

Installation Instructions

973

Restrained Dismantling Joint

STEP 1

Ensure the Cam-Lock restraint assembly and MJ gasket are loosely fitted over flanged spool section. Compress and position dismantler assembly between existing companion flanges.

STEP 2

Keeping Cam-Lock restraint assembly and gasket loose on flanged spool section, bolt adapter body to its companion flange. Slide flanged spool section to its companion flange and bolt accordingly. Ensure the flanged spool section is inserted at least 3" past MJ flange face (see figure).

STEP 3

Lubricate the spool surface and gasket using a soap and water solution (anti-freeze may be required). All lubricant solutions should meet the requirements of the water and pipe supplier. Slide gasket evenly into gasket recess. Keep joint straight during assembly.

STEP 4

Position Cam-Lock restraint against MJ gasket. Keep Cam-Lock gland centered around spool section. Insert T-head bolts and hand tighten nuts.

Note: Make deflection after joint assembly but before tightening T-head bolts (see table).

STEP 5

Tighten T-head bolts. Alternate between opposite sides of the Cam-Lock to apply uniform pressure on the MJ gasket. Repeat the process until all T-head bolts are tightened to the recommended torque range (see table).

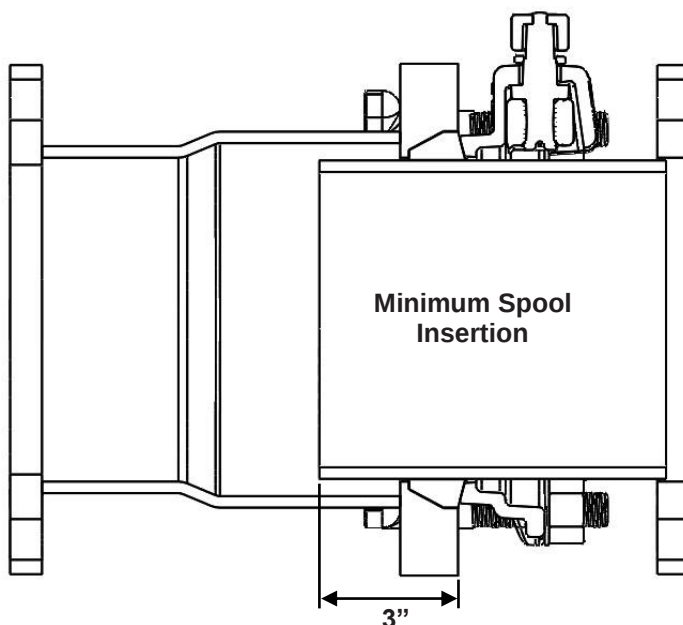
Note: The use of a calibrated torque wrench is strongly recommended. **Do not** over torque the T-head bolts.

STEP 6

Hand-tighten Cam-Lock twist-off nuts in a clockwise direction until all wedges touch the spool. Then tighten twist-off nuts in an alternating pattern turning each nut 1/2 turn until all nuts twist off. **Never** turn a single twist-off nut more than 1/2 turn without moving to another nut. **Do not** tighten further after nuts twist off. Cam-Lock only requires 45-60 ft-lb of torque to set wedges.

Note: If removal and reassembly are required, disengage the Cam-Lock using the 5/8" hex that remains after nuts have twisted off. Follow above instructions in reverse order to completely remove the Cam-Lock fitting. Reassemble Cam-Lock following above instructions. Use a calibrated torque wrench to torque the wedges to 45-60 ft-lb.

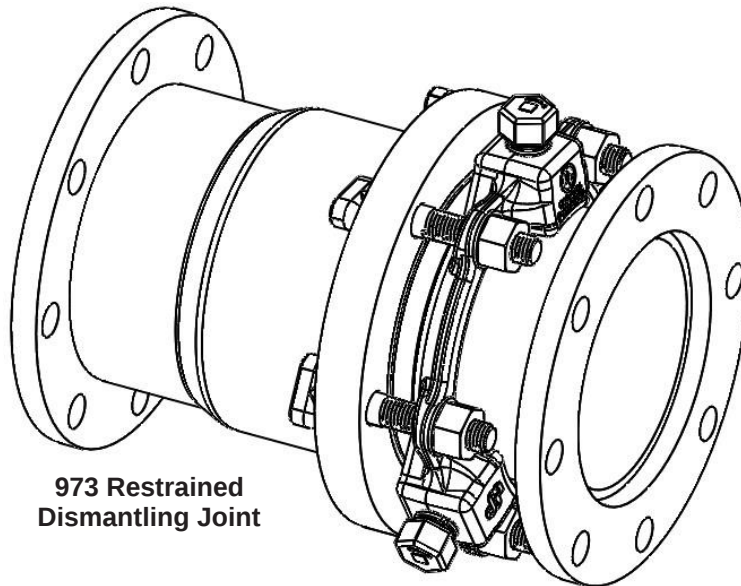
Nominal Size	Maximum Deflection	T-head Bolt Torque
3"	3°	45-60 ft-lb
4"-12"	5°	75-90 ft-lb
14"-16"	2°	
18"-24"	1-1/2°	
30"-36"	1°	100-120 ft-lb
42"-48"		120-150 ft-lb



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IMPROPER INSTALLATION CAN RESULT IN PRODUCT FAILURE.
Failure to follow proper installation procedures can result in dangerous pipe content escape, property damage, serious injury, and/or death. Read the product installation instructions prior to installing this product.

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