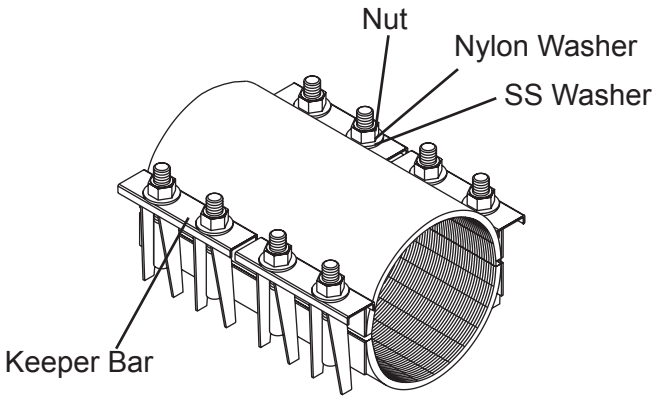
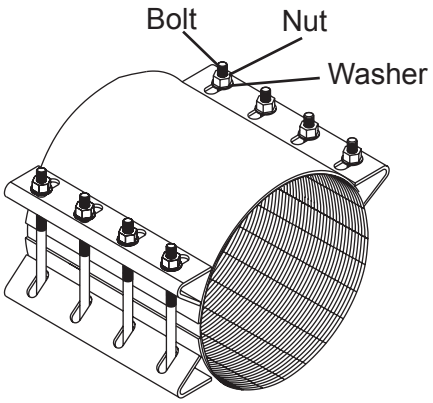
Installation Instructions
Type 267 & 268 Finger Lug Style Repair Clamp
Type 267 & 268 V-Lug Style Repair Clamp



Finger Lug Style
See Page 1



V-Lug Style
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FOR FINGER LUG STYLE REPAIR 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, washers, keeper bars, 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 pipe and gasket with soap solution or suitable lubricant. Antifreeze should be added in freezing weather.

Step 5
Mount top half on pipe in the position required for permanent installation. Extra caution should be made at this stage of installation to insure that the clamp is mounted on the pipe in a direct "head-on" direction. 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.

Note: Nylon washers should be placed in between the nut and flat washer.

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. The required torque will be 90 ft. lbs. A torque wrench is recommended. Note: If a three-piece clamp is being installed alternate between all three sets of nuts equally.

Step 8
Check nuts for tightness and retorque to 90 ft.-lbs. if required. If possible, nuts should be checked for tightness 12-24 hours after initial tightening.

CAUTION

Failure to evenly tighten all nuts to the required torque may result in failure of the clamp. The clamp will not function properly if the nuts on only the topside of the clamp are tightened! Make sure the nuts on the bottom of the clamp are tightened to the proper torque!

Installation Instructions
Type 267 & 268 Finger Lug Style Repair Clamp
Type 267 & 268 V-Lug Style Repair Clamp

FOR V-LUG STYLE REPAIR 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 pipe and gasket with soap solution or suitable lubricant. Antifreeze should be added in freezing weather.

Step 5
Mount top half on pipe in the position required for permanent installation. Extra caution should be made at this stage of installation to ensure that the clamp is mounted on the pipe in a direct "head-on" direction. 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. Install bolts, washers, and nuts.

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. The final torque is listed in Table 1. A torque wrench is recommended.

Step 8
Check nuts for tightness and retorque if required. If possible, nuts should be checked for tightness 12-24 hours after initial tightening.

Table 1 Nut Torque	
50-60 ft-lbs.	5/8" Bolts
90-100 ft-lbs.	3/4" Bolts
100-120 ft-lbs.	1" Bolts

CAUTION

Failure to evenly tighten all nuts to the required torque may result in failure of the clamp. The clamp will not function properly if the nuts on only the topside of the clamp are tightened! Make sure the nuts on the bottom of the clamp are tightened to the proper torque!

WARRANTY

Smith-Blair® warrants its products only against defects in materials and workmanship. Smith-Blair®'s liability and customer's exclusive remedy under this warranty or any warranty extends for a period of one (1) year from the date of Smith-Blair®'s ship date and is expressly limited to repayment of the purchase price, repair, or replacement, at Smith-Blair®'s option, during said period, upon proof satisfactory to Smith-Blair® and upon customer's returning and prepaying all charges on such products to factory or warehouse designated by Smith-Blair®.

This warranty is made expressly in lieu of all other warranties, expressed, implied or statutory, with respect to quality, merchantability or fitness for a particular purpose.

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WARNING

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®, Inc. 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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