

JCM INDUSTRIES

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Typical Specification

JCM 105 Collar Leak Clamp

For Pipe and Coupling Joints with a wall thickness greater than 5/32" and less than 5/16"

All full circumferential single band repair clamps 2" and larger shall have a minimum material standard of certifiable prime 304 Stainless Steel band; heavy duty, low profile Ductile Iron Lugs per ASTM A536 with mutually supporting sliding fingers; corrosion resistant alloy bolts, per ASTM A242/ANSI 21.11/AWWA C-111, and a Styrene-Butadiene Rubber (SBR) gridded gasket with tapered lap joint ends and a 304 stainless steel bridge plate molded flush into the gasket. Gaskets in sizes 3" and larger shall be 1/4" thick. Gaskets shall have an additional thickness of gasket on one end to accommodate a coupling wall thickness greater than 5/32" and less than 5/16". To provide extra tightening capability, the band shall be permanently attached to the lugs by crimping the lug and locking it in place with a minimum of three stainless welds per lug. Clamp shall be similar to JCM 105 Collar Leak Clamp or approved equal. Optional features available; see material specification.

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

JCM 100 Series Universal Clamp Couplings meet or exceed ANSI/AWWA C230 Standard for Stainless –Steel Full-Encirclement Repair and Service Connection Clamps as applicable.



JCM 105 Collar Leak Clamp
Image Reflects 6" Width

This typical specification, provided by JCM Industries, is a proposed guideline for use by specifying agencies to ensure significant design and material features of this product are included within the agencies' individual specifications.



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Material Specification

JCM 105 Collar Leak Clamps

- Band:** 18-8 Type 304 Certifiable Prime Stainless Steel
- Lugs:** Ductile Iron ASTM A-536, 60-40-18
- Bolts:** Corrosion resistant low alloy per ASTM A242/ANSI A21.11/AWWA C111. National coarse rolled thread and heavy hex nut. Optional Stainless Steel 18-8 Type 304 or 316 available. Optional Epoxy Coated low alloy bolts/nuts available.
- Gasket:** Virgin Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases. Per ASTM D-2000 M4AA 607. Standard temperature range from -40° to 150°F (-40° to 65° C) constant, maximum intermittent 180° F (82° C). For applications on high temperatures or chemical pipelines, contact JCM Industries Technical Services.
- Coating:** Corrosion resistant shop coat paint primer.
- Pressure Rating:** Pressure holding capabilities vary according to application. For specific pressure ratings, contact JCM Industries Technical Services.

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