

Smith-Blair® Clamp and Coupling products

for Gas Service

Smith-Blair®'s 244 Full Circle® Redi-Clamp® Pipe Repair Clamps provide a fast economical means of repairing pin holes, punctures, or splits in pipe. Applied to the plastic pipe which has been crimped, the 244 Pipe Repair Clamp serves as a support to the weakened area and marks that location for future reference. Innovative design, extensive testing, and state-of-the-art manufacturing techniques combine to produce the 244 with high performance characteristics.

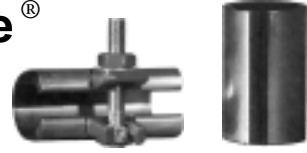
The gasket differs from the Smith-Blair® 245 Redi-Clamp® gasket in that it is a full circumferential gasket with two bonded and recessed armor plates. These plates allow the 244 Pipe Repair Clamp to perform similar to a full circle clamp sealing 360° around the pipe.

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.

Carbon steel bolts are electro-galvanized with di-chromate seal to resist corrosion and have a generous shoulder that assures a positive fit in the open slot to secure against turning during maximum tightening. Optional stainless steel bolts are available for area requiring the added corrosion resistance of stainless steel. The stainless steel nuts are teflon coated to resist galling.

244 Full Circle® Redi-Clamp®



U.S. Patent No. 4,676,275

244 Material Specifications

BANDS: Stainless Steel Type 304.

LUGS: Ductile Iron per ASTM 536.

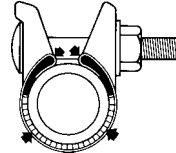
GASKET: Grade 60-Compounded Buna N to resist oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon fluids, water and many chemicals. (Contact Smith-Blair engineers on applications involving chemicals.) Temperatures -40° +180°F.

BOLTS & NUTS: Carbon Steel ASTM A307 electro-galvanized with di-chromate seal. Optional--304 stainless steel. Teflon coated nuts to prevent galling.

FINISH: Lugs are corrosion protected with epoxy coating.

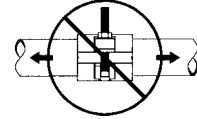
Material specifications are subject to change.

Unique Lug Design Provides
Uniform Compression



Equalized Pressure
Around the Pipe

WARNING



This product does not restrain
axial pipe movement

NOTE: May be used for water and gas applications except for gas plastic pipe repair. Suitable for restoring shape and marking crimped polyethylene gas service lines.

Nom. Pipe Size	O.D. In.	Width	Galvanized Bolts	Stainless Steel Bolts	Qty. Per Ctn.	Wt. Each Lbs.
			Catalog Number			
1/2"	.63	3	244-006303-000	244-006303-001	6	.70
		6	244-006306-000	244-006306-001	6	1.40
		12	244-006312-000	244-006312-001	6	2.80
	.84	3	244-008403-000	244-008403-001	6	.80
		6	244-008406-000	244-008406-001	6	1.60
		12	244-008412-000	244-008412-001	6	3.20
3/4"	.88	3	244-008803-000	244-008803-001	6	.80
		6	244-008806-000	244-008806-001	6	1.60
		12	244-008812-000	244-008812-001	6	3.20
	1.05	3	244-010503-000	244-010503-001	6	.85
		6	244-010506-000	244-010506-001	6	1.70
		12	244-010512-000	244-010512-001	6	3.40
1"	1.13	3	244-011303-000	244-011303-001	6	.87
		6	244-011306-000	244-011306-001	6	1.70
		12	244-011312-000	244-011312-001	6	3.40
	1.32	3	244-013203-000	244-013203-001	6	.90
		6	244-013206-000	244-013206-001	6	1.80
		12	244-013212-000	244-013212-001	6	3.60
1 1/4"	1.38	3	244-013803-000	244-013803-001	6	.90
		6	244-013806-000	244-013806-001	6	1.80
		12	244-013812-000	244-013812-001	6	3.60
	1.66	3	244-016603-000	244-016603-001	6	.95
		6	244-016606-000	244-016606-001	6	1.95
		12	244-016612-000	244-016612-001	6	3.90
1 1/2"	1.63	3	244-016303-000	244-016303-001	6	.95
		6	244-016306-000	244-016306-001	6	1.95
		12	244-016312-000	244-016312-001	6	3.90
	1.90	3	244-019003-000	244-019003-001	6	1.00
		6	244-019006-000	244-019006-001	6	2.00
		12	244-019012-000	244-019012-001	6	4.00
2"	2.13	3	244-021303-000	244-021303-001	6	1.30
		6	244-021306-000	244-021306-001	6	2.60
		12	244-021312-000	244-021312-001	6	5.20
	2.38	3	244-023803-000	244-023803-001	6	1.60
		6	244-023806-000	244-023806-001	6	3.20
		12	244-023812-000	244-023812-001	6	6.40

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

Please Note: The amount of pressure that a Full Circle® Redi-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 the extent of the damage, service conditions, environmental conditions and installation workmanship.

Maximum Working Pressure for Gas Service

.84" O.D. thru 2.38" O.D. 100 psig
For steel pipe only. Not for use on
full breaks

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