



JCM Industries, Inc.

**Fittings & Fabrications
for Repair - Connection - Branching
All Types and Sizes of Pipe**

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JCM 213 FABRICATED REDUCING COUPLING

The solution to transitions between nominal pipe sizes.

The JCM 213 Fabricated Reducing Coupling provides an economical solution to joining two plain end pieces of pipe of different nominal pipe sizes. Constructed of 2 bolted couplings with a fabricated carbon steel transition spool piece used between the two couplings to make the change between the two pipe sizes

Features built into the design of the JCM 213 include:

Availability - The JCM 213 Fabricated Reducing Coupling is available from JCM on either an emergency or contingency basis.

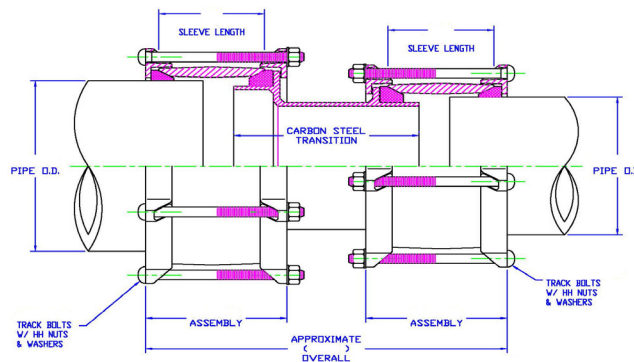
Composition - most often incorporates the JCM 210 Ductile Iron Couplings that offer a wide working range that accommodates the piping industry's +/- tolerances of the types of pipe to be joined. JCM 201 Steel Couplings can also be used for fixed O.D. pipe sizes.

Long laying length - the component configuration and fabricated spool creates a longer length fitting that overcomes irregular pipe cutting in the field and can make up for large gaps between pipe ends.

Transitions - the JCM 213 can be designed to accommodate smaller, one pipe size transition and large multi-sized transitions. Sizes 2" - 16" and larger.

Restraint systems available upon request.

Note: Standard couplings do not provide for axial pipe movement. In applications in which lateral pipe pullout may occur, pipe restraint must be provided. See fitting manufacturer recommendations for applications on High Density Polyethylene Pipe.



▲ WARNING
WHEN PIPE PULLOUT COULD OCCUR, PIPE JOINT MUST BE ANCHORED. FAILURE TO ANCHOR PIPE JOINT COULD RESULT IN ESCAPING CONTENT CAUSING PROPERTY DAMAGE, SERIOUS INJURY OR DEATH.

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JCM 213 FABRICATED REDUCING COUPLING

Material Specifications:

Ductile Iron Coupling Components

Sleeve & Flanges: Ductile Iron Per ASTM A536

Gaskets: Styrene-Butadiene Rubber (SBR) has good physical properties. Compounded for use with water, salt solutions, mild acids and bases; has excellent abrasion resistance. Per ASTM D-2000. 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. The material is not recommended for use on oil, ozone or weather resistant applications.

Steel Coupling Components

Sizes 2" - 12" Middle Ring: Steel per ASTM A36

Followers: Ductile Iron ASTM A536

Sizes 14" and Larger: Middle Ring: Steel per ASTM A36

Followers: Steel per ASTM A36

Gaskets: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber. Gasket temperature range -40°F to 212°F (-40°C - 100°C) Recommended for water, salt solutions, mild acids, bases, sewage and natural gas. Available Options: EPDM

Balance of Components

Spool: Carbon steel pipe or tubing

Bolts: 5/8" Corrosion resistant, high strength low alloy oval neck track head bolts per ASTM A242/ANSI 21.11/AWWA C111 and heavy hex nuts per A563 or equal.

Optional Hardware: Stainless Steel 18-8 Type 304 or 316

Epoxy Coated Alloy Hardware, Powercron 590-534 black cationic electrocoat.

Coating: Corrosion resistant shop coat paint primer. Optional fusion applied epoxy coating per ANSI/AWWA C-213. Other coatings available upon request.

Working Pressure: Fittings are rated for 150 PSI working pressure when installed per manufacturer's instructions. Inspection of pipe integrity is the responsibility of the end user. For higher working pressure applications, contact JCM Industries.

JCM 200 Series Steel Couplings are ANSI/NSF Standard 61, Annex G and ANSI/NSF 372 Certified.

JCM 200 Series Bolted Couplings meet or exceed the ANSI/AWWA C219 Standard as applicable.

