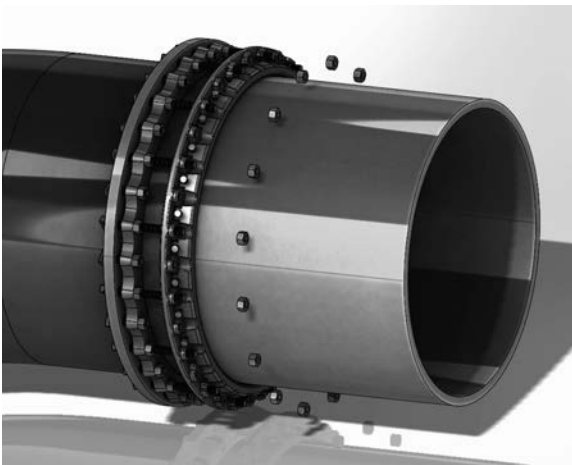


Installation Instructions for the Uni-Flange® Series UFR1500 for 42" and 48" C900 PVC Pipe

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

1. Clean the socket and pipe. Lubricate gasket and pipe with approved pipe lubricant meeting AWWA C111. Place the UFR1500 Gland on the pipe with the lip extension toward the plain end, followed by the Mechanical Joint (MJ) gland with the lip extension toward the plain end and finally the gasket with the narrow edge of the gasket toward the plain end. Reapply lubricant as necessary.
2. Insert the pipe into the socket and press the gasket firmly and evenly into the gasket recess. Keep the joint straight and centered during assembly. In cold conditions, it is best to warm the gasket approximately to room temperature to facilitate assembly.
3. Push the MJ gland toward the socket and center it on the pipe with the gland lip against the gasket. Insert the shorter supplied T-bolts in every other hole and hand tighten nuts keeping the gland centered on the pipe. Block and shim to help ensure the gland remains centered on the pipe. Insert the longer t-bolts (a rod with a specially machined and marked nut may be supplied in place of a t-bolt. If so supplied, assemble with 2-3 threads past the nut and utilize in the same manner as the t-bolt with the machined portion of the nut against the MJ socket), in the remaining bolt holes. Run the hex nuts up to the MJ gland and hand tighten. Move the restraint ring into position so that the longer t-bolts pass through the restraint ring holes. Run the remaining nuts up the t-bolt until the nuts contact UFR1500 gland. Tighten until 2-3 threads are showing past the end of the nut. Set deflection after initial joint assembly but before tightening bolts to the recommended torque.



4. Tighten the hex nuts adjacent to the MJ gland to the same torque recommended in AWWA C111 (120-150 ft-lb). Tighten in an alternating manner, (6 o'clock, 12 o'clock, 3 o'clock, 9 o'clock) maintaining the same gap between the MJ gland and the MJ receiver face at all points. Repeat the process until all bolts are within the recommended torque range. Use of a torque wrench is highly recommended and required to ensure proper torque. A crowfoot drive will be required to ensure proper torque on the long bolts.

5. Square and align the UFR1500 Gland with the pipe taking care to keep all of the hex nuts snug against the UFR1500 Gland. Bring all wedges in contact with the pipe surface by turning all the Auto-Tork actuating screws in a clockwise direction until they are hand tight.

6. Continue tightening the Auto-Tork screws in an alternating manner until all heads have twisted off. If the restraint is re-used, use a torque wrench to ensure a torque of 80 ft-lb has been applied to the actuating screws.
7. Although it is not a requirement, it is always good practice to recheck t-bolt torque prior to back filling and/ or applying water pressure.

