

# JCM INDUSTRIES

P. O. Box 1220, Nash, TX 75569-1220

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Fax 800-874-9524 or 903-838-6260

[www.jcmindustries.com](http://www.jcmindustries.com)

## Typical Specification

### JCM 143 Bell Joint Leak Clamp – sizes 4” – 12”

For Cast Iron, Ductile Iron, C-900 PVC with Standard and Extended Bells

Bell Joint Leak Clamps for 4” -12” pipe shall provide a dependable repair of leaking joints by means of packing a gasket against the bell or joint face. Interlocking ductile iron body segments per ASTM A536 shall compress a self-centering gasket featuring a key cut joint into the face of the bell end. Clamp ring segments will transfer bolt torque energy to gasket compression through the tightening of bolts, drawing the segments towards each other. Bell Joint Leak Clamp shall be JCM 143 or approved equal.

### JCM 143 Fabricated Bell Joint Leak Clamp – sizes 14” – 36”

Ductile Iron, Cast Iron, C-905 PVC

Bell Joint Leak Clamps sizes 14” – 36” shall provide a dependable repair of leaking joints by means of packing a bevel cut gasket against the bell or joint face. Clamp shall consist of segmented bolt on rings designed to compress the gasket into the face of the bell end. Clamp ring segments will transfer bolt torque energy to gasket compression through the tightening of bolts, drawing the segments towards each other. Clamp segments shall be fabricated of high strength steel per ASTM C 285, A36 or equal. Clamp will be provided with hardware for installation.

JCM 100 Series Clamps are ANSI/NSF Standard 61, Annex G, ANSI/NSF 372 Certified.

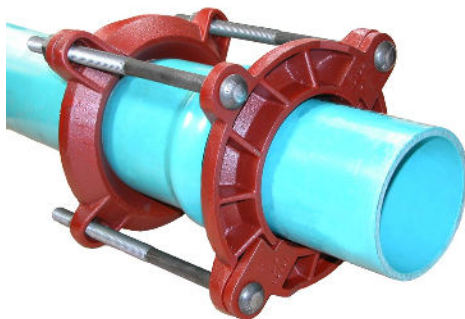


Image reflects 4” BJLC



Image reflects 36” BJLC



Effective 06.28.21

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## Material Specification

### JCM 143 Bell Joint Leak Clamp - Sizes 4" – 12"

Body Rings: Ductile Iron per ASTM A536

Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Gasket is captured into a cavity for internal and external retention. Gasket temperature range -40°F to 212°F (-40°C - 100°C) Gasket suitable for water, salt solutions, mild acids, bases, and sewage.

Hardware: High Strength, Low Alloy per AWWA C-111, ANSI 21.11, A242 or equal. Other materials available.

Finish: Coating shall be cathodic electrocoat epoxy, applied electrostatically to a minimum thickness of 12 µm to provide a uniform protective finish across all surfaces, recesses and edges. Metal surfaces shall be cleaned, conditioned, coated, and rinsed to provide a durable, safe coating without voids, gaps or exposed areas. Coating shall provide superior resistance to impact, cracks, chips, scuffs, cuts and other impactive forces. Coating shall be ANSI/NSF61 Certified. Optional Fusion Epoxy Coating per ANSI/AWWA Standard C213 available.

### JCM 143 Fabricated Bell Joint Leak Clamp – Sizes 14" – 36"

Body Rings: Fabricated Steel per ASTM 285 Grade C, A36 or equal.

Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Gasket is captured into a cavity for internal and external retention. Gasket temperature range -40°F to 212°F (-40°C - 100°C) Gasket suitable for water, salt solutions, mild acids, bases, and sewage. Optional EPDM available.

Hardware: High Strength, Low Alloy per ASTM A242, Grade B7 or equal. Optional Stainless Steel Hardware Available.

Finish: Corrosion Resistant Shop Coat Primer. Optional Fusion Epoxy Coating per ANSI/AWWA Standard C213 available.

JCM 100 Series Universal Clamp Couplings are ANSI/NSF Standard 61, Annex G and ANSI/NSF Standard 372 Certified.



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## Material Specification

### JCM 143 Fabricated Bell Joint Leak Clamp Dimensional Information

Dimensions reflected are standard fabrication for JCM 143 Bell Joint Leak Clamp sizes 14" – 36" based on common pipe industry tolerances. To ensure proper size and fit, dimensions of the pipe and joint area should be confirmed to JCM Sales Team. Fittings can be fabricated to accommodate specific dimensions.

Contact JCM Sales at 1-800-527-8482, 903-832-2581 or [sales@jcmindustries.com](mailto:sales@jcmindustries.com)

Nom Pipe Size (IN)	Pipe O.D. (IN)	Max. Bell O.D. (IN)	BJ Sleeve Length (IN)	Approx. Weight (LBS)
14	15.30	20-9/16"	4	125
16	17.40	23-1/4"	4	150
18	19.50	25-3/4"	4	175
20	21.60	27-15/16"	4	200
24	25.80	32-3/8"	6	325
30	32.00	38-7/8"	6	400
36	38.30	45-5/16"	8	600

