

MODEL 3501 - 3501LB - 3501EC -TRANSITION COUPLING

Quality Control Department SAFETY FIRST - Always use cave-in protection, gloves, sturdy works 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 Coupling 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 coupling.
- Clean and lubricate gaskets.
- 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.
- **WARNING:** this product does not restrain axial pipe movement.
- To prevent coupling movement position pipe stop between the pipes and firmly tighten.
- **NOTE:** Gaskets have a design allowance to fit a variety of outside diameters and may appear loose on some classes of pipe prior to tightening bolts.



1 Thoroughly clean the pipe surface, and inspect the area where the transition coupling will be installed for flaws, i.e., gouges, protrusions, excessive corrosion, etc. Irregular surfaces should be avoided to assure maximum gasket sealing.



2 Check the main outside diameter (OD) and confirm that it falls within the transition coupling pipe OD range. Place a reference mark on both pipe ends to ensure the coupling will be centered. There should be a minimum of 2" of pipe insertion per coupling end.



3 Lubricate pipe and gasket with soap/water solution and begin installation by placing one gland and one fully lubricated gasket over each pipe end.

RECOMMENDED TORQUE	
Bolt Diameter	Torque (ft-lb)
5/8"	50-70
3/4"	100



4 Position the center barrel over the pipe (position barrel within the two reference marks) and attach gasket & gland assembly at both ends of the center barrel.

Note: Maintain a recommended gap between pipe ends of 1/4" to 1/2" for 7" sleeve and 1/2" to 1 1/4" for 10" sleeve when centering coupling over pipes ends.



5 Install and evenly tighten bolts and nuts to recommended torque alternating between opposite sides of coupling as shown in the image.

* Deflection of up to 4° per side is allowed

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]
- Bring the proper equipment required to support the valve during the tap? [Y] [N]

WARRANTY CHECKLIST (*):

- Date of Installation __/__/__
- Time of Installation _____ [AM] [PM]
- Was Pre-Tap Pressure Test completed to appropriate pressure level? [Y] [N]
- What Pressure was it tested to? ____ psi
- (PowerSeal recommends torquing in 25 ft-lb increments) * Torque Applied: _____ ft-lbs
- Was standard re-torquing applied 5 minutes after reaching torque requirements? [Y] [N]
- Was an even gap between top and bottom shell maintained while torquing the nuts in sequence? [Y] [N]
- Was the Valve Supported During Installation? [Y] [N]

If so, with what was it supported by? _____

• Signature of On-Site Leadman: _____

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



Pressurize the line, check the leakage, and re-torque if necessary.

*Pressure test all joins before covering coupling.