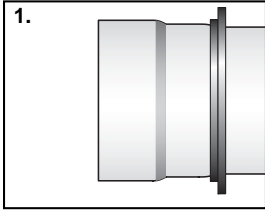
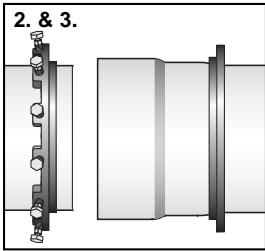


# Uni-Flange Series 1450 Wedge Action Restrainer for Push-On Joints of Ductile Iron Pipe Installation Instructions



1. Install the ductile iron back-up ring behind the bell **with the lip extension of the gland facing the back of the pipe bell.**

**Note:** If a back-up ring without a lip extension is supplied, the bevel on the ring should fit against the pipe bell.



2. Place the Series 1400 wedge action restraint gland on the spigot with the lip extension toward the bell.
3. Assemble the push-on joint per the pipe manufacturer's instructions.

4. Using a connecting rod for measurement, position the 1400 on the pipe spigot so that several threads of the rod will extend through the bolt holes of the 1400 when it is connected to the back-up ring.

5. Align the back-up ring and 1400 and install the rods and nuts in each of the bolt holes.

6. Activate the 1400 restraint by tightening the "Auto-Tork" wedge activating screws in a clockwise manner until they are all in contact with the pipe surface. Continue tightening in an alternate manner until all of the "Auto-Tork" heads twist off.

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

