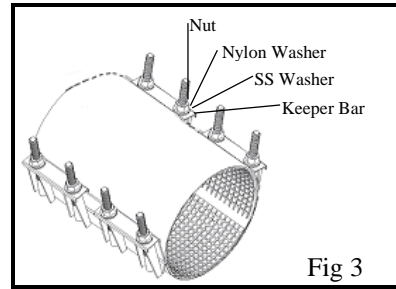
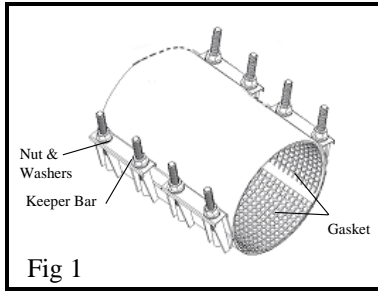
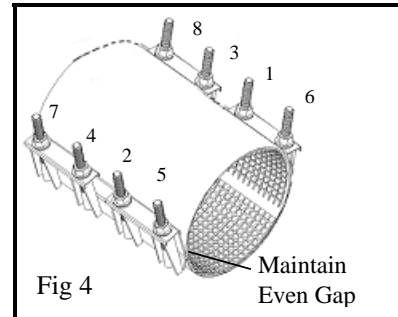
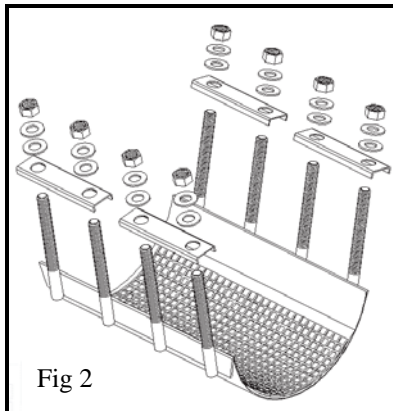


TYPE 267 and 268 CLAMP – FINGER LUG STYLE
INSTALLATION INSTRUCTIONS



1. Visually inspect your Smith-Blair Clamp prior to installation to ensure that no damage has occurred during shipment or storage.
2. Check pipe outside diameter where clamp will be installed to insure that the correct range clamp is being installed.
3. Thoroughly clean pipe surface so that it is smooth and free of dirt, corrosion and/or other debris that may impair gasket seal.

7. Install bottom half of the clamp (See Figure 3), tucking gasket flaps in place to insure they are flat and smooth against the pipe surface. Do not rotate clamp, this may cause the gasket to roll up in the clamp and prevent proper sealing. 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.



4. Disassemble nuts, washers, keeper bars, and remove bottom half of clamp. (See Fig 2)
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.
5. Lubricate pipe and gasket with soap solution. Antifreeze should be added in freezing weather.
6. Mount top half on pipe in the position required for permanent installation. Extra precaution 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.

8. Tighten bolts starting from the center outward (See Figure 4), alternating from one side to the other, to equalize the gap between the halves. Continue to tighten bolts until clamp halves conform to the contour of the pipe and all bolts are to a uniform tightness. The required torque will be 90 ft. lbs.
Note: If a three-piece clamp is being installed alternate between all three sets of nuts equally.
9. Check nuts for tightness and re-torque to 90 ft.-lbs. if required. If possible, nuts should be checked for tightness 12-24 hours after initial tightening.

<p>CAUTION</p> <p>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!</p>
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TYPE 267 and 268 CLAMP – V-LUG STYLE INSTALLATION INSTRUCTIONS

1. Visually inspect your Smith-Blair Clamp prior to installation to ensure that no damage has occurred during shipment or storage.
2. Check pipe outside diameter where clamp will be installed to insure that the correct range clamp is being installed.
3. Thoroughly clean pipe surface so that it is smooth and free of dirt, corrosion and/or other debris that may impair gasket seal.
4. Disassemble nuts, washers, bolts, 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.
5. Lubricate pipe and gasket with soap solution. Antifreeze should be added in freezing weather.
6. Mount top half on pipe in the position required for permanent installation. Extra precaution 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.
7. Install bottom half of the clamp. Do not rotate clamp, this may cause the gasket to roll up in the clamp and prevent proper sealing. Install bolts, washers and nuts.
Note: If nylon washers are furnished with the hardware they should be placed in between the nut and flat washer.

8. Tighten nuts starting from the inside 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 bolts are to a uniform tightness. The final torque is listed in Table 1.
9. Check nuts for tightness and re-torque if required. If possible, nuts should be checked for tightness 12-24 hours after initial tightening.

TABLE 1 Nut Torque
50-60 ft-lbs for 5/8" Bolts
90-100 ft-lbs for 3/4" Bolts
100-120 ft-lbs for 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 top side of the clamp are tightened! Make sure the nuts on the bottom of the clamp are tightened to the proper torque!