



**JCM 114 Mechanical Joint
Bell/Split Repair Sleeve
INSTALLATION INSTRUCTIONS**
Failure to follow installation instructions will result in
voided product warranty.

1. Check sleeve, bolts and gasket to make sure all parts are included and undamaged. Check the size and range of the repair sleeve to verify correct size product. Thoroughly clean pipe surface. Inspect pipe surface where gaskets will seat to make certain pipe is free of flaws, gouges and extreme irregularities.

Lubricate pipe and face of gaskets with soap-water or gasket lubricating solution. **Do not** use grease or pipe lubricant. Oil based lubricants can prevent the gasket from adhering to pipe surface for water tight seal.

2. Check to be sure that the round side gaskets are properly seated in side bar grooves.
DO NOT CUT SIDE GASKETS. Side gaskets will protrude from side bar ends.
3. **(Drawing - A)** See reverse drawings. Install sleeve in proper position on pipe and **match color marks** on body. Install longest "corner" bolts loosely to align sleeve halves. Install side bar bolts. For sleeve sizes provided with two bolt lengths, longer bolts are to be installed on the MJ ends. For underwater applications be familiar with and rehearse proper procedures.
4. Tighten side bar bolts first, starting in the center and working toward the ends. Next, tighten the end bolts so that the sleeve halves are butted together evenly and squarely. **Note: At this point, the round side gaskets should protrude slightly into the area (minimum 1 - 1-1/2 inches) where end gasket will seat.**

**All bolts should be @ 80 Ft/Lbs. torque minimum
(Stainless Steel Hardware may require molybdenum-base antiseize lubricant)**

5. **Block under sleeve to center it on pipe. (Drawing - B)** Install end gaskets, placing lap 45° (1/8 turn) from side bars.

NOTE 1: Sleeves are furnished with long end gaskets. To cut them to length, place the gaskets around the pipe and cut one end on the bias so that the gasket fits snugly around the pipe and the bias cut ends match.

NOTE 2: The end gaskets were lubricated before shipment. If necessary to apply additional lubricant, use a standard gasket soap lubricant as used in rubber joint pipe installations.

NOTE 3: JCM provides the gasket thickness calculated for the fitting/application. JCM can provide different thicknesses of MJ end gaskets should the gaskets provided not complete the water tight installation. For gasket information, contact JCM Technical Sales.

NOTE 4: **If two sets of MJ end gasket have been included with your fitting,** notice they are different thicknesses. During the product ordering process it was determined that unknown pipe irregularities may require a different thickness of gasket to provide the best fit. For gasket information, contact JCM Technical Sales.

6. **(Drawing - C)** Install pusher gland so that joints are 90° (1/4 turn) from side bars. Pusher glands have **color match marks** indicating the proper end and location of each segment of the pusher gland. Install pusher gland so color match marks line up. Tighten bolts evenly to approximately 80 ft. lbs. (more if required).

NOTE: Pusher glands must be positioned and matched to the markings provided for proper installation. For proper gasket and pusher gland positioning, see drawing on reverse. **No "joints"** (gasket, body, pusher gland) should be in line with each other.

7. Test sleeve. A test plug is provided on the sleeve for this purpose should testing be required.

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