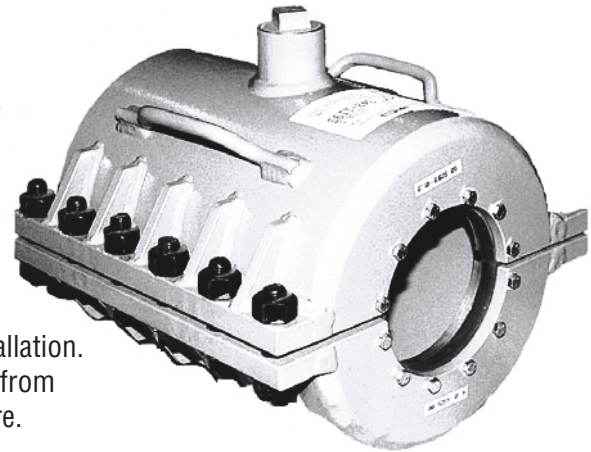


Sleeves for High Pressures



Style 96 Expanded Body Split Repair Sleeve for Steel Pipe

- Especially designed for steel transmission piping
- Designed to completely enclose and permanently repair pit holes or splits in steel pipe up to 8" in length; or encase defective screw collars and butt-welded joints. Sleeves will assemble over deflected pipe as much as 5 degrees.
- Capscrew design provides added circumferential sealing capability around the pipe.
- All sleeves are factory-tested to 1.5 times rated pressure.
- Sleeves come completely factory-assembled for quick installation. Fabricated from high quality carbon steel or manufactured from cast steel. Sleeves are vented for installation under pressure.



Style 96 Materials of Construction

Body Halves: Weldable steel suitable for the particular application to ASTM A36 or equivalent.

Follower: Carbon Steel AISI C1015

Cap Screws: Heat-treated Carbon Steel C1038 cadmium-plated.

Studs: Shall meet chemical and physical properties of ASTM A193 Grade B7 and the strength requirements of the application.

Gaskets: Sleeves are shipped with Nitrile rubber-compounded gaskets that will not deteriorate from age or exposure to air under normal storage or use conditions. Nitrile gaskets shall meet the following specifications:

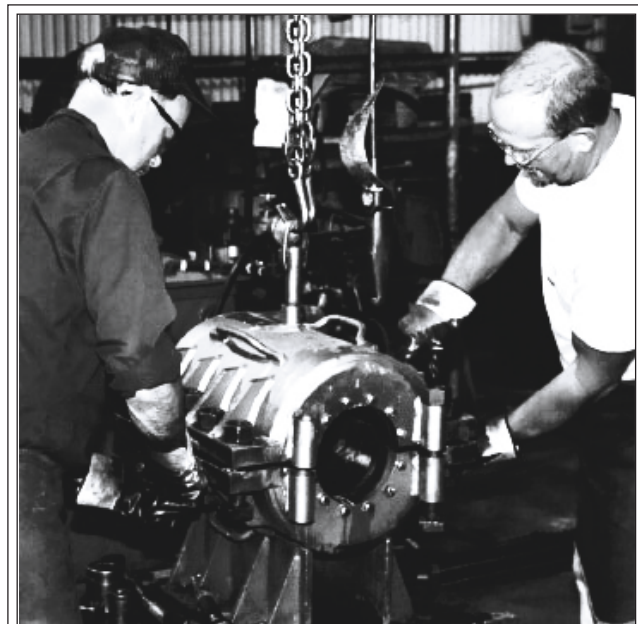
- Durometer Hardness: 70 ± 5
- Tensile Strength: 1000 psi minimum
- Elongation: 200% maximum

The gaskets are immune to attack by impurities normally found in natural gas such as odorants, liquid hydrocarbons, carbon dioxide and water.

Coatings: Provided Dresser shopcoat as standard; AL-CLAD™ fusion-bonded epoxy optional.



Grooved side-packs of Dresser split repair sleeves prevent gaskets from blowing out of position during installation. Below, a finished sleeve is pressure-tested prior to shipment.



Pressure Ratings

ANSI 150 to 500 psi

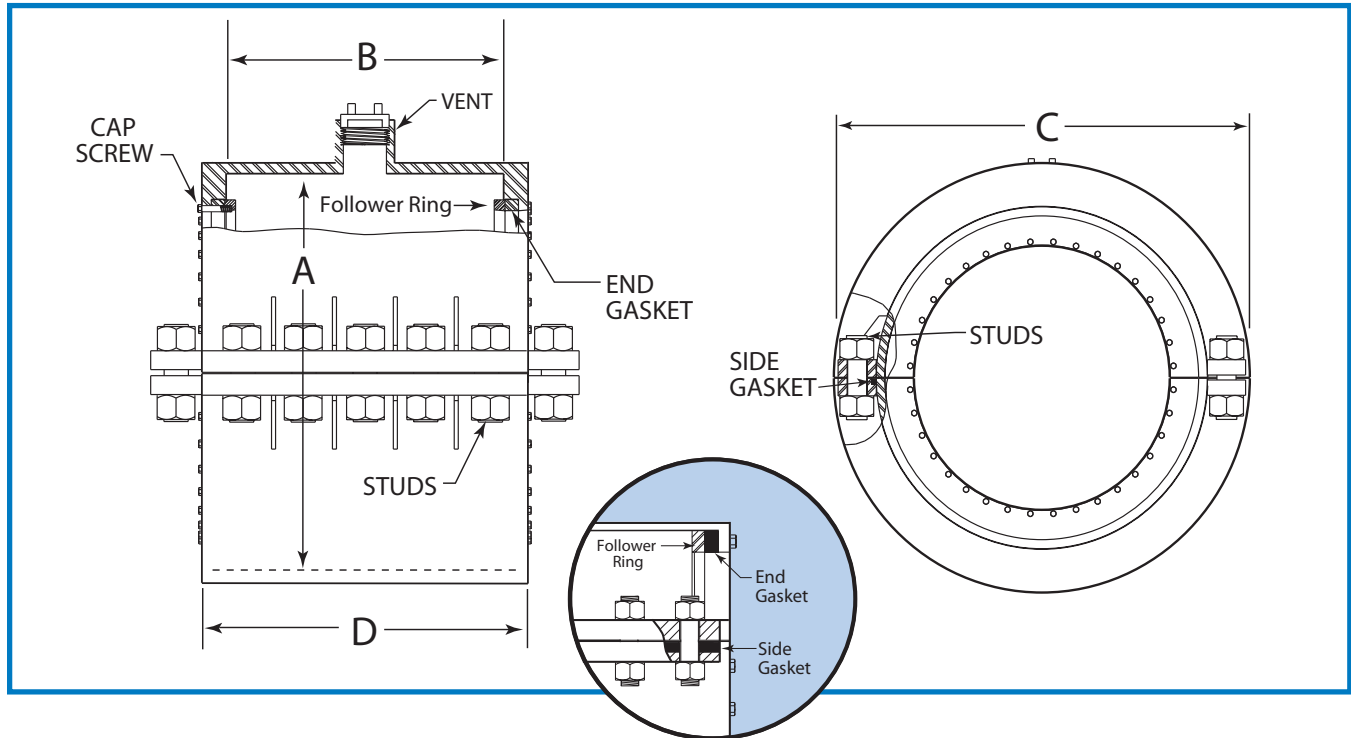
ANSI 300 to 1000 psi

ANSI 600 to 1500 psi

Temperature Ratings

-20° to +150°F
For all sizes

Style 96 Split Repair Sleeve Dimensions



Style 96 Split Repair Sleeve Dimension Specifications for Sizes 6" thru 30"

| PIPE (Steel) | | ANSI 150 to 500 PSI | | | | ANSI 300 to 1000 PSI | | | | ANSI 600 to 1500 PSI | | | | VENT Diameter (IN) |
|----------------|--------------------|-----------------------|------------|------------------------|------------|-----------------------|------------|------------------------|------------|-----------------------|------------|------------------------|------------|--------------------|
| Nom. Size (IN) | Outside Diam. (OD) | Inside Dim. Diam. (A) | Length (B) | Overall Dim. Diam. (C) | Length (D) | Inside Dim. Diam. (A) | Length (B) | Overall Dim. Diam. (C) | Length (D) | Inside Dim. Diam. (A) | Length (B) | Overall Dim. Diam. (C) | Length (D) | |
| 6 | 6.625 | 12-5/8 | 14 | 17-7/8 | 18-3/8 | 12-5/8 | 133/4 | 19-5/8 | 22-3/4 | 12-5/8 | 15-1/4 | 20-5/8 | 25 | 2 |
| 8 | 8.625 | 14-5/8 | 14 | 19-7/8 | 18-3/8 | 14-5/8 | 133/4 | 19-5/8 | 22-3/4 | 14-5/8 | 15-1/4 | 22-5/8 | 25 | 2 |
| 10 | 10.750 | 16-3/4 | 14-1/4 | 22 | 18-7/8 | 16-3/4 | 16-3/8 | 24-1/4 | 26-7/8 | 16-3/4 | 16-3/8 | 25-1/8 | 27 | 3 |
| 12 | 12.750 | 18-3/4 | 14-1/4 | 24-1/4 | 20-3/4 | 18-3/4 | 16-3/8 | 26-1/4 | 22-7/8 | 18-3/4 | 18 | 31 | 31-1/2 | 3 |
| 14 | 14 | 20 | 14-1/4 | 25-1/2 | 20-3/4 | 20 | 16 | 29-1/2 | 28 | 20 | 18 | 32 | 31-1/2 | 3 |
| 16 | 16 | 20 | 14-1/4 | 27-1/2 | 20-3/4 | 22 | 18 | 32 | 29-1/2 | 22 | 18 | 34 | 31-1/2 | 4 |
| 18 | 18 | 20 | 14-1/4 | 29-1/2 | 20-3/4 | 24 | 20-1/4 | 33-5/8 | 34 | 24 | 18 | 36 | 31-1/2 | 4 |
| 20 | 20 | 26 | 14-1/4 | 32-1/4 | 20-3/4 | 26 | 15-1/4 | 35 | 27 | 26 | 18 | 38 | 31-1/2 | 4 |
| 22 | 22 | 28 | 14-1/4 | 34-1/4 | 20-3/4 | 28 | 16-1/2 | 40-3/8 | 32 | 28 | 18 | 38 | 31-1/2 | 4 |
| 24 | 24 | 30 | 16 | 36-1/8 | 22-1/2 | 29-5/8 | 16-1/2 | 42 | 32 | 29-5/8 | 18 | 42 | 35 | 4 |
| 26 | 26 | 32 | 17-1/4 | 38-1/2 | 21-3/4 | 31-5/8 | 16-1/4 | 49 | 32-1/2 | 31-5/8 | 20 | 46 | 39 | 4 |
| 28 | 28 | 34 | 17-1/4 | 40-1/2 | 21-3/4 | 35-5/8 | 16 | 53 | 32-1/2 | 33-5/8 | 20 | 50 | 39 | 4 |
| 30 | 30 | 36 | 17-1/4 | 42-5/8 | 21-3/4 | 37-5/8 | 17 | 55 | 32-1/2 | 35-5/8 | 20 | 50 | 39 | 4 |

NOTE: Dresser will custom fabricate larger diameters upon request. Higher pressure ratings, longer sleeve lengths and/or metric sizes can be furnished per order. Please consult customer service with your particular individual application requirements.

SUPPLIED BY:



Anode Engineering Pty Ltd | Engineering Services
P: 1800 446 400
E: admin@anodeengineering.com
www.anodeengineering.com

SUPPLIED BY:



Lordco New Zealand
P: +64 4 939 3944
E: sales@lordco.co.nz
www.lordco.co.nz