



# 244 Full Circle® Redi-Clamp®

For Gas Service



Smith-Blair's 244 Full Circle Redi-Clamp provides a fast and economical means of repairing pin holes, punctures or splits in pipe. Innovative design, extensive testing and state-of-the-art manufacturing techniques are used to produce the 244 Redi-Clamp.

When applied to crimped PE pipe, the 244 serves as a support to the weakened area and marks the location for future reference (not for repair).

The full circumferential gasket with two bonded and recessed armor plates allows the 244 to perform similar to a Full Circle clamp, sealing 360-degrees around the pipe.

The band is stainless steel, selected to meet the exacting requirements of corrosion resistance, flexibility and strength.

The lugs are precision cast ductile iron with a contoured surface to equalize clamping pressures around the pipe. The lug design includes a drop-in bolt feature that eliminates loose parts, saves time and aids installation under adverse conditions.

*Smith-Blair's 244 Full Circle Redi-Clamp may be used for most water and gas applications with the exception of gas plastic pipe repair. It is suitable for restoring shape and marking crimped polyethylene gas service lines.*

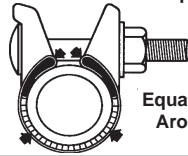
*Suitable anchorage must be provided when excessive pipe movement could cause the pipe to move out of the clamp.*

Meets D.O.T. Title 49 Sect. 192

## Material Specifications

|  |  |
|--|--|
| <b>BANDS:</b>                                  | Stainless Steel Type 304   |
| <b>LUGS:</b>                                   | Ductile Iron per ASTM A536.  |
| <b>GASKET:</b>                                 | Nitrile (Buna N)-Compounded to resist oil, natural gas, acids, alkalis, most (aliphatic) hydrocarbon fluids, water and many chemicals (contact Smith-Blair® engineers on applications involving chemicals).<br>Temperatures -20°F to +180°F. |
| <b>NUTS &amp; BOLTS:</b>                       | Carbon Steel SAE J429 electrogalvanized with di-chromate seal. Optional 304 stainless steel with Fluoropolymer coated nuts to prevent galling.   |
| <b>PRESSURE RATING:</b>                        | Maximum working pressure for gas service:<br>100 PSIG <sup>±</sup> (see footnote)<br>For steel pipe only. Not for use on full breaks or joining pipe.  |
| Material Specifications are subject to change. |  |

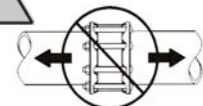
Unique Lug Design Provides Uniform Compression



Equalized Pressure Around the Pipe



**WARNING**



This product does not restrain axial pipe movement

| Standard                               |              |              | Catalog Number           |                       | Qty. Per Ctn. | Metric                             |          |              |
|--|--------------|--------------|--------------------------|-----------------------|---------------|------------------------------------|----------|--------------|
| Nominal Pipe Size and Pipe O.D. Inches | Width Inches | Wt. Ea. Lbs. | Electro-Galvanized Bolts | Stainless Steel Bolts |               | Nominal Pipe Size and Pipe O.D. MM | Width MM | Wt. Each Kg. |
| 1/2"<br>0.84                           | 3            | 0.80         | 244-00008403-000         | 244-00008403-001      | 16            | 15 mm<br>21.30                     | 76       | 0.36         |
|  | 6            | 1.60         | 244-00008406-000         | 244-00008406-001      | 10            |                                    | 152      | 0.73         |
|  | *12          | 3.20         | 244-00008412-000         | 244-00008412-001      | 6             |                                    | 305      | 1.45         |
| 3/4"<br>1.05                           | 3            | 0.85         | 244-00010503-000         | 244-00010503-001      | 12            | 20 mm<br>26.70                     | 76       | 0.39         |
|  | 6            | 1.70         | 244-00010506-000         | 244-00010506-001      | 8             |                                    | 152      | 0.77         |
|  | *12          | 3.40         | 244-00010512-000         | 244-00010512-001      | 9             |                                    | 305      | 1.54         |
| 1"<br>1.32                             | 3            | 0.90         | 244-00013203-000         | 244-00013203-001      | 12            | 25 mm<br>33.53                     | 76       | 0.41         |
|  | 6            | 1.80         | 244-00013206-000         | 244-00013206-001      | 8             |                                    | 152      | 0.82         |
|  | *12          | 3.60         | 244-00013212-000         | 244-00013212-001      | 9             |                                    | 305      | 1.63         |
| 1 1/4"<br>1.66                         | 3            | 0.95         | 244-00016603-000         | 244-00016603-001      | 12            | 32 mm<br>42.20                     | 76       | 0.43         |
|  | 6            | 1.95         | 244-00016606-000         | 244-00016606-001      | 6             |                                    | 152      | 0.88         |
|  | *12          | 3.90         | 244-00016612-000         | 244-00016612-001      | 6             |                                    | 305      | 1.77         |
| 1 1/2"<br>1.90                         | 3            | 1.00         | 244-00019003-000         | 244-00019003-001      | 10            | 40 mm<br>48.30                     | 76       | 0.45         |
|  | 6            | 2.00         | 244-00019006-000         | 244-00019006-001      | 6             |                                    | 152      | 0.91         |
|  | *12          | 4.00         | 244-00019012-000         | 244-00019012-001      | 6             |                                    | 305      | 1.81         |
| 2"<br>2.38                             | 3            | 1.60         | 244-00023803-000         | 244-00023803-001      | 8             | 50 mm<br>60.45                     | 76       | 0.73         |
|  | 6            | 3.20         | 244-00023806-000         | 244-00023806-001      | 6             |                                    | 152      | 1.45         |
|  | *12          | 6.40         | 244-00023812-000         | 244-00023812-001      | 4             |                                    | 305      | 2.90         |

<sup>±</sup>The allowable working pressure of a pipe repair clamp decreases as pipe diameter increases (regardless of manufacturer). For a particular installation, the allowable working pressure will be determined by the size of pipe, type of pipe, type of clamp, type and extent of damage, service, conditions, environmental conditions and installation workmanship.

**\*Do not Use 12" wide clamps to join pipe.**