



## JCM 114 Mechanical Joint Bell/Split Repair Sleeve Installation Instructions

This repair sleeve with mechanical joint ends is designed for a quick, simple installation with a minimum of equipment. To assure a proper installation please follow this steps:

1. Check sleeve, bolts and gasket to make sure all parts are included and undamaged.
2. Clean pipe in area where sleeve is to be installed. Check pipe dimension to be certain it is correct for the size sleeve.
3. Check to be sure that the round side gaskets are properly seated in side bar grooves.  
**DO NOT CUT SIDE GASKETS.**

(Drawing - A) See reverse drawings. Install sleeve in proper position on pipe and match color marks on body. For underwater applications be familiar with and rehearse proper procedures.

4. Tighten shorter side bar bolts first, starting in the center and working toward the ends. Next, tighten the longer 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 where end gasket will seat.** (All bolts should be @ 80 Ft/Lbs. minimum.)
5. **Block under sleeve to center it on pipe.** (Drawing - B) Install end gaskets, placing lap 45° (1/8 turn) from side bars.

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. For underwater installations additional gasket lubrication is not required.

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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