



JCM Industries, Inc.

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

JCM Industries, Inc.
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Large Diameter & Non-Standard Contour Pipe Repair Sleeve

The JCM 118 Repair Sleeve is designed to provide immediate repairs to large diameter pipe in systems which require high working pressure capability. Engineered specifically for the internal pressure forces involved with large pipe and its working characteristics, the JCM 118 is available in pipe sizes up through 120" and larger with several design options for the specific application.

Features built into the design of the JCM 118 include:

Reinforcement of the Pipe Wall - strong, yet lightweight steel (pressure vessel quality) directly reinforces the pipe wall on the circumference of the pipe.

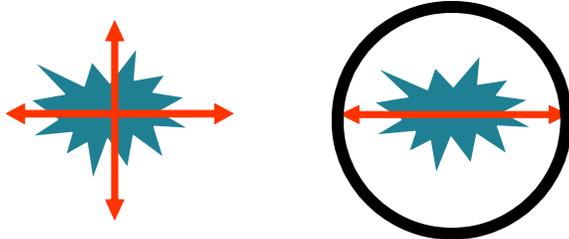
Heavy Duty Design - large fitting components, spacious bolt holes and heavy hardware combine to make installations in less than ideal environments easy and fast. The JCM 118 especially lends itself for easier underwater and low visibility installation applications.

Maximum Gasket Sealing - heavy duty materials provides high levels of bolt torque transferred directly to gasket sealing compression. Higher bolt torques maintain greater working pressures.

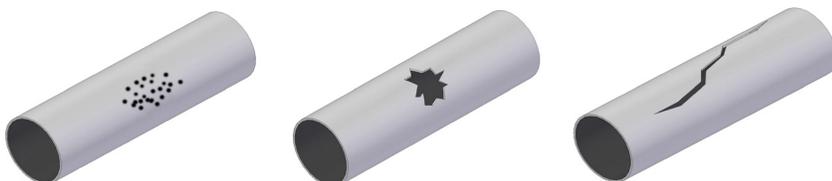
Minimal Pipe Excavation - the JCM 118 sleeve requires limited pipe exposure around the damaged area. Full section joint exposure of underground pipelines is eliminated.

Low Profile Stance - the hydro-mechanical lip gasket is trapped both internally and externally in a recessed groove that provides a low profile stance on the pipe eliminating the chance of gasket displacement or "blow-out" in high pressure applications.

Availability - The JCM 118 Repair Sleeve is available from JCM on both an emergency and a contingency basis. Timely delivery and installation prevents extensive pipe damage, content loss and environmental violations.



Suitable for these types of damage:



Simple and fast repair.
The damaged area falls within the "Inside Diameter (I.D.) of the gasket" trapping (encompassing) the hole within the gasket area. Repair Sleeve gasket loads faster and provides greater gasket compression on the pipe.

**Typical Application:
Repair
Temporary/Permanent
Especially Recommended for
Large Diameter Pipe
High Working Pressures**

**Splits
Holes
Punctures
Corroded Areas
Gouges**

**For application parameters,
contact JCM Engineered and
Technical Sales
800-527-8482 or 903-832-2581**

JCM 118 Large Diameter and Non-Standard Contour Pipe Repair Sleeve

MATERIAL SPECIFICATIONS

- Body:** Carbon Steel per ASTM A36, A516 GR 70 or equal. Optional 304 or 316 Stainless Steel.
- Bolts:** Corrosion resistant, high strength low alloy ASTM A242, A193 B5, B7. Optional A193 B8 304 stainless steel or 316 stainless steel.
- Gasket:** Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded 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 gasket materials available.
- Finish:** Heavy coat of corrosion resistant shop coat primer which is an excellent base for bitumastic coal tar or similar field coatings. Optional Fusion Epoxy Coating available.

Available as Weld On Reinforcement Sleeve

- Special fabrication options include:
- Laying Length
 - Pipe Range
 - Gasket - Coating - Hardware
 - Body Material
 - Damaged area accommodation



Fabricated of Carbon Steel with shop coat primer
Optional threaded outlet available

Available Fabricated of Stainless Steel (304 or 316)
Optional threaded outlet available

