

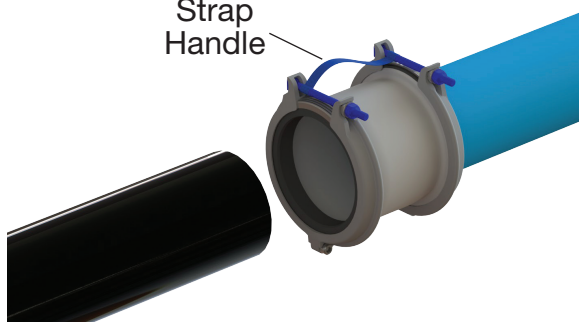


1696-2 BOLT COUPLING

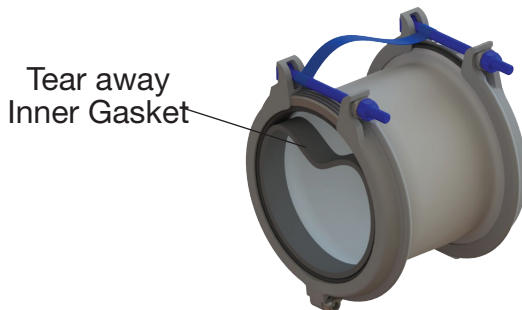
INSTALLATION GUIDE



Strap
Handle



Tear away
Inner Gasket



DISASSEMBLY IS NOT REQUIRED OR RECOMMENDED

1. Inspect coupling to ensure there has been no damage during transit.
2. Clean one foot from each pipe end and check to see that the pipe is free from defects (gouges, cracks or dents etc.).
3. Measure the outer diameter of each pipe where the coupling gasket will seal on the pipe.
4. The ROBAR 1696-2B couplings are fully assembled with the "Inner and Outer Gasket" installed in the coupling. If your pipe outside diameter falls within the "INNER Gasket Range" skip to step 3.

If the outside pipe diameter falls within the "Outer Gasket Range", you will need to pull out the inner gasket.
- 4a. If the inner gasket is removed by mistake, the gasket can be reinstalled by aligning the outer and inner gasket grooves and placing the inner gasket into place.
5. Lubricate the pipe where the coupling will sit and lubricate the gasket with a lubricant that is suitable for potable water.
6. With the coupling bolts at the 12 o'clock position, slide the coupling onto one pipe end. Move the other pipe into position and slide the coupling onto the other pipe. Ensure the two pipes are inserted into the coupling a minimum of 2.5 inches. Confirm that the pipe gap and any angular deflection or misalignment fall within the coupling tolerances and/or AWWA C219 recommendations.
7. Slide the blue nylon strap (handle) away from the nut.
8. Torque both bolts to 80 ft-lbs. (For the 4" coupling recommend torque is 45 ft-lbs). DO NOT LUBRICATE BOLTS.
9. Re-torque both bolts after 15 minutes to account for gasket settling.
10. Checks for leaks while pressurizing the line.

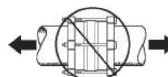
The 1696-2 Bolt Coupling Working Range

| Nominal Size | Overall Range | Inner Gasket Range | Outer Gasket Range | Maximum Pipe Gap | Maximum Total Misalignment |
|--------------|---------------|--------------------|--------------------|------------------|----------------------------|
| 4" | 4.46 – 5.63 | 4.46 – 5.03 | 4.97 – 5.63 | 4" | 7° |
| 6" | 6.56 – 7.63 | 6.56 – 7.13 | 7.07 – 7.63 | 4" | 7° |
| 8" | 8.54 – 9.84 | 8.54 – 9.17 | 9.13 – 9.84 | 4" | 7° |
| 10" | 10.70 – 11.90 | 10.70 – 11.30 | 11.25 – 11.90 | 4" | 7° |
| 10" OS | 11.00 – 12.25 | 11.00 – 11.65 | 11.60 – 12.25 | 4" | 7° |
| 12" | 12.70 – 13.80 | 12.70 – 13.30 | 13.25 – 13.80 | 4" | 7° |
| 12" OS | 13.15 – 14.40 | 13.15 – 13.80 | 13.75 – 14.40 | 4" | 7° |



These products are tested and certified by WQA to NSF/ANSI standard 61

CAUTION



Couplings do not prevent pipe pullout. Suitable restraint should be used when required.

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