

## Shurjoint Grooved Mechanical Couplings

The **Shurjoint** grooved piping system is one of the most advanced, versatile, economical and reliable systems available today. After the pipe ends are grooved a gasket is mounted over the pipe ends. The coupling segments are then placed over the gasket and the bolts and nuts are fastened resulting in a secure and leak free joint.

A coupling can be installed 3 – 4 times faster than a comparable welded or brazed joint and there is no need for a flame or welding torch on the job site. A grooved mechanical coupling can be installed by fastening a pair of bolts and nuts while using only a wrench or spanner, whereas a comparable flanged joint requires the fastening of many bolts and nuts with a pair of wrenches. The grooved system allows for easy material take-offs and unlike a threaded system, there is no need to allow for added pipe length for thread engagement. With removal of just a few bolts one can easily access the system for cleaning, maintenance, changes and or system expansion.



### Installation-Ready Coupling

The development of the **Shurjoint** installation-ready coupling has continued the advancement of grooved systems, making it possible to further speed installation and performance. The factory supplied couplings are installation ready with no loose parts and no disassembly required.



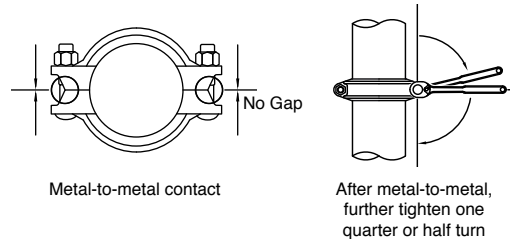
Installation-Ready Coupling

### Helpful Information to Ensure Proper Assembly

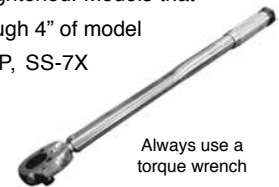
Some couplings and components require the housing bolt pads to make metal-to-metal contact for proper assembly, while others require a specific bolt torque while maintaining equal bolt pad gaps. The icons and information below will help to identify those items to ensure proper assembly. Read and follow all installation instructions for the component being installed.



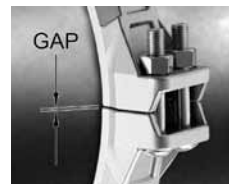
**Metal-to-metal contact:** Tighten bolts and nuts until bolt pads make metal-to-metal contact. After metal-to-metal contact is achieved, tighten nuts by another one quarter or one half turn to make sure the bolts and nuts are snug and secure. No torque wrench is required. Excessive torque may lead to bolt or joint failure.



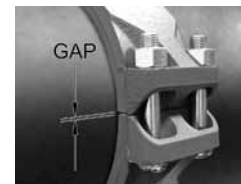
**Torque required!** Bolts and nuts must always be tightened to the required torque by using a torque wrench. Normally there will be some gaps seen between the bolt pads after the bolts and nuts are fully tightened. Models that require torque tightening include 2" through 4" of model XH-1000, all sizes of models XH-70EP, SS-7X and 79 couplings.



Always use a torque wrench



#SS-7X 10" ~ 24"



#79 2" ~ 20"