INSTALLATION INSTRUCTIONS

BEST COUPLING HD SERIES

HEAVY-DUTY NH COUPLING

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Overview

These installation guidelines provide industry-standard practices for joining the Best Coupling HD Series couplings to no hub pipe cast iron pipe and fittings. Local plumbing codes, engineering considerations, and on-the-job trade practices shall determine the exact details of each installation.

Process

The torque wrench must be calibrated to 80 inch pounds of force and accept the 3/8″ hex drive screw head. This set-up should be used without exception on all Best Coupling HD installations. If power tools are used in the installation, the tool should be calibrated to torque to 80 inch pounds.

1. For proper results, pipe ends should be cut square.
2. Install neoprene gasket on the end of one pipe length or fitting and the stainless steer clamp assembly over the other length of pipe or fitting to be joined.
3. Place the second length of pipe or fittings end into the gasket, making sure the two “to-be-joined” pipe lengths or fitting are seated properly with both ends resting “home” against the center rib of the gasket.
4. Once the cast iron joint ends are properly aligned, slide the Best Coupling HD Series shield assembly over the gasket, assuring the gasket is completely covered.
5. Best Coupling HD Series 1½″ through 4″: There are 4 sealing clamps and these bands should be tightened to 80 inch pounds in specific sequence. Torquing should begin on the smaller OD side of the joint. See DETAIL 1 below for standard torquing sequence. 2, 1-2, 1-3, 4-3, 4-2, 1-3, 4
6. Best Coupling HD Series 5″ through 15″: There are 6 sealing clamps and they should be tightened to 80 inch pounds in specific sequence. Torquing should begin on the smaller OD side of the joint. See DETAIL 2 below for standard torquing sequence. *3, 2, 1-3, 2, 1-4, 5, 6-4, 5, 6-2, 1-4, 5, 6

Check

In a typical installation, once the Best Coupling HD Series coupling has been installed and properly torqued to 80 inch pounds, the joint is proper and sound.

Couplings may be re-torqued to verify proper torque of 80 inch pounds has been achieved, following the sequence either in Detail 1 or 2, depending on the coupling size. Note of caution: Subsequent, multiple torquing passes may actually disturb the joint and result in clamp failure.