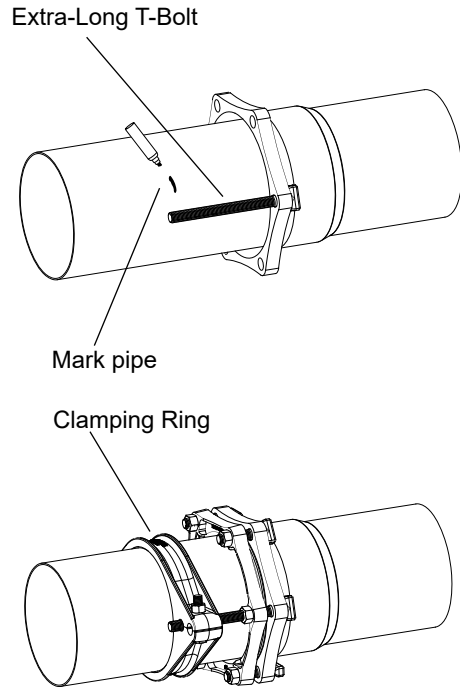


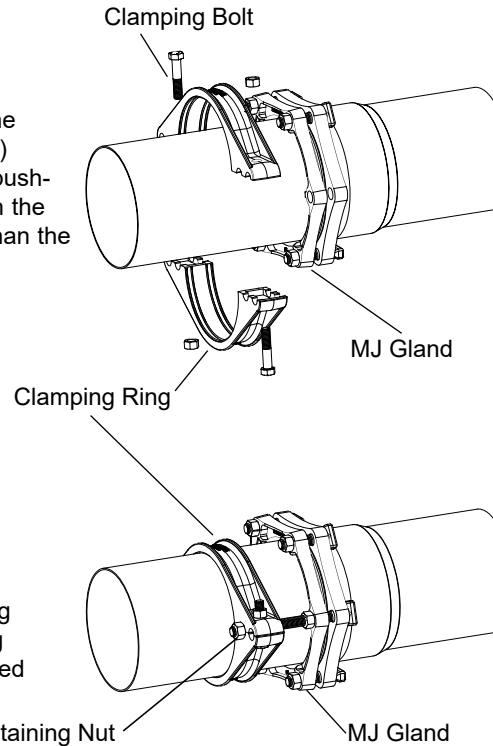
ASSEMBLY INSTRUCTIONS for 4" - 12" SERIES 1309-x WITH MECHANICAL JOINT AND PUSH-ON FITTINGS

Refer to the Ford® website (www.fordmeterbox.com) for additional and most recent instructions and product information.

Standard restraint practice for C900/C909 PVC/PVCO pipe or Ductile Iron pipe to mechanical joint fittings.



1. Insert pipe into bell. Insert one of the extra-long Tee-head bolts (provided) through one of the flange holes or push-on fitting tie rod lugs. Mark a line on the pipe approximately 1 inch shorter than the bolt length.



3. Insert the extra-long Tee-head bolts provided, and install one nut each between the MJ Gland and Clamping Ring as shown. **Note:** The Clamping Ring can be installed over the inserted Tee-head bolts for easier alignment.

2. If using an MJ Gland, assemble the MJ gland, gasket and bolts to AWWA standards. Assemble the Clamping Ring onto the pipe with the outside edge even with the marked line. (Make sure restrainer bolt holes are in line with the extra long Tee-head bolts in MJ Gland or push-on fitting tie rod lugs as shown). Tighten clamping bolts to recommended torque (see Table 1 below). The use of a torque wrench is highly recommended and required to ensure proper torque.

Table 1

Recommended Clamping Bolt Torque	
Nom. Size	C900 PVC/PVCO/DIP
4" and 6"	100 ft-lb
8"-12"	150 ft-lb

4. If using an MJ Gland, tighten nuts against MJ gland to AWWA standards (4"-12" 75-90 ft-lb, 50 ft-lb for C909). Snug retaining nuts behind restrainer 1/2 revolution beyond hand tight. **Do not over-tighten retaining nuts.**

10" AND 12" PUSH-ON FITTING APPLICATION INFORMATION

10" and 12" sizes may be used with push-on fittings that have only two tie rod lugs. The centrally located slot on the 1309 restraint must be used for the connecting fasteners. Place a washer behind the connecting rod fastener nut on the face of the 1309. Pressure ratings for 2-lug push-on fittings are given in the table below.

Working Pressure Ratings for 10" and 12" 2-lug Push-on Fittings (psi)			
Designation	PVC (C900)	PVCO (C909)	Ductile Iron (C151)
10" - I (Import)	200 / 235*	200	100
12" - I (Import)	150 / 235*	150 / 165*	150
10" - U (Domestic)	200 / Pipe Rating*	200 / 235*	200 / 350*
12" - U (Domestic)	150 / Pipe Rating*	150 / 235*	150 / 250*

* Rating requires the use of high strength connecting fasteners that are not supplied with these products unless specifically requested with the restraint purchase order.

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APPROVED
C900 4"-12"
C909 4"-8"