensure the received saddle is the proper type, tap size, and correct pipe size range for the installation prior to beginning.

STEP 2

Clean pipe surface thoroughly, particularly in area where gasket will seat. Be sure to remove any scale, dirt, or debris that could affect the gasket seal.

STEP 3

Loosen nuts so that they are flush with the top of stud(s). Disengage keeper bar from finger weldment and open the saddle enough to install on pipe (See Figure 1 – other side)

STEP 4

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 5

Place saddle around pipe with outlet in the desired position. Mesh the lug fingers and studs together by pulling the keeper bar upward and snap the lip over the finger weldment base. Care should be taken to mount saddle as close to final tap position as possible. (See Figure 2 – other side)

STEP 6

Ensure spring washers are positioned correctly (See Figure 4). Do not remove flat washer(s).

STEP 7

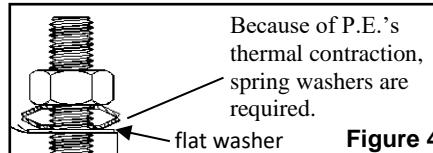
Tighten nuts progressively and uniformly to recommended torque value below. **DO NOT OVER TORQUE.** Over torquing will not increase sealing ability and may cause failure in the pipe or saddle.

NUT SIZE	TORQUE VALUE*
5/8"	50 to 70 ft-lb

Use of a calibrated torque wrench is recommended!

STEP 8

Make connection to the saddle boss. Use a good quality pipe thread compound that is both a lubricant and sealant (also called pipe dope, paste, etc.). Do not use tape type products! Use a thread compound that meets the requirements of the water supplier. Care should be taken not to cross thread or twist/rock the saddle body while making the connection. Pressure testing for leaks prior to making the tan is recommended.



NOTE:

Use of this product on POLYETHYLENE PIPE is limited to the following:

1. 4" – 12" Nominal P.E. Pipe with a standard dimension ratio (DR) of 17 or less.

See other side for DUCTILE/STEEL/PVC pipe installation instructions.

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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