



Installation Instructions

Model 108 Universal Clamp Coupling Model 138 All Stainless Universal Clamp Coupling For Sewer Pipe Applications

Read instructions before starting installation*

For purposes other than sewer, contact JCM Industries for application and product assistance.

JCM 108 CLAMPS WITH STANDARD STRAIGHT GASKET

For applications on straight run of pipe including: beam breaks, holes, splits, pin holes and joining sections of pipe with same Outside Diameter.

1. Clean and scrape pipe. Remove any dirt or debris that would interfere with the complete sealing of the gasket around the pipe. Lubricate the pipe with soapy water. **Do not use oil base pipe lubricant.** *Trick of the Trade: Place a mark on the pipe to each side of the damaged area equal to the width of the clamp. This presents a visual mark to center the repair clamp over the damage area (1/2 of this distance is center).*
2. Inspect pipe for integrity, size and outside diameter. Confirm the proper size and range of repair clamp.
3. Place clamp on pipe and center over damaged area using the reference marks.
4. Tuck tapered gasket in place, mesh finger lugs and rotate clamp in direction of arrow to smooth tapered gasket flap. Engage bolts and tighten finger tight to hold in place.
5. Engage bolts and tighten finger tight to hold in place.
6. Tighten bolts evenly to the following torque values: 30 - 40 Ft/Lbs*

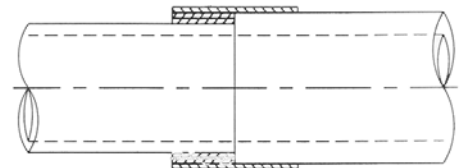
*Thin wall and flexible types of pipe and pipe of suspect integrity are subject to many variables which affect torque values. Use discretion when tightening clamps on thin wall & flexible pipe and pipe of suspect condition in order to not crush or severely deform the pipe. Inspection of pipe integrity is the responsibility of the end user.

JCM 108 CLAMPS WITH STEP GASKET

For applications involving O.D. changes of 1/4" or less including: PVC solvent weld joints, bell end pipe, threaded couplings and schedule 40 couplings. Clamp utilizes an additional thickness of gasket on one end to accommodate pipe/coupling O.D. difference.

Follow steps 1 through 3 from above:

4. Before tightening - **PUSH CLAMP COMPLETELY UP AGAINST JOINT STEP** to assure proper gasket positioning to seal joint area.
5. Engage bolts and tighten finger tight to hold in place.
6. Tighten bolts evenly to the following torque values: 30 - 40 Ft/Lbs.



INT101-0115

*Ensure fitting is suitable for application (confirm size, materials, pressure ratings, line content, meets local governing & association standards, etc.). Pipeline operation forces, including pressure fluctuations, thermal expansion/contraction, movement/shifting, etc. will influence the success of the application. Proper anchorage, restraint, harnessing, thrust blocks or other devices must be provided to prevent pipe movement (lateral, angular, axial) or pipe pullout from the bolt-on fitting. Inspection of the pipe integrity is the responsibility of the end user. JCM recommends the use of calibrated torque wrench. Failure to follow installation instructions will result in voided product warranty.

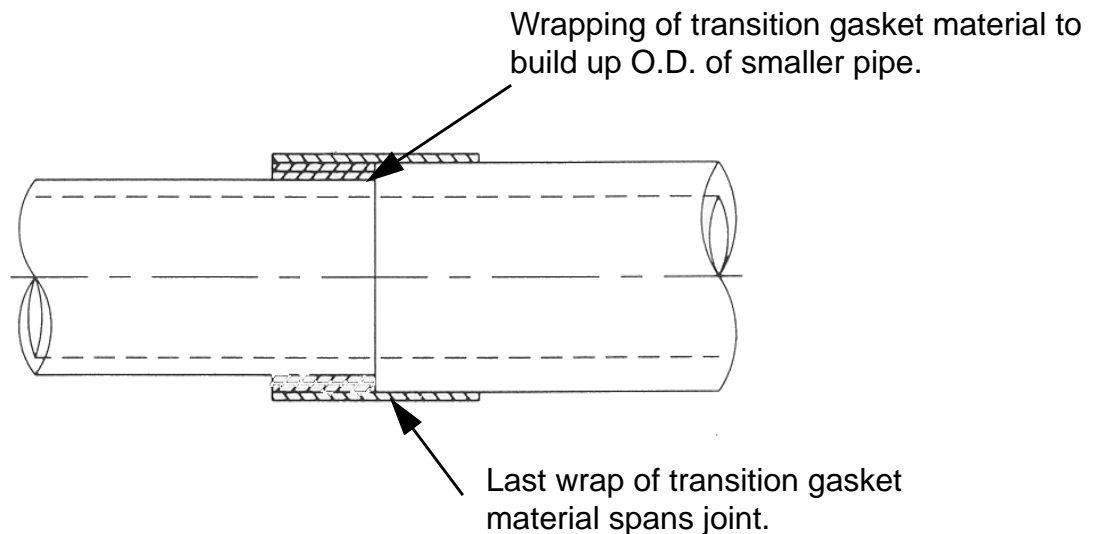
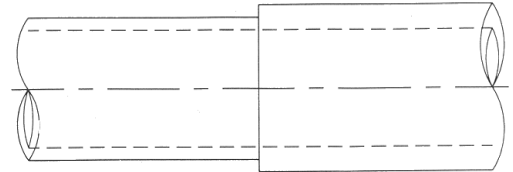
For application review or questions contact JCM Industries at 1-800-527-8482, 903-832-2581

JCM 108 CLAMPS WITH RA-SEAL TRANSITION GASKET MATERIAL

For applications involving joint sections of different O.D.s

To Install:

1. Inspect clamp for correct size and completeness of parts.
2. Clean pipe surfaces where clamp coupling is to be installed.
3. Lay pipe to be joined so that ends are butted together and centered. The difference in pipe O.D.'s should be evenly spaced.
4. Wrap rolled transition gasket material around smaller O.D. pipe end until it is the same O.D. as the larger pipe. Cut off any extra gasket left over.



Note: If pipe O.D.'s are the same or the clamp furnished has a factory supplied gasket, you do not need to wrap pipe with transition gasket material.

Install JCM 108 Universal Clamp Coupling being certain to center it over joint.

JCM Quality Fitting Equipped With 18-8 Stainless Steel Bolts and Nuts

When not properly handled it is the nature of stainless steel fasteners to gall and freeze (seize up). This is due to the inherent properties of the stainless material. Galling and freezing is often triggered by the presence of metal chips, burrs and grains of sand on the threads of the bolts and nuts. Extra care has been taken by JCM prior to assembly and packing of this fitting to assure a trouble-free installation.

1. The nuts and bolts are made from material of different hardness so that they have different strengths.
2. Nuts are coated with a special anti-seize coating. Additional lubricant may be needed. **A Molybdenum-Base lubricant is recommended.**
3. Each nut is assembled by hand to be sure that it went on the bolt freely.
4. The bolts and nuts are handled carefully to avoid damage to the threads.
5. The bolts and nuts are made to exacting specifications to assure that the correct material is used and that the thread form is correct.

Stainless hardware is especially susceptible to galling. JCM supplies specially coated nuts to eliminate the galling caused by over-torquing, but **the bolt threads must be kept clean, free from nicks and not pitched or thrown into the tool bucket during the installation process.** Use of the **JCM 901 Master Wrench or JCM 905 Torque Wrench with Deep Socket is highly recommended.** Use of pneumatic wrench for installation could cause hardware to seize and is not recommended.