

Installation Instructions

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Service Saddle for Large Diameter Pipe

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 the "O" Ring will seat. Be sure to remove any scale, dirt, or debris that could affect the gasket seal.

STEP 3

Check "O Ring in the tapped boss to make sure it is clean and in the proper position. *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. Place the tapped boss in position in the saddle body.

STEP 5

Mount saddle body over the tapped boss on pipe. Care should be taken to mount saddle body and tapped boss as close to final tap position as possible.

STEP 6

Install saddle straps, around the pipe and engage the hemispherical washers, flat washers, and nuts in the hemispherical slots in the saddle body.

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.

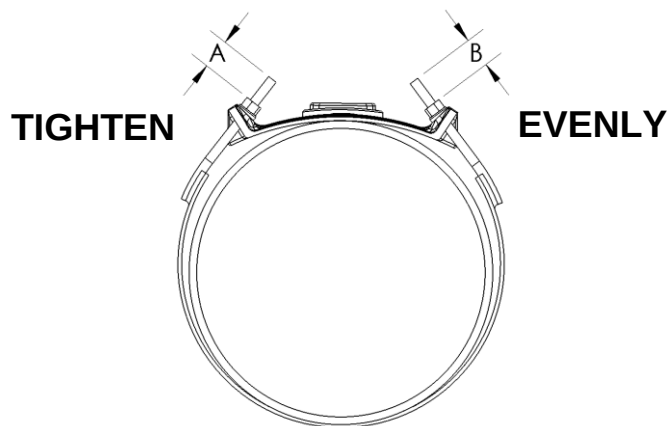
STEP 8

Tighten nuts progressively and uniformly to recommended torque values below. **DO NOT OVER TORQUE.** Bolt length A & B must be kept equal. See below.

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



STEP 9

Make connection to 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.



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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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