



Installation Instructions

267 V-Lug Style Repair Clamps

See Reverse for 268 Finger Lug Style Clamps

STEP 1

Visually inspect your Smith-Blair Clamp prior to installation to ensure that no damage has occurred during shipment or storage.

STEP 2

Check pipe outside diameter where clamp will be installed to ensure that the correct range clamp is being installed. Thoroughly clean pipe surface so that it is smooth and free of dirt, corrosion, and/or other debris that may impair gasket seal.

STEP 3

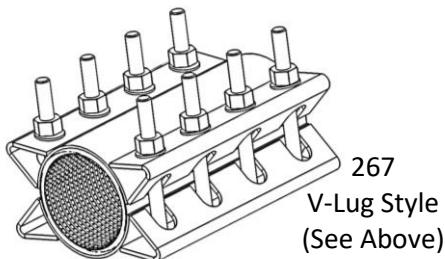
Disassemble nuts and washers and remove bottom half of clamp. Note: If a multi-piece clamp is to be installed, assemble the lower segments with a 1-1/2" gap between the lug bars. This lower assembly can now be treated as one piece and assembled similar to the two-piece design.

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/gas and pipe supplier.

STEP 5

Mount top half on pipe in the position required for permanent installation. Extra caution should be taken to ensure that the clamp is mounted in the proper direction if outlet is present. Do not rotate clamp top section after it is positioned on pipe, this may cause the gasket to roll up in the clamp and prevent proper sealing.



STEP 6

Install bottom half of the clamp, tucking gasket flaps in place to ensure they are flat and smooth against the pipe surface. Install bolts, washers, and nuts. If present, nylon washers are to be installed atop metal washers.

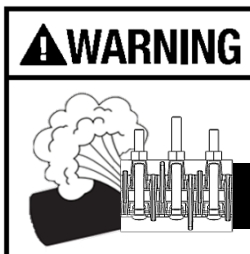
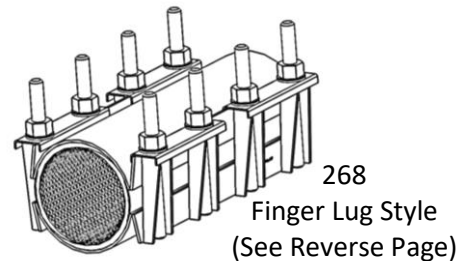
STEP 7

Tighten nuts starting from the center outward, alternating from one side to the other to equalize the gap between the halves. Continue to tighten nuts until clamp halves conform to the contour of the pipe and all nuts are to a uniform tightness. Recommended torque values are listed below. **NOTE:** Use of a calibrated torque wrench is recommended!

Recommended Torque Values	
Bolt Size	Torque
5/8"	50-60 ft-lb
3/4"	90-100 ft-lb
1"	110-120 ft-lb
Do not exceed recommended torque	

STEP 8

Check tightness and re-torque as needed. If possible, check torque 12-24 hours after initial install.
****Failure to evenly tighten nuts on both the top and bottom of the clamp may result in failure, be sure to fully tighten ALL nuts to Recommended Torque****



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.

SEE SHEET 2 FOR WARRANTY AND NOTICES



Installation Instructions

268 Finger Lug Style Repair Clamps

See Reverse for 267 V-Lug Style Clamps

STEP 1

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STEP 2

Check pipe outside diameter where clamp will be installed to ensure that the correct range clamp is being installed. Thoroughly clean pipe surface so that it is smooth and free of dirt, corrosion, and/or other debris that may impair gasket seal.

STEP 3

Disassemble nuts and washers and remove bottom half of clamp. Note: If a multi-piece clamp is to be installed, assemble the lower segments with a 1-1/2" gap between the lug bars. This lower assembly can now be treated as one piece and assembled similar to the two-piece design.

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/gas and pipe supplier.

STEP 5

Mount top half on pipe in the position required for permanent installation. Extra caution should be taken to ensure that the clamp is mounted in the proper direction if outlet is present. Do not rotate clamp top section after it is positioned on pipe, this may cause the gasket to roll up in the clamp and prevent proper sealing

STEP 6

Install bottom half of the clamp, tucking gasket flaps in place to ensure they are flat and smooth against the pipe surface. Mesh lug fingers and studs. Install keeper bars, washers, and nuts on studs. Nylon washers are to be installed atop metal washers.

STEP 7

Tighten nuts starting from the center outward, alternating from one side to the other, to equalize the gap between the halves. Continue to tighten nuts until clamp halves conform to the contour of the pipe and all nuts are to a uniform tightness. Recommended torque is listed below.

NOTE: Use of a calibrated torque wrench is recommended!

Recommended Torque
90 ft-lb
Do not exceed recommended torque

STEP 8

Check tightness and re-torque as needed. If possible, check torque 12-24 hours after initial install.

****Failure to evenly tighten nuts on both the top and bottom of the clamp may result in failure, be sure to fully tighten ALL nuts to Recommended Torque****

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.

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