



## INSTALLATION INSTRUCTIONS FOR: REPAIR CLAMP - CR3

1. Check pipe diameter to insure that correct clamp is being installed.
2. Thoroughly clean the pipe so that the surface is smooth and free of dirt, corrosion or other debris.
3. If conditions permit, place a reference mark on the pipe a measured distance from the center of the break or damaged area.
4. Loosen nuts so that they are flush with the top of studs. Place the clamp half with fingers both ends on the top of the pipe with armored gasket nearest the installer and centered over the damaged area. Pass the other clamp half underneath the pipe with the armored gasket end away from the installer.
5. Tuck the gasket flaps in place and mesh the fingers and snap the keeper bar lip over the finger weldment base. Pull up on the keeper bar nearest the installer and snap the lip over the other finger weldment base.
6. Tighten the nuts finger tight and rotate the clamp to smooth out tapered ends of gasket. Position nuts for convenient tightening.
7. Measure from the reference mark to the center of the clamp to insure that the clamp is centered over the damaged area.
8. Tighten the nuts working from the center outward. Completely tightening the center nut will usually stop or retard the leakage to simplify completion of the installation. Torque nuts sufficiently to stop the leakage. Recheck nut tightness and torque as evenly as possible.

**NOTE:** *The clamp may be assembled beside the break or damaged area and slid into position if the pipe surface is wet or has been lubricated.*

**NOTE:** *Gaps between the lug bases should be maintained as equally as possible on each side. The gaps should be approximately 3/8" for pipe diameter near the bottom of the clamp O.D. range and 1-1/4" near the top of the O.D. range.*

## TORQUE REQUIREMENTS (60 FT.LBS)