



# PVC Stargrip® series 4100P

Wedge Action Restraint for AWWA C900/C909 PVC Pipe Bells

New Installations Only

Sizes 4" - 12"

## INSTALLATION INSTRUCTIONS - SIZES 4" - 12"



STEP 1

Place the PVC Stargrip® Series 4000G2 restraint gland on the spigot end of the plain pipe with the lip extension facing towards the mating bell.



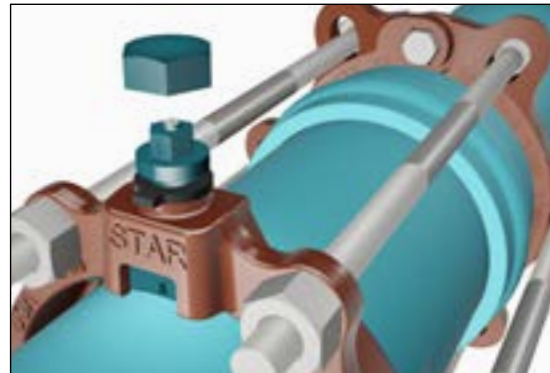
STEP 2

Install the Split Back-Up Ring, behind the pipe bell in the direction indicated on the casting. Tighten clamping bolts on the Split Back-Up Ring to 90 ft-lb. Assemble the Pipe Push-On joint per the pipe manufacturer's installation instructions.



STEP 3

Rotate PVC Stargrip® Series 4000G2 restraint gland on the spigot such that the bolt holes are in alignment and adjust the position so that the distance between the glands is suitable for the double-ended rod length. Adequate length should be allowed on the double-ended rods such that rod sticks out approximately 0.50" past the nut on each end. Install the remaining double-ended rods provided in each bolt hole. Place nuts on the ends of each double-ended rod with rod approximately 0.50" past the nut on each end. Pull PVC Stargrip® Series 4000G2 restraint gland away from the joint until there is no slack in the rods.



STEP 4

Tighten the torque limiting twist off bolts in a clockwise direction until all the wedges are in firm contact with the pipe OD. Continue tightening in an alternative manner until all of the nuts have been twisted off. The nuts on the double-ended rods must be tightened until the Split Back-Up Ring is in firm contact with the back of the bell. These nuts should not be over tightened. If removal of the PVC Stargrip® Series 4000G2 restraint gland is necessary, utilize the 5/8" hex head provided. If reassembly is required, assemble the product in the same manner as above and tighten the wedge bolts 45 - 60 ft-lbs.

### Notes:

- Not to be used on DI or steel pipe.
- PVC Stargrips® must be adequately wrapped or protected if they are covered by concrete to ensure that concrete does not enter the wedge pocket.
- For applications with vertical offsets please contact Star Pipe Products for technical assistance.

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