

1. Wire brush the surface 5 inches on either side of the leaking joint to remove lime and other deposits. Wipe this area with mortar, filling the cracks and porous surface, providing a smooth sealing surface. PREPARATION OF THIS SURFACE IS ABSOLUTELY NECESSARY.
2. Make a series of alignment marks around the pipe 4 inches away from the joint and install rubber sleeve so it is positioned along alignment marks and centered over the joint.
3. LUBRICATE all bands and assemble in pipe by overlapping 2 band ends such that the studs of each band lay behind and extend through the other band's adjustment slot.
4. Position bands in the band recess of the sleeve, center studs in each adjustment slot and tighten lock nuts (3) on one side of band only. To generate the force necessary to provide a watertight seal, bands must be expanded at both adjustment slots.
5. Place the installation tool in the opposite adjustment slot, as shown below, and expand the band until tight. Check to insure that the sleeve is tight against the surface around its entire perimeter, check tool tightness and tighten the 3 lock nuts.
6. Remove tool and place in first adjustment slot. Expand tool, as needed, to prevent slippage while lock nuts are loosened. Expand, as necessary, to provide a watertight seal. Securely tighten the 3 lock nuts.
7. Repeat band installation procedure for each band.
8. Repeat band installation procedure for the middle band if required.

#### NOTES:

1. A smooth, non-porous sealing surface must be prepared.
2. Do not use if water pressure head is expected to exceed 14 feet.

