



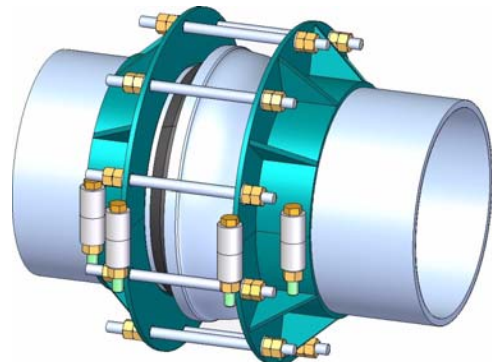
JCM 143 BELL JOINT LEAK CLAMP
Ductile Iron, Cast Iron and C-905 PVC Bell/Spigot Joints
Sizes 14" - 36"
INSTALLATION INSTRUCTIONS

1. Clean pipe surface of all dirt, rust, mud or loose scale from pipe ends. Inspect the pipe surface where gaskets will contact the pipe for any gouges, grooves, irregularities or imperfections that will interfere with the gasket seal. *Repairs to caulk joint should be complete and provide a smooth, flat surface for the gasket seat.* Measure the cleaned pipe diameter to confirm proper size of bell joint leak clamp for application. Inspection of the pipe's integrity for product application is the responsibility of the end user. ***TIP*** *Difficult to reach or cramped areas on the backside or underside of the pipe can be visually checked by using a mirror.*
2. Lubricate the gasket with soapy-water solution. Do not use oil based pipe lubricant. Install the gasket (Bevel Cut) on the spigot side of the joint with the flat side facing toward the pipe bell. For large or oversized cast iron pipe an additional gasket has been included to accommodate the pipe diameter. Gaskets may be cut to meet up. Follow original bevel angle to ensure complete match. Slide the gasket toward the joint so that flat side of the gasket meets up with the face of the bell.
3. Install the fabricated clamp ring segments on the spigot side of the joint. Engage the side clamping bolts loosely to allow rotation of the fitting on the pipe. *Ensure that the fabricated clamp ring joint is rotated 90° (1/4 turn) from the gasket joint.*

On the bell side of the joint install the second set of clamp ring segments in the same manner. Loosely bolt the segments together to allow movement. Complete installation by inserting the long rods through the segments and over the joint into the corresponding bolt holes of the opposite clamp rings. Loosely assemble nuts on the ends of the bolts.

4. Take up excess slack from side clamping bolts, but allow enough play to let the fitting move slightly on the pipe when tightening rods to compress the gasket. Hand tighten the rod nuts and ensure the spigot ring is centered on the pipe and is making full contact with the face of the gasket. Tighten the rod nuts evenly until the spigot gasket compresses against the joint and the leak stops. Tighten nuts to approximately 60 - 70 ft. lbs. of torque. Complete installation by tightening side clamping bolts to approximately 80 - 100 ft. lbs of torque.

To ensure integrity of installation, wait 15 minutes, inspect for leaking, and confirm bolt torque. If necessary, retighten bolts evenly as required to stop the leak.



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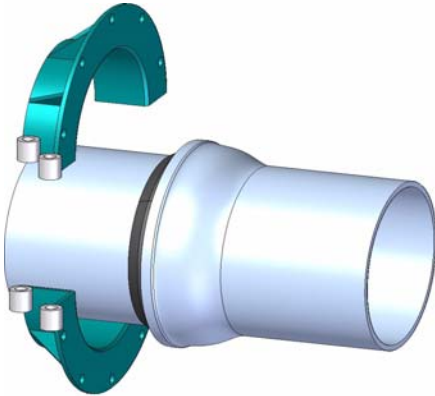


JCM 143 BELL JOINT LEAK CLAMP

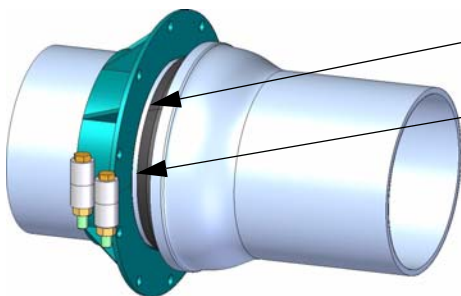
Ductile Iron, Cast Iron and C-905 PVC Bell/Spigot Joints
Sizes 14" - 36"
INSTALLATION INSTRUCTIONS



Lubricate the gasket with soapy-water solution. Do not use oil based pipe lubricant. Install the gasket (Bevel Cut) on the spigot side of the joint with the flat side facing toward the pipe bell. For large or oversized cast iron pipe an additional gasket has been included to accommodate the pipe diameter. Gaskets may be cut to meet up. Follow original bevel angle to ensure complete match. Slide the gasket toward the joint so that flat side of the gasket meets up with the face of the bell.

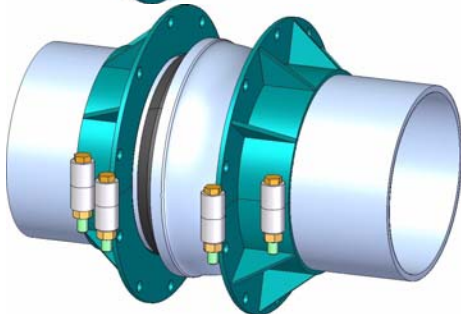


Install the fabricated clamp ring segments on the spigot side of the joint. Engage the side clamping bolts loosely to allow rotation of the fitting on the pipe. *Ensure that the fabricated clamp ring joint is rotated 90° (1/4 turn) from the gasket joint.*

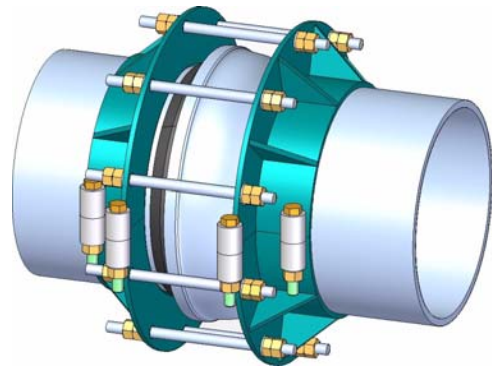


Gasket Joint
1/4 Turn
from
Ring Joint

On the bell side of the joint install the second set of clamp ring segments in the same manner. Loosely bolt the segments together to allow movement. Complete installation by inserting the long rods through the segments and over the joint into the corresponding bolt holes of the opposite clamp rings. Loosely assemble nuts on the ends of the bolts.



Take up excess slack from side clamping bolts, but allow enough play to let the fitting move slightly on the pipe when tightening rods to compress the gasket. Hand tighten the rod nuts and ensure the spigot ring is centered on the pipe and is making full contact with the face of the gasket. Tighten the rod nuts evenly until the spigot gasket compresses against the joint and the leak stops. Tighten nuts to approximately 60 - 70 ft. lbs. of torque. Complete installation by tightening side clamping bolts to approximately 80 - 100 ft. lbs of torque.



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