

JCM Universal Clamp Couplings - Single Band

JCM Universal Clamp Couplings provide a full circumferential seal and wide range for the permanent repair or reconnection of asbestos-cement, cast iron, ductile iron, PVC, HDPE and other types of pipe.

JCM 101 Series Universal Clamp Couplings

Balanced, Low Profile Ductile Iron lugs (ASTM A536) with mutually supporting sliding fingers provide distortion free tightening over a wide range. Ductile Iron lugs offer corrosion resistance and the most efficient method of transfer of energy from the fastener attachment directly to compression of the gasket.

Corrosion Resistant Type 304 Stainless Steel Band conforms to pipe irregularities, maintaining sealing pressure over the entire gasket area. Design criteria requires gauge thickness increase with clamp size. This is just one of the design points which enables JCM Universal Clamp Couplings to withstand the internal forces involved with large pipe repair.

Positive Attachment of stainless band to lugs is a structurally sound fabrication design element which accommodates the higher **“turbo torque”** capabilities ensuring permanent repairs on high pressure applications.

Gridded Gasket with long tapered ends and recessed bridge plate assures even gasket pressure through out the range - without wrinkling or crimping. **Diamond gridded, 1/4” thick gasket** (JCM standard on nominal sizes 4” and larger) adapt to pitted or uneven pipe surfaces to completely seal damaged areas. Standard gasket is compounded for use with water, salt solutions, mild acids, bases and sewage. Other gasket compounds for exotic line contents are available.

Larger Bolts for greater torque ratings are provided on 10” clamps and larger. The 3/4” bolts have bolt torque capability in excess of 100 ft. lbs. These higher torque value capabilities allow JCM Universal Clamp Couplings to go beyond the “standard installation.”

JCM 170 Series Universal Clamp Coupling with Removeable Lug System

Features an Easy to Remove Lug - simply slide the open ear lug section off the stainless band receiver pleat, install the clamp around the pipe and slide the lug back into place. A simple transfer of bolt torque energy from the bolt to the stainless steel band locks the lug into place and prevents band pull out.

Full Line of Diameters and Widths - JCM 170 Series is available in the exact sizes and ranges as the JCM Models 101, 102, 103 and 104 are have the same great availability. Single band, multi-band and tapped outlets are readily available.

JCM 170 Series with Removeable Lug Overcomes common installation problems such as:

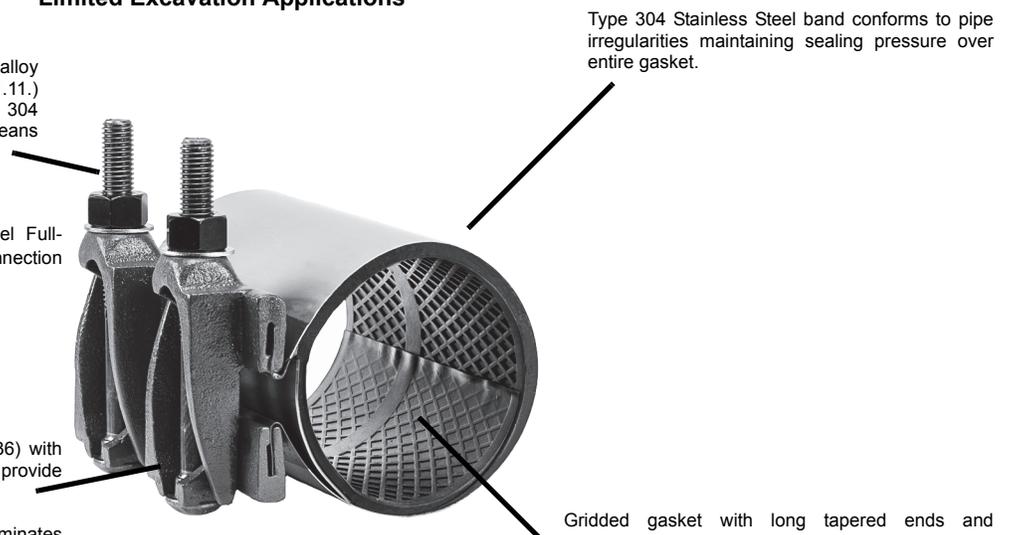
- Cramped Underground Utility Applications**
- Rockbound Soil Conditions**
- Restricted, Narrow Space Piping Galleries**
- Limited Excavation Applications**

Corrosion resistant, high strength low alloy bolts and nuts (AWWA C-111, ANSI A21.11.) are standard. Optional 18-8 Type 304 Stainless Steel available. Drop-in bolts means no loose parts.

Meets ANSI/AWWA C230 Stainless-Steel Full-Encirclement Repair and Service Connection Clamps

Low profile Ductile Iron lugs (ASTM A536) with mutually supporting sliding fingers provide distortion free tightening over wide range.

Positive attachment of band to lugs eliminates mechanical weaknesses and band pull-out.



Type 304 Stainless Steel band conforms to pipe irregularities maintaining sealing pressure over entire gasket.

Gridded gasket with long tapered ends and recessed bridge plate assures even gasket pressure throughout range - without wrinkling or crimping. Compounded for use with water, salt solutions, mild acids and bases.

Image Reflects 6” Clamp Width

JCM 101 Universal Clamp Couplings

JCM 171 Universal Clamp Couplings



| Nom. Pipe Size (IN.) | Clamp O.D. Range (IN.) | 101 Attached | 171 Removeable Lug | Clamp Width - Approximate Weight | | | | | | | |
|------------------------|---|--------------------------------------|--------------------|----------------------------------|----------|----------|----------|----------|----------|-----------|-------|
| | | | | Clamp Number | 6" | 7" | 12" | 15" | 18" | 24" | 30" |
| | | | | | Lbs.# | Lbs.# | Lbs.# | Lbs.# | Lbs.# | Lbs.# | Lbs.# |
| 1-1/2 | 1.88 - 2.15 | 0190 | | • | - | • | - | - | - | - | |
| | | | | 7# | | 14# | | | | | |
| 2 - 2-1/2 | 2.35 - 2.63 2.70 - 3.13 | 0238 0275 | | • | • | • | • | - | - | - | |
| | | | | 8# | 9# | 15# | 19# | | | | |
| 3 | 3.46 - 3.70 3.73 - 4.13 | 0350 0400 | | • | • | • | • | - | - | - | |
| | | | | 8# | 10# | 16# | 20# | | | | |
| 4 | 4.45 - 4.75 4.74 - 5.14 4.95 - 5.35 5.22 - 5.62 | 0450 0480 0500 0525 | | • | • | • | • | • | • | • | |
| | | | | 9# | 11# | 18# | 22# | 27# | 36# | 44# | |
| 6 | 5.95 - 6.35 6.56 - 6.96 6.85 - 7.25 7.05 - 7.45 7.45 - 7.85 | 0600 0663 0690 0710 0745 | | • | • | • | • | • | • | • | |
| | | | | 10# | 12# | 19# | 24# | 29# | 38# | 48# | |
| 8 | 7.95 - 8.35 8.54 - 8.94 8.99 - 9.39 9.27 - 9.67 9.90 - 10.30 | 0800 0863 0905 0940 1000 | | • | • | • | • | • | • | • | |
| | | | | 11# | 13# | 21# | 27# | 32# | 42# | 53# | |
| 10 | 10.60 - 11.00 11.04 - 11.44 11.34 - 11.74 11.75 - 12.15 12.00 - 12.40 | 1075 1110 1140 1175 1200 | | - | • | • | • | • | • | • | |
| | | | | | 19# | 36# | 39# | 52# | 70# | 78# | |
| 12 | 12.60 - 13.02 13.10 - 13.50 13.40 - 13.80 13.70 - 14.10 14.00 - 14.40 | 1275 1320 1340 1370 1400 | | - | • | • | • | • | • | • | |
| | | | | | 20# | 37# | 40# | 52# | 74# | 82# | |
| Number of Bolts | | | | 2 | 2 | 4 | 4 | 6 | 8 | 10 | |

HOW TO ORDER

- Determine O.D. of pipe.
- Select proper clamp O.D. range and width.
- Determine Model Number. Model 101 for standard clamp, 171 for Removeable lug system.
- Specify clamp number. Example: To fit Cast Iron pipe, 6.90 O.D. with 6" width, order: 101-0690-6 or 171-0690-6

Clamps do not prevent lateral movement of pipe. Applications in which the pipe may move out of the clamp, proper anchorage of the pipe must be provided.

Available Options Upon Request

Models 101-171-102-172

- Pipe sizes and ranges not listed
- Stainless Steel Bolts
- Conductive Buttons
- Specialty Gaskets
- Tapped clamps, see page 18
- Other Sizes and Ranges

