



227 Full Circle® Repair Clamps Double Band



Smith-Blair® 227 Double Band Full Circle® Repair Clamp provides a fast, economical means of repairing full circumferential breaks, holes, cracks or other types of damage to cast iron, steel, asbestos cement, copper, aluminum, plastic, fiberglass and other types of pipe. Full Circle® Repair Clamps feature a lap type gasket with molded tapered ends to provide efficient equalized sealing at the lap joint on any pipe within the clamp's range. The gasket has a finely grided surface with the resilience to easily conform to irregularities on rough pipe surfaces or in pitted areas, providing an effective seal all around the pipe.

A stainless steel bridge plate spans the opening of the lugs and is bonded flush into the gasket to prevent wrinkling in the lug area, providing even gasket pressure at all points around the full circumference of the pipe.

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

Lugs are securely attached to the stainless steel band, and have mutually supporting stabilizing fingers to permit maximum torquing of the bolts. The lug design includes a drop-in bolt feature that eliminates loose parts, saves time, and aids installation under adverse conditions.

The bolts and nuts are low alloy steel with rolled threads, double radius heads and a generous shoulder to prevent bolt rotation under maximum torque loading.

Material Specification

Band: Stainless Steel Type 304.
Lugs: Ductile Iron ASTM A536, 65-45-12.
Gasket: Nitrile (Buna N). Compounded to produce superior storage and performance characteristics while resisting water, acids, alkalies, most (aliphatic) hydrocarbon and many other chemicals. Nominal temperature range from -20°F to 180°F. Consult manufacturer for specific applications or other service temperatures.
Bridge Plate: Stainless steel recessed flush and bonded into gasket.
Bolts: High strength low-alloy steel with heavy semi-finished hexagon nuts Per ANSI B18.2.2. Optional 304 stainless steel bolts with fluoropolymer coated nuts to prevent galling. (Also available in metric sizes)

Material Specifications subject to change.

Note: HDPE Applications will require clamps with spring washers.

Band Width Inches	Number of Bolts	Bolt Sizes
7 1/2	6	Drop-in lug
10	8	5/8" x 6"
12 1/2	10	or 16mm x 152 mm
15	12	Closed lug
20	16	5/8" x 6 7/8"
30	24	or 16mm x 175mm

U.S.						Metric			
Nom. Size Inches	O. D. Range Inches	Width Inches	Wt. Each Lbs.	With Low Alloy Bolts & Nuts	With Stainless Steel Bolts & Nuts	Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
				Catalog Number					
3	3.49-4.29	7 1/2	17.9	227-00035007-000	227-00035007-001	80-100	89-108	190	8.2
		10	24.0	227-00035010-000	227-00035010-001			254	11.0
		12 1/2	29.9	227-00035012-000	227-00035012-001			317	13.8
		15	35.9	227-00035015-000	227-00035015-001			381	16.5
		20	47.8	227-00035020-000	227-00035020-001			508	22.0
		30	71.7	227-00035030-000	227-00035030-001			762	33.0
4	4.44-5.24	7 1/2	18.7	227-00045007-000	227-00045007-001	100	113-133	190	8.6
		10	25.3	227-00045010-000	227-00045010-001			254	11.6
		12 1/2	31.2	227-00045012-000	227-00045012-001			317	14.4
		15	36.6	227-00045015-000	227-00045015-001			381	16.8
		20	49.2	227-00045020-000	227-00045020-001			508	22.6
		30	73.8	227-00045030-000	227-00045030-001			762	33.9

227 Full Circle® Repair Clamps Double Band

U.S.						Metric			
Nom. Size Inches	O. D. Range Inches	Width Inches	Wt. Each Lbs.	With Low Alloy Bolts & Nuts	With Stainless Steel Bolts & Nuts	Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
				Catalog Number					
4	4.74-5.57	7 1/2	18.8	227-00048007-000	227-00048007-001	100-125	121-141	190	8.6
		10	25.1	227-00048010-000	227-00048010-001			254	11.5
		12 1/2	31.0	227-00048012-000	227-00048012-001			317	14.3
		15	36.9	227-00048015-000	227-00048015-001			381	17.0
		20	49.8	227-00048020-000	227-00048020-001			508	23.0
		30	74.7	227-00048030-000	227-00048030-001			762	34.4
6	6.62-7.42	7 1/2	19.9	227-00066307-000	227-00066307-001	150	169-188	190	9.2
		10	27.0	227-00066310-000	227-00066310-001			254	12.4
		12 1/2	33.2	227-00066312-000	227-00066312-001			317	15.3
		15	39.1	227-00066315-000	227-00066315-001			381	18.0
		20	52.8	227-00066320-000	227-00066320-001			508	24.3
		30	78.0	227-00066330-000	227-00066330-001			762	35.9
6	6.84-7.64	7 1/2	19.9	227-00069007-000	227-00069007-001	150	174-194	190	9.2
		10	27.0	227-00069010-000	227-00069010-001			254	12.4
		12 1/2	33.3	227-00069012-000	227-00069012-001			317	15.3
		15	39.2	227-00069015-000	227-00069015-001			381	18.0
		20	53.0	227-00069020-000	227-00069020-001			508	24.4
		30	78.5	227-00069030-000	227-00069030-001			762	36.1
8	8.62-9.42	7 1/2	21.7	227-00086307-000	227-00086307-001	200	219-239	190	10.0
		10	29.3	227-00086310-000	227-00086310-001			254	13.5
		12 1/2	35.7	227-00086312-000	227-00086312-001			317	16.4
		15	42.4	227-00086315-000	227-00086315-001			381	19.5
		20	56.4	227-00086320-000	227-00086320-001			508	25.9
		30	84.6	227-00086330-000	227-00086330-001			762	38.9
8	8.99-9.79	7 1/2	21.9	227-00090507-000	227-00090507-001	200	229-248	190	10.1
		10	29.7	227-00090510-000	227-00090510-001			254	13.7
		12 1/2	36.6	227-00090512-000	227-00090512-001			317	16.8
		15	42.6	227-00090515-000	227-00090515-001			381	19.6
		20	59.0	227-00090520-000	227-00090520-001			508	27.1
		30	86.0	227-00090530-000	227-00090530-001			762	39.6
10	10.75-11.55	10	31.2	227-00107510-000	227-00107510-001	250	273-293	254	14.4
		15	47.4	227-00107515-000	227-00107515-001			381	21.8
		20	63.2	227-00107520-000	227-00107520-001			508	29.1
		30	94.8	227-00107530-000	227-00107530-001			762	43.6
10	11.10-11.90	10	33.5	227-00111010-000	227-00111010-001	250	282-302	254	15.4
		15	47.5	227-00111015-000	227-00111015-001			381	21.9
		20	65.0	227-00111020-000	227-00111020-001			508	29.9
		30	97.5	227-00111030-000	227-00111030-001			762	44.9
10	11.04-12.24	10	33.5	227-00111010-050	227-00111010-051	250-300	280-311	254	15.4
		15	47.6	227-00111015-050	227-00111015-051			381	21.9
		20	65.2	227-00111020-050	227-00111020-051			508	30.0
		30	97.9	227-00111030-050	227-00111030-051			762	45.0
10	11.60-12.40	10	33.7	227-00116010-000	227-00116010-001	250-300	295-315	254	15.5
		15	47.9	227-00116015-000	227-00116015-001			381	22.0
		20	65.9	227-00116020-000	227-00116020-001			508	30.3
		30	98.3	227-00116030-000	227-00116030-001			762	45.2
12	12.75-13.55	10	33.0	227-00127510-000	227-00127510-001	300	324-344	254	15.2
		15	49.6	227-00127515-000	227-00127515-001			381	22.8
		20	65.0	227-00127520-000	227-00127520-001			508	29.9
		30	99.0	227-00127530-000	227-00127530-001			762	45.5
12	13.20-14.00	10	34.5	227-00132010-000	227-00132010-001	300-350	335-356	254	15.9
		15	49.9	227-00132015-000	227-00132015-001			381	23.0
		20	65.8	227-00132020-000	227-00132020-001			508	30.3
		30	99.9	227-00132030-000	227-00132030-001			762	46.0
12	13.14-14.34	10	34.5	227-00132010-050	227-00132010-051	300-350	334-364	254	15.9
		15	49.9	227-00132015-050	227-00132015-051			381	23.0
		20	65.9	227-00132020-050	227-00132020-051			508	30.3
		30	100.1	227-00132030-050	227-00132030-051			762	46.0
12	13.65-14.45	10	34.6	227-00136510-000	227-00136510-001	300-350	347-367	254	15.9
		15	50.0	227-00136515-000	227-00136515-001			381	23.0
		20	68.0	227-00136520-000	227-00136520-001			508	31.3
		30	102.0	227-00136530-000	227-00136530-001			762	46.9
12	13.65-14.85	10	34.6	227-00136510-050	227-00136510-051	300-350	347-377	254	15.9
		15	50.0	227-00136515-050	227-00136515-051			381	23.0
		20	68.0	227-00136520-050	227-00136520-051			508	31.3
		30	102.2	227-00136530-050	227-00136530-051			762	46.9

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