



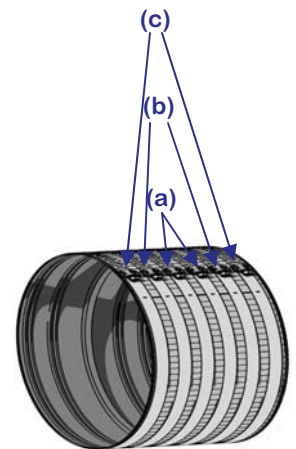
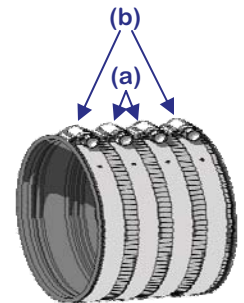
HeavyWeight No Hub Couplings Installation Guidelines



These suggestions provide guidelines for the use of the **Mission HeavyWeight No Hub Coupling** for joining No Hub® pipe and fittings in accordance with accepted industry standards and practices. All construction projects involve many variables. Governing codes, engineering criteria, and the conventions of the plumbing trade, necessitate that judgment decisions must be a combination of design and “on the job” considerations. The following suggestions for joining No Hub® pipe and fittings with the Mission HeavyWeight No Hub Coupling are not definitive, but it is hoped that they will be helpful. Supplementary information about the No Hub® system can be obtained from the Cast Iron Soil Pipe Industry reference publication “Spec. 301-90”, which can be obtained from the manufacturers of No Hub® and Fittings.

The **Mission HeavyWeight Coupling** is designed to be installed by using a properly calibrated torque wrench pre-set at 80 inch pounds. The standard 5/16” hex screw head will accommodate the same tightening tool used on 2 band couplings.

1. In order to provide a sound joint with field cut lengths of pipe, the ends should be cut square. Place the Neoprene gasket on the end of one pipe and the stainless steel clamp assembly on the end of the other pipe or fitting to be joined.
2. Firmly seat both ends of the pipe/fittings against the integrally molded shoulder in the center of the gasket.
3. Slide the clamp assembly into position centered over the gasket. At this point, it is recommended to take the “slack” out of each sealing band by pre-tightening the clamps and the wrench to “hand tight”. Final tightening is described below.
4. **Mission HeavyWeight coupling sizes 1½”, 2”, 3” and 4”** are 3 inches wide and have 4 sealing bands.
 - A. First, tighten the inner bands (a) alternately and firmly to 80 inch pounds.
 - B. Next, tighten the outer bands (b) alternately and firmly to 80 inch pounds.
5. **Mission HeavyWeight coupling sizes 5”, 6”, 8” and 10”** are 4 inches wide, while **12” and 15”** are 5½ inches wide. All aforementioned coupling sizes have 6 sealing bands.
 - A. Start by tightening the innermost bands (a) alternately and firmly to 80 inch pounds.
 - B. When this is completed, move outward to the next set of bands (b) and tighten alternately and firmly to 80 inch pounds.
 - C. Finally, tighten the outermost bands (c) alternately and firmly to 80 inch pounds.



Mission recommends use of Seekonk 80” lb. torque wrench on large size couplings.

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