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, Annex G and ANSI/NSF 372 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.

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.
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°C to 150°F (-40°C 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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