



245 Redi-Clamp®

For Gas Service



Smith-Blair's 245 Redi-Clamp provides a fast, economical means of repair for pin holes, punctures or splits in pipe. Innovative design, extensive testing and state-of-the-art manufacturing techniques are used to produce the 245 Redi-Clamp.

The 245's gasket has finely grided surfaces that conform to irregularities on the pipe surface and provide superior sealing on rough or pitted areas (smooth gaskets are available upon request). The band is stainless steel to provide corrosion resistance, flexibility and strength. The clamp's lugs are precision cast with a contoured surface to equalize clamping pressure around the pipe. The lug design includes a drop-in bolt feature that eliminates loose parts, saves time and aids installation under adverse conditions.

The bolts are electro-galvanized carbon steel with a dichromate seal to resist corrosion. They have a generous shoulder ensuring a positive fit in the open slot to secure against turning during maximum tightening.

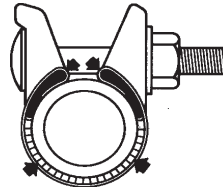
Material Specifications

- BANDS:** Stainless Steel Type 304
LUGS: Ductile Iron per ASTM A536.
GASKET: 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).
 Temperatures -20°F to +180°F.
NUTS & BOLTS: Carbon Steel SAE J429 electrogalvanized with di-chromate seal. Optional 304 stainless steel with Fluoropolymer coated nuts to prevent galling.
PRESSURE RATING: Maximum working pressure for gas service:
 0.84" - 4.50" OD 150 PSIG^α (see footnote)
 4.80" - 8.63" OD 60 PSIG^α (see footnote)
 10.00" -12.75" OD 35 PSIG^α (see footnote)

Material Specifications are subject to change.

The 245 style repair clamp will hold the noted pressure ratings as long as it is installed on steel pipe, repairing pinhole leaks and splits that do not propogate. Pinholes and splits should be no closer than 1" from the end of the gasket.

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



Unique Lug Design Provides Uniform Compression

Equalized Pressure Around the Pipe

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"	3	0.6	245-00008403-000	245-00008403-001	24	15 mm	76	0.30
	.84	1.3	245-00008406-000	245-00008406-001	12	21.33	152	0.60
3/4"	3	0.7	245-00010503-000	245-00010503-001	16	20 mm	76	0.30
	1.05	1.4	245-00010506-000	245-00010506-001	10	26.67	152	0.60
1"	3	0.7	245-00013203-000	245-00013203-001	16	25 mm	76	0.30
	1.32	1.5	245-00013206-000	245-00013206-001	10	33.52	152	0.70
1 1/4"	3	0.8	245-00016603-000	245-00016603-001	12	32 mm	76	0.40
	1.66	1.6	245-00016606-000	245-00016606-001	6	42.16	152	0.70
1 1/2"	3	0.9	245-00019003-000	245-00019003-001	12	40 mm	76	0.40
	1.90	1.9	245-00019006-000	245-00019006-001	8	48.26	152	0.90
2"	3	0.9	245-00020003-000	245-00020003-001	8	50 mm	76	0.40
	2.00	1.9	245-00020006-000	245-00020006-001	4	50.80	152	0.90
2"	3	1.0	245-00023803-000	245-00023803-001	8	50 mm	76	0.50
	6	2.0	245-00023806-000	245-00023806-001	4		152	0.90
	9	3.0	245-00023809-000	245-00023809-001	4		229	1.40
	12	4.0	245-00023812-000	245-00023812-001	4		305	1.80
2 1/2"	3	1.0	245-00028803-000	245-00028803-001	8	65 mm	76	0.50
	6	2.1	245-00028806-000	245-00028806-001	3		152	1.00
	9	3.1	245-00028809-000	245-00028809-001	4		229	1.40
	12	4.1	245-00028812-000	245-00028812-001	4		305	1.90
3"	3	1.2	245-00030003-000	245-00030003-001	6	80 mm	76	0.50
	6	2.5	245-00030006-000	245-00030006-001	3		152	1.10
	9	3.7	245-00030009-000	245-00030009-001	4		229	1.70
	12	5.0	245-00030012-000	245-00030012-001	4		305	2.30

1/4" thick gasket available upon request.

^αThe 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.