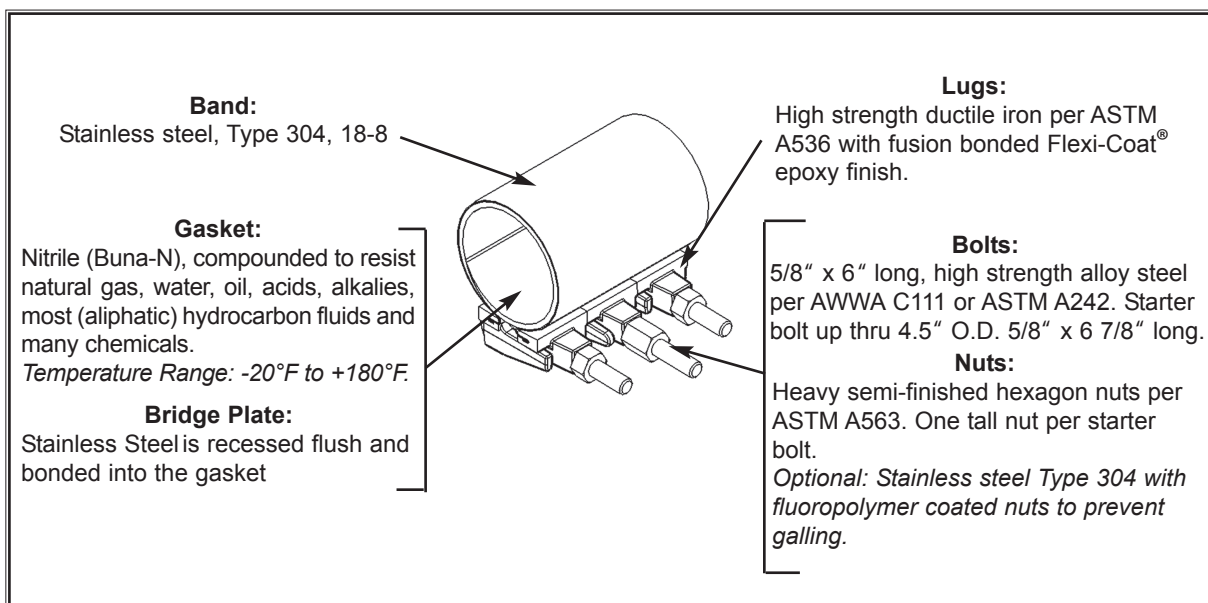


Full Circle® Repair Clamps

225

Product Specifications



Features:

- Removable lugs to allow installation in tight spaces.
- 18-8 Type 304 Stainless Steel band for corrosion resistance.
- Standard widths 7.5" through 30".
- A 360° gasket seal provides full circumferential support and reinforcement.
- Lugs have a fusion bonded Flexi-Coat epoxy coating for corrosion resistance.
- Repair pipes in a wide variety of sizes and widths to fit your application.
- One starter (longer) bolt minimum per clamp through 4.5" O.D. sizes to help with installation.
- Range up to .40" in the single band (slightly less in smaller sizes); .80" in the double band; more in larger clamps to help reduce inventory.
- Drop-in bolts to ease installation. If more than one band, all joints except for one will have all-closed lugs to keep bolts in place during installation.

Clamp	Size	Working Pressure*
Single Band	2"-10" Nominal	125 PSI
Single Band	12"-14" Nominal	100 PSI
Double Band	3" - 12" Nominal	125 PSI

*Pressures are based on test performed on full circumferential breaks. The amount of pressure that a full circle clamp will contain is proportionate to the diameter of the clamp and the amount of torque applied to the bolts. Small diameter clamps will have a higher pressure rating than their larger counterparts (regardless of manufacturer). On any given installation, the pressure capability of a clamp is influenced by the type and extent of damage, service conditions, environmental conditions and installation workmanship.

Product Specifications

SPECIFICATION:

The Full Circle repair clamp shall have an 18-8 Type 304 Stainless Steel band. It shall be a minimum of 7.5" in width (5" minimum width for the 221). The lugs shall be made of high strength ductile iron per ASTM A536 GR80-55-06 and have a fusion bonded Flexi Coat epoxy coating.

The lugs shall be attached to the band by hemming the band and sliding it into the lug slot. The slot shall be cast into the lug base. The lug shall have a friction fit preventing it from sliding off. It is also designed for easy removal and reattachment in restricted spaces.

The gasket shall be made of Nitrile (Buna N) specially compounded to resist water, oil, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals. The temperature range of the gasket shall be -20°F thru +180°F. The gasket must have a bridge plate that helps the end of the

clamp band seal across the gap. The bridge plate shall be made of quarter-hard 304 Stainless Steel. It shall be recessed and bonded into the gasket. The gasket shall have a gridded pattern. The gasket shall be tapered on the ends and overlap for range capability.

All bolts shall be at least 5/8" x 6" high strength low alloy per ANSI A21.11 and B18.10. At least one 5/8" x 6 7/8" bolt with a taller nut shall be furnished to help facilitate installation of clamps up thru 4.50" O.D. Heavy semi-finished nuts meeting ASTM A563 shall be provided with the bolts. Multi-band clamps shall have all closed lugs except for one set of open and closed lugs to allow for easy opening and installation of the clamp.

OPTIONAL - Stainless steel type 304 bolts and nuts. The nuts shall be fluoropolymer coated to prevent galling.

The clamp shall be a Smith-Blair, Inc., 225 Full Circle clamp or approved equal.

Approved By
Name:
Title:
Date:

THESE PRODUCT SPECIFICATIONS WERE CORRECT AT TIME OF PUBLICATION.

MATERIAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SEE CATALOG BROCHURE GCC-200 FOR MORE DETAILS. VISIT SMITH-BLAIR'S WEBSITE AT WWW.SMITH-BLAIR.COM TO DOWNLOAD THE MOST CURRENT INFORMATION.



Ph: 870-773-5127 | Fax: 870-773-5212 | www.smith-blair.com

Toll-Free Numbers: Ph: 800-643-9705 | Fax: 800-648-6792

30 Globe Ave, Texarkana, AR 71854 | PO Box 5337, Texarkana, TX 75505