INSTALLATION SHEET - REPAIR CLAMPS

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

PowerSeal PIPELINE PRODUCTS CORPORATION

Quality Control Department SAFETY FIRST - Always use cave-in protection, gloves, sturdy works boot 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.
- There must be at minimum 3" of metal band and gasket beyond any damaged pipe area when installing a pipe repair clamp.

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 torque 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.

REPOSITIONING INSTRUCTIONS

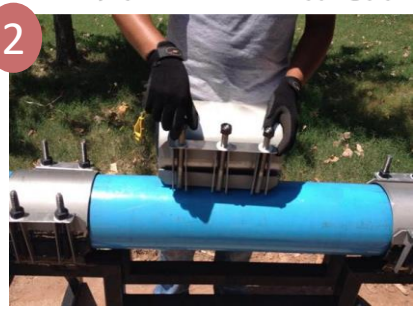
If initial installation of the clamp does not satisfactorily seal the leak, then repositioning may be necessary

Step 1: Loosen nuts until clamp moves freely on the pipe.
Step 2: Perform steps 3 through 5 again.

1

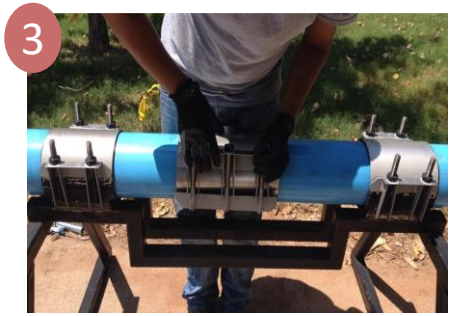
Thoroughly clean the pipe where the clamp will be installed.

2



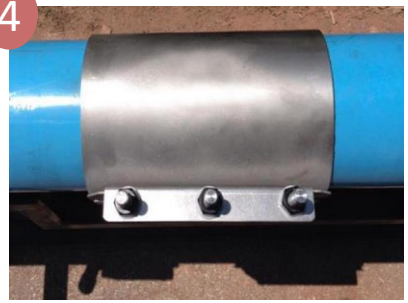
Loosen nuts to the end of the stud, place the clamp around the pipe centered over the break or damage area with the gasket flap at the top.

3



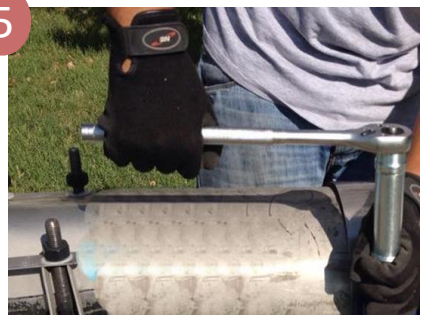
Tuck the gasket flap in place, close the fingers studs, engage the centermost stud(s) and finger tighten. NOTE: The clamp can be assembled beside the break and slid over the damaged area if the pipe surface and gasket have been properly lubricated.

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).

5



Evenly tighten the studs working from the center outward. Maintain an equal gap between the ends of all panels when installing multi-panel repair clamps.

RECOMMENDED TORQUE	
Bolt Diameter	**Torque (ft-lb)**
5/8"	70-100
3 /4"	100-120

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.