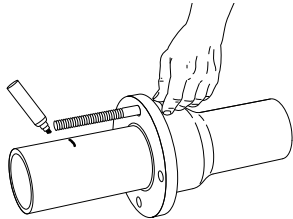


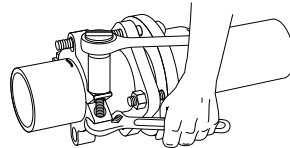
ASSEMBLY INSTRUCTIONS for 2" - 12" SERIES 1300 WITH MECHANICAL JOINT FITTINGS

Refer to the Ford website (<http://www.fordmeterbox.com>) for additional and most recent installation instructions and product information.

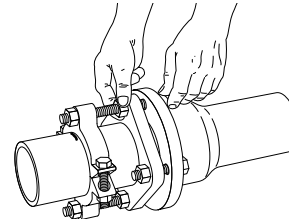
Standard restraint practice for PVC* or Ductile Iron* pipe to mechanical joint fittings.



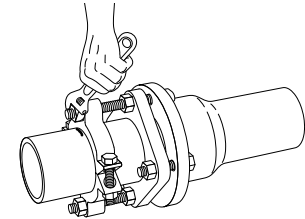
1. Insert pipe into mechanical joint bell. Insert one of the extra long T-Bolts (provided with Series 1300) through one of the flange holes, mark a line on the pipe approximately 1 inch shorter than the bolt length.



2. Assemble the MJ gland, gasket and bolts to AWWA standards. Assemble Series 1300 clamping ring onto the pipe even with line. (Make sure restrainer ears line up with bolt hole in MJ gland as shown). Tighten clamping bolts evenly to at least the minimum recommended torque (see table). A torque wrench is required to ensure proper torque.



3. Insert the extra long T-Bolts provided with the Series 1300 and install one nut each between the gland and clamping ring as shown.



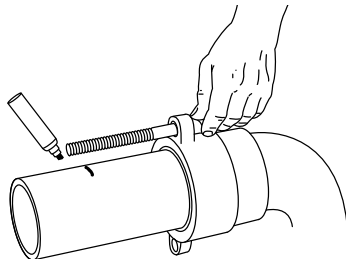
4. Tighten nuts against MJ gland to AWWA standards (3" 45-60 Ft. Lb. • 4"-12" 75-90 Ft. Lb.). Snug retaining nuts behind restrainer ears. **Do not over-tighten retaining nuts.**

SEE NOTES BELOW

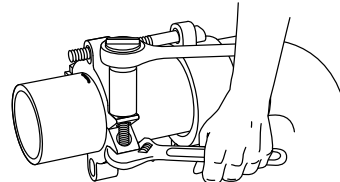
ASSEMBLY INSTRUCTIONS for SERIES 1300 WITH PUSH-ON/EAR-LUG FITTING

Standard restraint practice for PVC* or Ductile Iron* pipe to push-on fittings using ear-lug design.

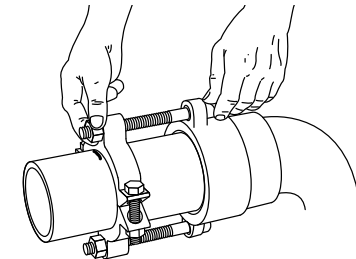
Minimum Recommended Clamping Bolt Torque	
2" through 6"	100 Ft. Lbs.
8"	150 Ft. Lbs.
10" and 12"	200 Ft. Lbs.



1. Insert pipe into the push-on fitting bell. Insert one of the extra long "T" bolts (provided with SERIES 1300) through one of the flange holes, mark a line on the pipe approximately 1 inch shorter than the bolt length.



2. Assemble SERIES 1300 clamping ring onto the pipe even with the line. (Make sure the restrainer ears align with the fitting lugs as shown.) Tighten bolts evenly to at least the minimum recommended torque (see table). A torque wrench is required to ensure proper torque.



3. Snug retaining nuts. **Do not over-tighten retaining nuts.**

SEE NOTES BELOW

Notes:

* Contact Ford Meter Box for installation and water pressure ratings on alternate pipeline materials. 4"-12" units sized to fit C900 PVC are also suitable for most ductile iron pipe applications. The restraint clamping pads will not touch when installed on ductile iron pipe.

Use all rods/T-Bolts provided for best results. The safety factor is derated on joints that do not use all of the 1300 T-Bolts/rods provided. Reduction in water pressure will increase the safety factor. If confined spaces require T-Bolt placement in a reverse direction from the illustrations above, install suitable washers between each T-Head and 1300 restrainer ear to retain T-Bolt heads.



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