

MODEL 3121AS, 3131AS, 3121AS-LW, 3122AS, 3132AS, 3123AS

Quality Control Department SAFETY FIRST - Always use cave-in protection, gloves, sturdy work boots, and eye protection when tapping pipe.



GENERAL NOTES:

- Use cave-in protection during excavation and back-fill operations.
- Verify Pipe O.D. to make certain that the correct Repair Clamp is being installed.
- Keep bolt threads clean and free from nicks, dents or other damage.
- If conditions permit, mark the pipe for a reference point to properly position the clamp.
- Lubrication of the gasket with a soap solution reduces friction and more evenly distributes clamping force. For cold weather lubrication, ethylene glycol can be added to the soap solution to prevent freezing.
- Before start, the installer shall determine the suitability of the product for his intended use and the installer assumes all risk and liability for the application of the product.

OTHER INFO:

- **FOR SS BOLTS:** To avoid galling during installation, the threads **MUST BE KEPT CLEAN AND FREE FROM DAMAGE**. The fitting should not be thrown around or otherwise be abused, i.e. stored on truck without box, dropped from top of ditch, etc. A deep socket and ratchet wrench is recommended.
- When a gap exist of one inch or more between the ends of the pipe, a small section of pipe or a rolled thin sheet of metal should be formed around the gap to provide support for the gasket and band.
- When a section of the pipe wall equating to 1/3 of the total area to be repaired a rolled thin sheet of metal should be formed over the missing area to provide support for gasket and band.

1



Thoroughly clean the pipe where the clamp will be installed.

2



Loosen nuts to the end of the stud, place the clamp around the pipe centered over the break or damage area with the gasket flap at the top.

3



Tuck the gasket flap in place, close the fingers studs, engage the centermost stud(s) and finger tighten. NOTE: The clamp can be assembled beside the break and slid over the damaged area if the pipe surface and gasket have been properly lubricated.

4



Rotate the clamp to flatten the tapered-end of the gasket, and position the bolts and nuts for convenient tightening. Check the reference mark (if used).

REPOSITIONING INSTRUCTIONS

If initial installation of the clamp does not satisfactorily seal the leak then repositioning may be necessary

Step 1: Loosen nuts until clamp moves freely on the pipe.

Step 2: Perform steps 3 through 5 again.

RECOMMENDED TORQUE

Bolt Diameter	Torque (ft-lb)
5/8"	70
3/4" HD	100

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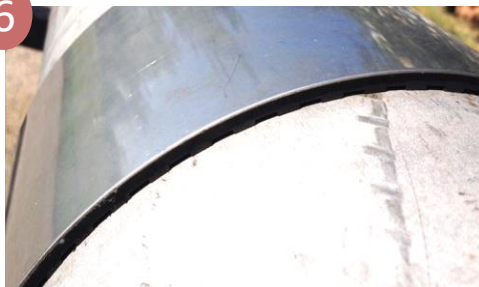


5



Evenly tighten the studs working from the center outward. Maintain an even gap between fingers studs when installing multi-panel repair clamps.

6



Allow the gasket to fully compress, and recheck the studs tightness. It is important to re-torque Tapped Repair Clamps when used as a "hot tap" saddle after the tap has been made.

PRE-INSTALL CHECKLIST:

DID YOU:

- Clean pipe surface thoroughly? [Y] [N]
- Check O.D. of pipe with measuring tape? [Y] [N]
- Lubricate the Pipe with Dishwashing Soap? [Y] [N]
- Verify Proper Torque Required? [Y] [N]

WARRANTY CHECKLIST (*):

- Date of Installation __/__/____
- Time of Installation _____ [AM] [PM]
- (PowerSeal recommends torqueing in 25 ft-lb increments)* Torque Applied: _____ ft-lbs
- Was standard re-torqueing applied 5 minutes after reaching torque requirements? [Y] [N]

• Signature of On-Site Lead man: _____

*** Must be completed on day of installation to Validate Warranty**