INSTALLATION INSTRUCTIONS

Style 89 Rigid Coupling
Style 889 Rigid Coupling for Potable Water Applications

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1. CHECK MATING COMPONENT ENDS:
The outside surface of the mating components, between the groove and the mating component ends, shall be generally free from indentations, projections, weld seam anomalies, and roll marks to ensure a leak-tight seal. All oil, grease, loose paint, dirt, and cutting particles shall be removed.

The mating components’ outside diameter ("OD"), groove dimensions, and maximum allowable flare diameter shall be within the tolerances published in current Victaulic Original Groove System (OGS) specifications, publication 25.01, which can be downloaded at victaulic.com.

2. CHECK GASKET AND LUBRICATE:
Check the gasket to verify that it is suitable for the intended service. The color code identifies the material grade. Refer to Victaulic publication 05.01 for the color code chart, which can be downloaded at victaulic.com. Apply a thin coat of a compatible lubricant, such as Victaulic Lubricant or silicone grease to the gasket sealing lips and exterior. NOTE: Silicone spray is not a compatible lubricant.

WARNING

• Read and understand all instructions before attempting to install any Victaulic products.
• Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
• Wear safety glasses, hardhat, and foot protection.
• Style 89/889 Couplings shall be installed only on stainless steel mating components that are prepared to Victaulic Original Groove System (OGS) Specifications.
• Refer to Victaulic publication 17.01 for stainless steel pipe preparation methods, which can be downloaded at victaulic.com.
• Victaulic RX grooving rolls shall be used for stainless steel pipe that is designated in Table 1 in Victaulic publication 17.01. Victaulic RX grooving rolls are silver in color and are identified by the “RX” marking on the face.

Failure to follow these instructions could result in death or serious personal injury and property damage.

CAUTION

• A thin coat of a compatible lubricant shall be applied to the gasket sealing lips and exterior to prevent pinching, rolling, or tearing during installation.

Failure to use a compatible lubricant may cause gasket damage, resulting in joint leakage and property damage.
3. INSTALL HOUSINGS: Install the housings over the gasket with the tongue and recess features seated properly (tongue in recess). Verify that the housings' tongues engage the grooves completely on both mating components.

4. JOIN MATING COMPONENTS: Align and bring the two mating component ends together. Slide the gasket into position and center it between the groove of each mating component. Verify that no portion of the gasket extends into the groove of either mating component.

5. INSTALL BOLTS/NUTS: Install the bolts AND the required torque value is achieved at each set of hardware. Failure to follow this instruction may cause gasket damage, resulting in joint leakage and property damage.

6. INSTALL BOLTS/NUTS: Install the bolts and thread a nut finger-tight onto each bolt. NOTE: Verify that the oval neck of each bolt seats properly in the bolt hole. If couplings are special-ordered with stainless steel bolts and nuts, an anti-seize compound shall be applied to the bolt threads.

7. TIGHTEN NUTS: Tighten the nuts evenly by alternating sides until even gaps are achieved at the bolt pads AND the required torque value is achieved at each set of hardware. Failure to follow instructions for tightening coupling hardware could result in:
   • Personal injury or death
   • Joint leakage and property damage
   • Improperly assembled joints shall be corrected before the system is tested or placed into service.
   • Any components that exhibit physical damage due to improper assembly shall be replaced before the system is tested or placed into service.
   • Failure to follow these instructions could cause joint failure, resulting in death or serious personal injury and property damage.

8. Inspect the bolt pads at each joint to verify that even gaps are achieved at the bolt pads AND the required torque value is achieved at each set of hardware.

Failure to follow these instructions could cause joint failure, resulting in death or serious personal injury and property damage.