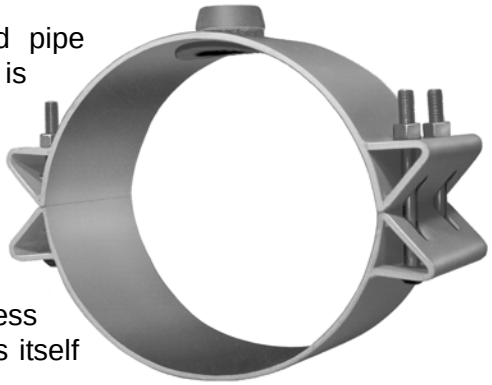
JCM 118 Large Diameter and Non-Standard Contour Pipe Repair Sleeve

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



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

Reinforcement Pipe Wall - strong and lightweight steel 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 118 especially lends itself for easy underwater and low visibility applications.

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

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.

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

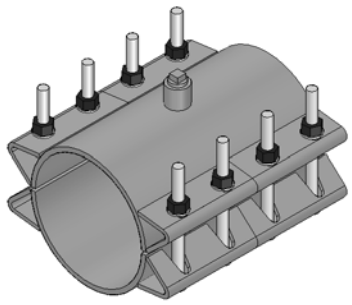
Splits
Holes
Punctures
Corroded Areas
Gouges

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.

JCM 118 Large Diameter Repair Sleeve Offers Application Specific Options

JCM 118 is available fabricated of 304 stainless steel or 316 stainless steel

The JCM 118 Repair Sleeve is recommended for applications on large diameter pipe, high working pressure systems and critical service applications. The 118 provides a variety of fabrication options for consideration such as space limitations, environment and service requirements. These special fabrication options include:



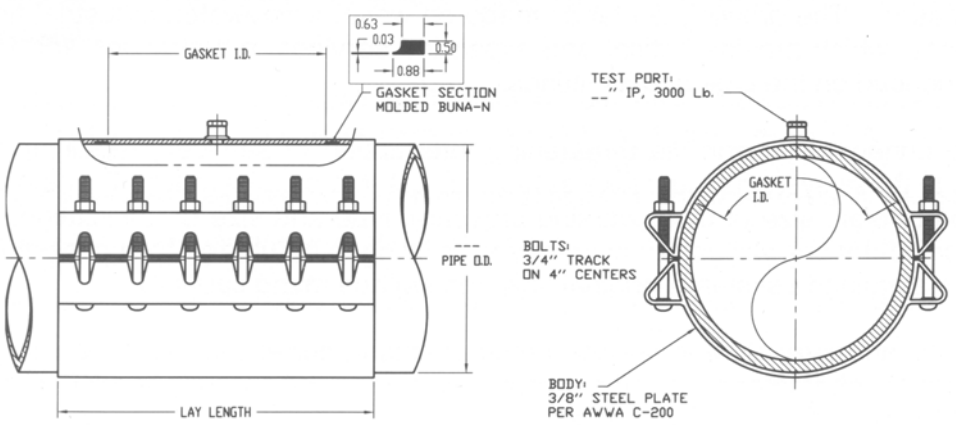
JCM 118 Repair Sleeve - Available in Carbon Steel or Stainless Steel (304-316)

Laying Length
Pipe Range
Gasket
Coating
Body Material
Damaged area accommodation
Hardware

NSF Certified to NSF/ANSI 61

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

JCM provides various options for the JCM 118 Large Diameter Pipe Repair Sleeve. For special engineered fittings, contact the JCM Technical Services Sales Team and provide the application parameters. JCM will provide recommendations for the application and custom design the fitting to accommodate those parameters.



JCM 118 Large Diameter Repair Sleeve - Standard Design

HOW TO ORDER

For pricing and engineering, the following information must be furnished:

Type of Pipe	Dimension of Damaged Area
Pipe Outside Diameter	Space Limitations
Line Content	Coating Requirements
Line Working Pressure	Optional Material Requirements

JCM 118 Fabricated Repair Sleeve - Standard Fitting Typical Specification

Repair fittings shall be the high strength type fabricated of ASTM A285 Grade C or ASTM A-36 Steel or equal, which conforms to and reinforces the pipe. Sleeve shall be minimum 8” wide and be sized to fit and reinforce the pipe circumference. Sleeve repair area shall have a minimum 3/4” wide Buna-N gasket recessed in a machined groove. Repair fitting shall have a 3/4” outlet for venting and test purposes. Repair fitting shall be furnished with a corrosion resistant shop coat paint primer with high strength, low alloy corrosion resistant bolts and nuts (AWWA C-111, ANSI 21.11). Repair Sleeves shall be ANSI/NSF Standard 61, Annex G and ANSI/AWWA 372 Certified.

JCM 118 Large Diameter Pipe Repair Sleeve - Material Specifications

BODY:	ASTM A285 Grade C, ASTM A-36 Steel or equal. Optional 304 or 316 Stainless Steel.
BOLTS:	Corrosion resistant, high strength low alloy A242. Optional Stainless Steel, 18-8 Type 304 or 316; Epoxy Coated Bolts.
GASKET:	Nitrile rubber compounded for use with water, salt solutions, mild acids and bases.
COATING:	Heavy coat of corrosion resistant shop coat primer, an excellent base for bitumastic coal tar or similar field coatings. Optional Fusion Epoxy Coating (per ANSI/AWWA C-213) available.