

Installation Instructions

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Ductile Iron Service Saddle with Wide Stainless Strap

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

Check gasket for proper positioning in saddle body. *The gasket may not be secure all around with adhesive as it is only applied to ease installation.*

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

Mount saddle body (with gasket in place) on pipe. Care should be taken to mount saddle body as close to final tap position as possible.

STEP 6

Install saddle strap, nuts, and washers.

STEP 7

Prior to tightening, check the position of the saddle body to ensure correct location on pipe. *Moving or rolling the saddle body while on the pipe is not recommended and may cause damage to the gasket resulting in product failure.*

NOTE:

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

1. 4.50" – 12.75" Steel O.D. PVC Pipe with a standard dimension ratio (DR) of 26 or less.
2. 4.80" – 13.20" Cast/Ductile Iron O.D. C-900 PVC Pipe Class 150 rating or better (DR18).

Do not use on fiberglass reinforced plastic pipe, plastic irrigation pipe, or plastic pipe other than sizes and types mentioned above. See other side for POLYETHYLENE pipe installation instructions.

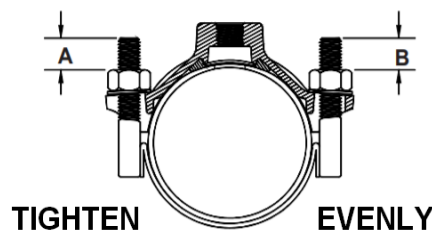
STEP 8

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. Bolt length A & B must be kept equal. See below.

NUT SIZE	TORQUE VALUE*
ALL	40 ft-lb MAX

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.*



STEP 9

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.

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.

THIS LIMITED WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHER WARRANTY OF QUALITY, OR THOSE ARISING FROM A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY STATEMENT ARE THE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES. IN NO EVENT SHALL SMITH-BLAIR, INC. BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY, AND WHETHER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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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

Check gasket for proper positioning in saddle body. *The gasket may not be secure all around with adhesive as it is only applied to ease installation.*

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

Mount saddle body (with gasket in place) on pipe. Care should be taken to mount saddle body as close to final tap position as possible.

STEP 6

Install saddle strap, nuts, and washers. Place spring washers under nuts as shown on right. Do not remove flat washers.

STEP 7

Prior to tightening, check the position of the saddle body to ensure correct location on pipe. Moving or rolling the saddle body while on the pipe is not recommended and may cause damage to the gasket resulting in product failure.

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.

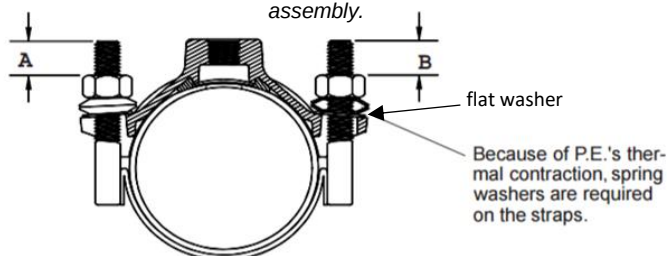
STEP 8

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. Bolt length A & B must be kept equal. See below.

NUT SIZE	TORQUE VALUE*
ALL	40 ft-lb MAX

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.*



STEP 9

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.

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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