



# Series 9018ECNISS16

Mechanical Joint Accessory Package

**CONTAINS BOTH DOMESTIC AND IMPORTED HARDWARE**

## Installation Instructions

The installation instructions below are for a mechanical joint gland per AWWA C600-17. If installing a MEGALUG® restraint, please refer to the MEGALUG's Product Brochure for installation instructions.

1. Clean the socket and the plain end. Lubrication and additional cleaning should be provided by brushing both the gasket and the plain end with soapy water or an approved pipe lubrication meeting the requirement of ANSI/AWWA C111/A21.11.
  2. Just prior to slipping the gasket onto the plain end for joint assembly. Place the gland on the plain end with lip extension toward the plain end, followed by the gasket with the narrow edge of the gasket toward the plain end. [The gasket provided may have been the EBAA-SEAL® Improved Mechanical Joint Gasket, the EBAA-SEAL does not have a narrow edge and is bi-directional. It's use with certain sizes of MEGALUGS® is required to achieve the rated pressure.]
- NOTE:** In cold weather it is preferable to warm the gasket to facilitate assembly of the joint.
3. Insert the pipe into the socket and press the gasket firmly and evenly into the gasket recess. Keep the joint straight during assembly.
  4. Push the gland toward the socket and center it around the pipe with the gland lip against the gasket. Insert bolts and hand tighten nuts. Make deflection after joint assembly but before tightening bolts.
  5. Tighten the bolts to the normal range of torque as indicated [3-inch 45-60 ft.-lbs., 4 through 24-inch 75-90 ft.-lbs., 30 and 36-inch 100-120 ft.-lbs., and 42, 48 and 54-inch 120-150 ft.-lbs.] while at all times maintaining approximately the same distance between the gland and the face of the flange at all points around the socket. This can be accomplished by partially tightening the bottom bolt first, then top bolt, next the bolts at either side, finally the remaining bolts. Repeat the process until all bolts are within the appropriate range of torque. In large sizes (30-64 inch [762-1,600mm]), five or more repetitions may be required. The use of a torque-indicating wrench will facilitate this procedure.



## CONTENTS

| Qty. | Description                                     |
|------|---|
| 12   | ¾ in. by 4½ in. Stainless Steel T-bolts w/ Nuts |
| 1    | 18 in. Nitrile EBAA-Seal Gasket                 |
| 2    | Gasket Lube Packet                              |

## Restraints Made in The USA

For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774

These instructions are per AWWA C600-17

APPROXIMATE SHIPPING WEIGHT: 12.34 lbs.

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