



## JCM 630 Fitting and 631 A/C Coupling Asbestos Cement Pipe Restrainers Installation Instructions

1. Thoroughly clean pipe surface. Remove any large obstructions which might interfere with the seating of the restrainer body. Check the size and range of the pipe to the size and range of the restrainer to verify correct size of product.
2. Position top half of restrainer on pipe the appropriate distance from the fitting/coupling to engage the restraining bolts/all-thread rods. Make certain the hollow side of the restrainer ears face toward the fitting/coupling. Align the restrainer ears (or anchor loops) with fitting bolt pattern, or if 631 over coupling, align restrainer ears of both halves. See drawing on reverse.
3. Position the bottom half of the restrainer and install clamping bolts.
4. Tighten clamping bolts evenly. Alternate from one side of restrainer to the other. Tighten bolts to the following torque levels:

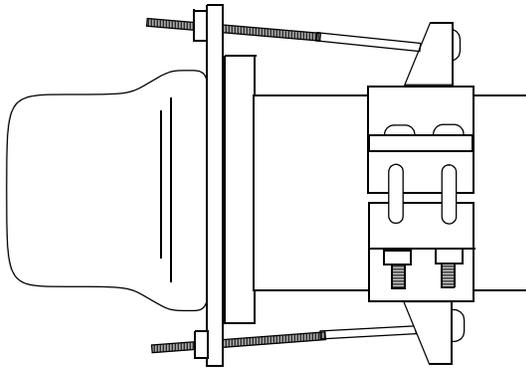
4" - 12" Nominal Pipe Sizes	100 ft. lbs. of torque
14" - 16" nominal Pipe Sizes	125 ft. lbs. of torque

**Field Installation Note:** The torque values listed are manufacturer's suggested levels. It is necessary for field technicians to assess the pipe's condition and integrity to determine if pipe will accommodate these torque levels. Should the assessment find pipe fragile, brittle or weakened, adjust torque levels accordingly.

5. For 631 A/C Coupling Restrainer, assemble other half of restrainer unit on the opposite side of the coupling with same procedures 1 - 4.
6. Insert restrainer bolts/all-thread rod to fitting/over coupling. Place a washer and nut on end(s) of each bolt or rod and hand tighten. The tighten each nut one full turn.
7. If applicable, install second nut on restrainer bolts or rods to lock nut in place.



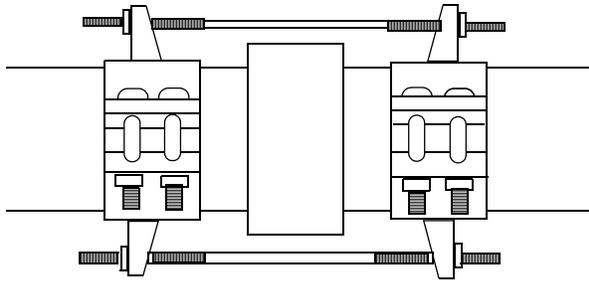
**JCM 630 Fitting and 631 A/C Coupling  
Asbestos Cement Pipe Restrainers  
Installation Instructions  
(Continued)**



**JCM 630 Fitting Restrainer**

For fitting anchor ring, please furnish:

- Type of Fitting
- Space and Dimension Requirements



**JCM 631 Coupling Restrainers over  
Asbestos Cement Coupling**