



234 Tapped Full Circle® Repair Clamp Single Band



1 1/4", 1 1/2" and 2" NPT Taps - Low Alloy Bolts and Nuts

Standard				Catalog Number			Metric			
Nom. Size Inches	O.D. Range Inches	Width Inches	Wt. Each Lbs.	1 1/4" NPT/32 MM	1 1/2" NPT/40 MM	2" NPT/50 MM	Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
				4	4.45-4.73 4.74-5.14	12 1/2 12 1/2				
6	6.56-6.96 6.84-7.24	12 1/2 12 1/2	19.2 19.2	234-066312-010 234-069012-010	234-066312-012 234-069012-012	234-066312-014 234-069012-014	150 200	174-183 217-227	317 317	8.7 8.7
	8	8.54-8.94 8.99-9.39	12 1/2 12 1/2	21.4 21.4	234-086312-010 234-090512-010	234-086312-012 234-090512-012	234-086312-014 234-090512-014	200 200	229-238 229-238	317 317

NOTE: NOT recommended for PE pipe applications.

235 Tapped Full Circle® Repair Clamp Super Range Double Band



Smith-Blair 235 Double Tapped Full Circle® Repair Clamps provide a fast, economical means of repairing a damaged or broken pipe at broken or torn out service connections, or branch lines. The repairs can be made and the service connection or branch line restored in one operation. The clamps can also be used for new installations of service connections or branch lines.

The stainless steel outlet is welded to the band and is available with NPT threads. The double band configuration enables the clamp to have a greater size range than single band clamps. A single clamp will fit a variety of the types and classes of pipe in each nominal pipe size, 4 inch through 12 inch.

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 gridded surface with the resilience to easily conform to irregularities on rough pipe surfaces or 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, 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 Specifications

Band:	Stainless Steel Type 304
Lugs:	Ductile Iron ASTM A536, 65-45-12.
Gasket:	Nitrile (Buna N). Specially compounded NBR rubber to resist oil, acids alkalies, most (aliphatic) hydro-carbon fluids, water and many 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 (ANSI A21.11) with heavy semi-finished hexagon nuts ASTM A563. Optional 304 stainless steel bolts with fluoropolymer coated nuts to prevent galling.

Material specifications are subject to change.

Band Width Inches	Number of Bolts	Bolt Sizes
7 1/2	6	Drop-in lug 5/8" x 6"
12 1/2	10	Closed lug 5/8" x 6 7/8"



235 Tapped Full Circle® Repair Clamp

Super Range Double Band



3/4" and 1" NPT Taps - Low Alloy Bolts and Nuts

Standard				Catalog Number		Metric			
Nom. Size Inches	O.D. Range Inches	Width Inches	Wt. Each Lbs.	Catalog Number		Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
				3/4" NPT/20 MM	1" NPT/25 MM				
4	4.44-5.24	7 1/2	18.6	235-045007-006	235-045007-008	100	113-133	190	8.4
	4.44-5.24	12 1/2	31.0	235-045012-006	235-045012-008		113-133	317	14.1
6	6.62-7.42	7 1/2	20.3	235-066307-006	235-066307-008	150	168-188	190	9.2
	6.62-7.42	12 1/2	33.9	235-066312-006	235-066312-008		168-188	317	15.4
	6.84-7.64	7 1/2	20.3	235-069007-006	235-069007-008		174-194	190	9.2
	6.84-7.64	12 1/2	33.9	235-069012-006	235-069012-008		174-194	317	15.4
8	8.62-9.42	7 1/2	22.0	235-086307-006	235-086307-008	200	219-239	190	10.0
	8.62-9.42	12 1/2	36.0	235-086312-006	235-086312-008		219-239	317	16.3
	8.99-9.79	7 1/2	22.0	235-090507-006	235-090507-008		229-248	190	10.0
	8.99-9.79	12 1/2	36.0	235-090512-006	235-090512-008		229-248	317	16.3
10	10.75-11.55	10	31.2	235-107510-006	235-107510-008	250	273-293	254	14.2
	10.75-11.55	15	47.4	235-107515-006	235-107515-008		273-293	381	21.5
	11.10-11.90	10	33.5	235-111010-006	235-111010-008		282-302	254	14.2
	11.10-11.90	15	42.5	235-111015-006	235-111015-008		282-302	381	21.5
12	12.75-13.55	12 1/2	33.0	235-127510-006	235-127510-008	300	324-344	254	15.0
	12.75-13.55	12 1/2	49.6	235-127515-006	235-127515-008		324-344	381	22.5
	13.20-14.00	12 1/2	34.5	235-132010-006	235-132010-008		335-355	254	15.0
	13.20-14.00	12 1/2	49.9	235-132015-006	235-132015-008		335-355	381	22.5

1 1/4", 1 1/2" and 2" NPT Taps - Low Alloy Bolts and Nuts

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6	6.62-7.42	12 1/2	33.9	235-066312-010	235-066312-012	235-066312-014	150	168-188	317	15.4
	6.62-7.42	12 1/2	33.9	235-069012-010	235-069012-012	235-069012-014		174-194	317	15.4
8	8.62-9.42	12 1/2	36.0	235-086312-010	235-086312-012	235-086312-014	200	219-239	317	16.3
	8.99-9.79	12 1/2	36.0	235-090512-010	235-090512-012	235-090512-014		229-248	317	16.3
10	10.75-11.55	10	31.2	235-107510-010	235-107510-012	235-107510-014	250	273-293	254	14.2
	10.75-11.55	15	47.4	235-107515-010	235-107515-012	235-107515-014		273-293	381	21.5
	11.10-11.90	10	33.5	235-111010-010	235-111010-012	235-111010-014		282-302	254	15.2
	11.10-11.90	15	47.5	235-111015-010	235-111015-012	235-111015-014		282-302	381	21.5
12	12.75-13.55	10	33.0	235-127510-010	235-127510-012	235-127510-014	300	324-344	254	15.0
	12.75-13.55	15	49.6	235-127515-010	235-127515-012	235-127515-014		324-344	381	22.5
	13.20-14.00	10	34.5	235-132010-010	235-132010-012	235-132010-014		335-355	254	15.6
	13.20-14.00	15	49.9	235-132015-010	235-132015-012	235-132015-014		335-355	381	22.6

NOTE: NOT recommended for PE pipe applications.