

**INSTALLATION INSTRUCTIONS
FOR THE POLY-CAM® MJ ADAPTER**

- 1) The POLY-CAM MJ Adapter is designed for use with the MEGALUG® Series 1100 for ductile iron which conforms to ANSI/AWWA C151/A21.51 when restraining mechanical fittings.
- 2) The socket and plain end should be properly cleaned. Additional cleaning and lubrication should be utilized prior to installation by brushing both the gasket and the plain end with soapy water or an approved pipe lubricant meeting the requirements of ANSI/AWWA C1111/A21.11.
- 3) Place the MEGALUG on the MJ with the lip extension toward the plain end followed by the gasket. *The back end of the gasket should be located on the machined line 2.5” from the socket end of the fitting.* This will allow room for the MEGALUG area to grip on to the ductile iron. (See following figure)

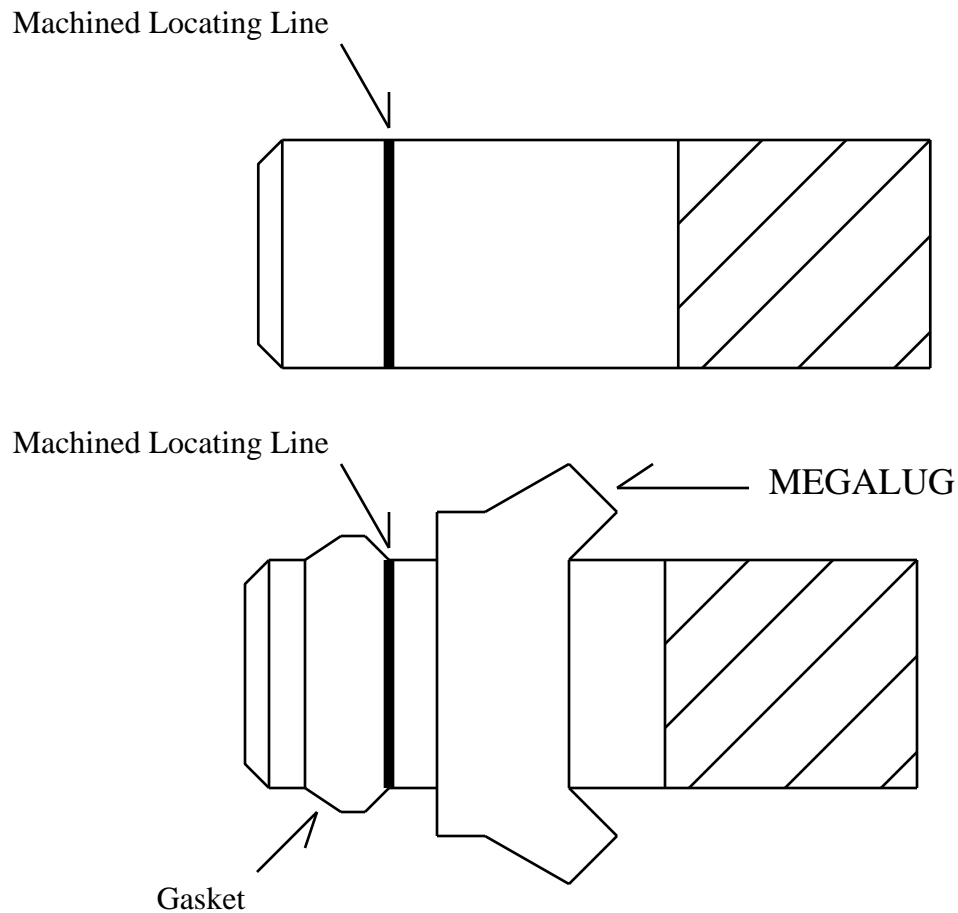
***DO NOT INSTALL THE MEGALUG ONTO THE POLYETHYLENE
PIPING MATERIAL.***

- 4) Insert the MJ into the socket and press the gasket firmly and evenly into the gasket recess. Keep the joint straight during assembly.
- 5) Push the MEGALUG towards the socket and center it around the MJ with the MEGALUG lip against the gasket. Insert bolts and hand tighten nuts. Make deflection after joint assembly but before tightening the bolt.
- 6) Tighten the bolts to the normal range of bolt torque (see table) 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 the 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. The use of a torque indicating wrench will facilitate this procedure.

<i>Pipe Size (in.)</i>	<i>Bolt Size (in.)</i>	<i>Range of Torque (ft-lbs.)</i>
3	5/8	45-60
4-24	3/4	75-90

- 7) Tighten the torque limiting twist off nuts in a clockwise direction (direction indicated by arrow on top of nut) until all wedges are in firm contact with the pipe surface. Continue tightening in an alternate manner until all of the nuts have been twisted off.
- 8) If removal is necessary, utilize a 5/8" hex head. If reassembly is required, assemble the joint in the same manner as above, tighten the wedge bolt to 90 ft. lb..

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These torque ranges are requirements of AWWA C600.