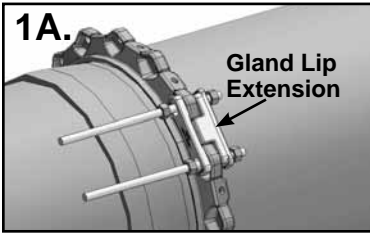


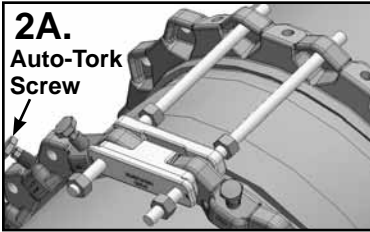
Series UFR1490 - Installation Instructions

Split 1400 and Split Backup Ring Joint Restraint for Ductile Iron Pipe Push-On Joints For New or Existing Pipe Installations



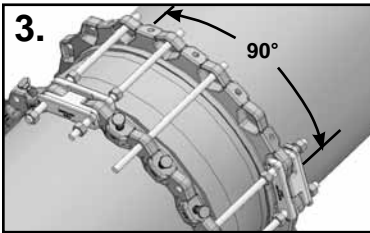
1A.

Gland Lip
Extension



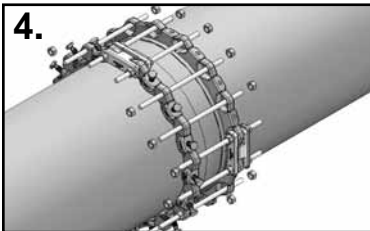
2A.

Auto-Tork
Screw

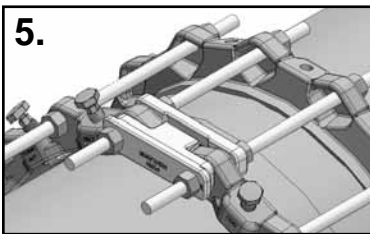


3.

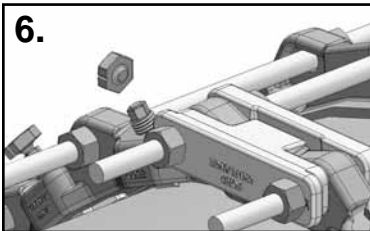
90°



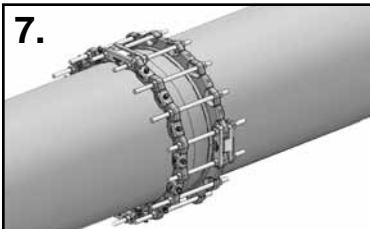
4.



5.

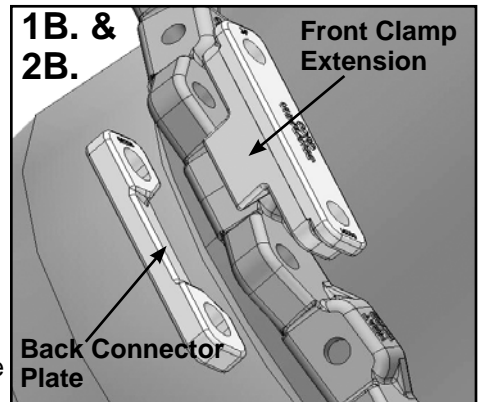


6.



7.

1. Back-Up Ring Assembly (Split 1400 without wedges): Loosely assemble the halves of the gland without wedges on the pipe with the Gland Lip Extension facing toward the back of the pipe bell. Install a connecting rod through the Front Clamp and the Back Connector Plate, placing a nut on both sides. Assemble the halves with the extension of the Front Clamp to the outside of the gland half and the angled portion of the Back Connector Plate is against the gland. Position the Back-Up Ring Assembly against the pipe bell. (You should be able to see "Uni-Flange" text on both parts if properly installed.)



1B. &
2B.

Front Clamp
Extension

Back Connector
Plate

2. Restraint Ring Assembly (Split 1400 with wedges and Auto-Tork Screws): Loosely assemble the halves of the gland (with wedges) on the spigot end of the pipe with the Gland Lip Extension toward the face of the pipe bell by installing a connecting rod through the Front Clamp and the Back Connector Plate, placing a nut on both sides. Assemble the halves so the extension of the clamp is to the outside of the gland half and the angled portion of the connector plate is against the gland. (You should be able to see "Uni-Flange" text on both parts if properly installed.)

3. Align the split back-up ring and the split 1400 so the splits are 90° apart.

4. Using a connecting rod for measurement, position the split 1400 restraint ring assembly (with wedges) on the pipe spigot so several threads of the rod will extend through the bolt holes of the split 1400 restraint ring assembly when it is connected to the back-up ring (split 1400 back-up ring without wedges) and install the rods and nuts in each of the bolt holes

5. Bring all wedges in contact with the pipe surface by turning the Auto-Tork actuating screws in a clockwise direction until the screws are hand tight.

6. Tighten each Auto-Tork actuating screw by turning approximately 180° (1/2 turn), alternating among screws until the break-away heads twist off.

Note: To re-use or re-install after the Auto-Tork break-off heads have been removed; tighten the 5/8" hex head of the actuating screw to 75 ft-lbs. Use of a torque wrench is highly recommended.

7. Tighten the outside nuts on the connecting rods until the back-up ring is seated firmly against the back of the pipe bell. Do not over-tighten.

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