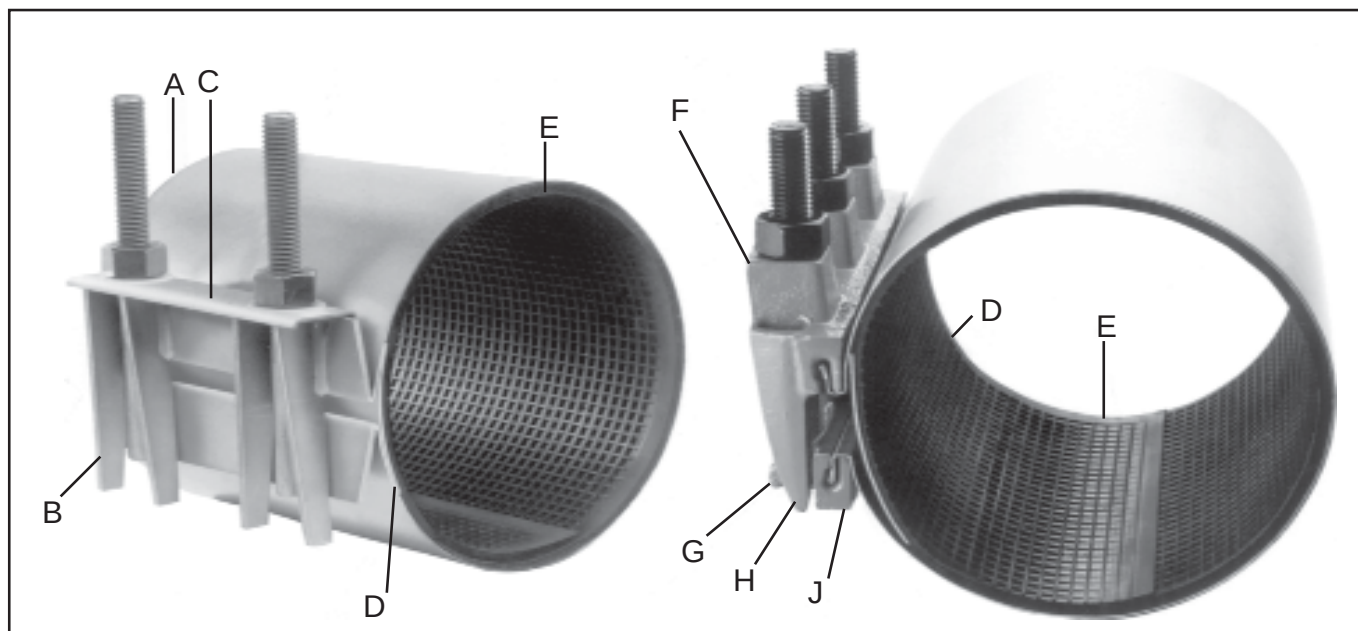


General Information



A Full circumference single or multiple section stainless steel bands are available in 7 1/2", 10", 15", 20" and 30" widths to fit virtually all types and sizes of pipe up to 12" in diameter.

B All weldments including studs, sidebars and fingers are constructed of premium grade stainless steel to minimize the possibility of corrosion.

C Smith-Blair's exclusive "C" shaped keeper bar permits fast run-down of nuts against the clamps weldments while equalizing tension along the full length of the clamp.

D Bridge plate flush mounted and bonded to the gasket assures even distribution of gasket pressure and prevents crimping.

E Gridded, tapered, overlapping gasket design offers

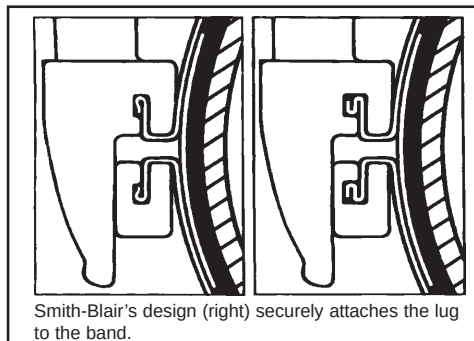
excellent full circumference sealing and full adjustment to rough pipe surfaces.

F A special high-strength ductile iron alloy lug utilizes a strength efficient computer-aided design that's not only stronger, but also lighter and easier to install. Lugs are Flexi-Coat epoxy coated.

G Drop-in, self-securing bolts eliminate loose parts, save time and make installation possible with only one wrench.

H Lugs with mutually supporting sliding fingers to assure proper bolt alignment while tightening. Permits maximum torque without bending of bolts.

J The band locking system uses a unique lug core design and a band hemming process that resists pull-out and provides maximum band retention.



Electrical Conductivity Buttons

Copper electrical conductor buttons are available for most 200 series Full Circle® Repair Clamps for Gas Service. Factory installed conductor buttons are glued between the gasket and the stainless steel band with contact buttons protruding through specially prepared gaskets to accommodate cathodic protection.

When ordering clamps with factory installed conductor buttons, change the first digit of the last three digits in the catalog number to a 7.

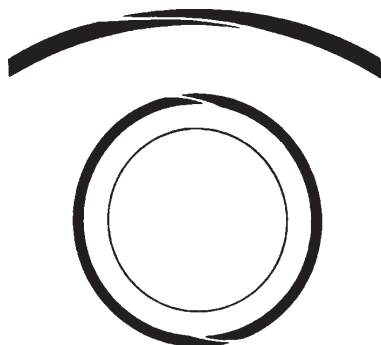
XXX-XXXXXX-700 Conductor buttons and low alloy bolts.
XXX-XXXXXX-701-Conductor buttons and stainless steel bolts.
XXX-XXXXXX-099 Extra nut for anode attachment.
XXX-XXXXXX-799 Conductor strips and extra nut.



EXAMPLES:

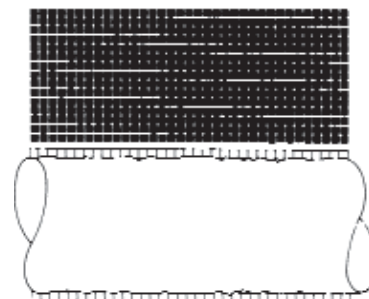
Smith-Blair Repair Clamps seal positively and effectively

Tapered and Lapped Gaskets



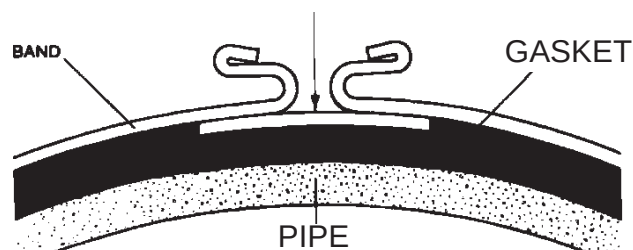
Smith-Blair tapered, lapped gaskets provide a continuous and uniform seal over the full O.D. range of the clamp.

Finely Grided Gasket



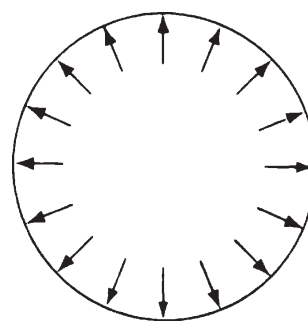
Smith-Blair finely grided gaskets have 16 grids to the square inch; form a series of dams to conform to irregularities on the pipe surface; and seal effectively against rough or pitted surfaces to prevent development of a leak path.

Smith-Blair Recessed Bridge Plate Bonded-In Recessed Bridge Plate



Smith-Blair® bridge plates are precision set, flush mounted and securely bonded into the gasket during the molding operation. This provides a smooth surface, which insures a 100% encirclement of uniform gasket pressure. A dependable method of sealing.

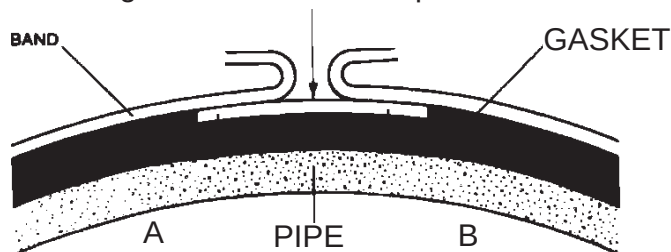
Uniform Distribution of Gasket Pressure



There is a uniform distribution of gasket pressure over the entire circumference of the pipe.

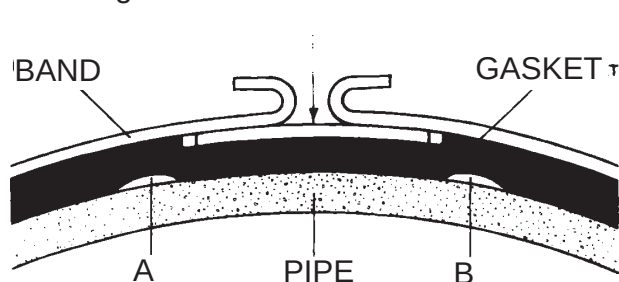
Other Methods of Bridge Plate

Bridge Plate Glued on Top of Gasket



Bridge plates attached to the clamp band or glued to the outside of the gasket have exposed metal edges that hold the band away from the gasket, setting up low pressure points as in "A" and "B" above, which are potential leak paths. The exposed metal edge can also hang up on the clamp band and impede tightening of the clamp.

Bridge Plate Glued in Molded Recess



Bridge plates that are glued into recesses formed in the gasket during molding, may not fit the recess properly. There may be void spaces that create low pressure points, as at "A" and "B" above which are potential leak points.



258 Full Circle® Repair Clamp

Single Band

All Stainless Steel, Cast Lugs



Smith-Blair 258 Full Circle® Repair Clamps, designed especially for HOT SOIL or other aggressive environments, provide a fast, economical means of repairing damage on cast iron, steel and other types of pipes.

The lugs are securely attached and have mutually supporting fingers to permit maximum torque of the bolts.

The gasket is a lap type with molded tapered ends and a finely gridded surface to conform to irregularities on the pipe surface.

The bridge plate is molded flush into the gasket to prevent wrinkling in the lug area and endure uniform full circumferential sealing.

Bolts and nuts are Type 304 Stainless Steel. The stainless steel nuts and bolts are coated to prevent galling.

Material Specifications

Band:	Stainless Steel Type 304
Lugs:	CF8 austenetic cast stainless steel (304 Equivalent).
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 & Nuts:	Type 304 Stainless Steel with rolled threads. The Stainless steel nuts and bolts are fluoro-polymer coated to prevent galling.

Material specifications are subject to change.

Band Width Inches	Number of Bolts	Bolt Sizes
7 1/2	2	5/8"
15	4	
22 1/2	6	

Standard				Catalog Number	Metric			
Nom. Size Inches	O.D. Range Inches	Width Inches	Wt. Each Lbs.		Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
2	2.25-2.50	7 1/2 15	7.0 13.0	258-022507-000 258-022515-000	50	58-63 58-63	190 381	3.2 5.9
2	2.35-2.63	7 1/2 15	5.6 13.0	258-023807-000 258-023815-000	50	60-66 60-66	190 381	2.5 5.9
2 1/4-2 1/2	2.70-3.00	7 1/2 15	6.5 13.0	258-027507-000 258-027515-000	65	69-76 69-76	190 381	2.9 5.9
3	3.36-3.60	7 1/2 15	6.3 16.0	258-033607-000 258-033615-000	80	86-91 86-91	190 381	2.9 7.3
3	3.46-3.70	7 1/2 15	8.0 16.0	258-035007-000 258-035015-000	80	88-93 88-93	190 381	3.6 7.3
3	3.73-4.00	7 1/2 15	8.2 16.0	258-037507-000 258-037515-000	80	95-101 95-101	190 381	3.7 7.3
4	4.32-4.60	7 1/2 15	8.0 17.0	258-043207-000 258-043215-000	100	110-116 110-116	190 381	3.6 7.7
4	4.45-4.73	7 1/2 15	8.0 18.0	258-045007-000 258-045015-000	100	114-120 114-120	190 381	3.6 8.2
4	4.74-5.14	7 1/2 15 20	8.8 18.0 26.7	258-048007-000 258-048015-000 258-048022-000	100	121-130 121-130 121-130	190 381 572	4.0 8.2 12.1
6	6.40-6.80	7 1/2 15 20	9.7 18.0 27.6	258-064007-000 258-064015-000 258-064022-000	150	163-172 163-172 163-172	190 317 381	4.4 8.2 12.5
6	6.56-6.96	7 1/2 15 20	9.5 18.5 27.6	258-066307-000 258-066315-000 258-066322-000	150	167-176 167-176 167-176	190 317 381	4.3 8.4 12.5

NOTE: NOT recommended for PE pipe applications.



258 Full Circle® Repair Clamp

Single Band

All Stainless Steel, Cast Lugs



Standard				Catalog Number	Metric			
Nom. Size Inches	O.D. Range Inches	Width Inches	Wt. Each Lbs.		Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
6	6.84-7.24	7 1/2	9.9	258-069007-000	150	174-183	190	4.5
		15	19.8	258-069015-000			317	9.0
		22 1/2	29.7	258-069022-000			381	13.5
8	8.38-8.78	7 1/2	13.3	258-083807-000	200	213-223	190	6.0
		15	13.3	258-083815-000			317	6.0
		22 1/2	36.9	258-083822-000			381	16.7
8	8.54-8.94	7 1/2	11.9	258-086307-000	200	217-227	190	5.4
		15	24.6	258-086315-000			317	11.2
		22 1/2	36.9	258-086322-000			381	16.7
8	8.99-9.39	7 1/2	12.5	258-090507-000	200	229-238	190	5.7
		15	24.6	258-090515-000			317	11.2
		22 1/2	36.9	258-090522-000			381	16.7
10	10.60-11.00	7 1/2	12.9	258-106007-000	250	270-279	190	5.9
		15	25.8	258-106015-000			317	11.7
		22 1/2	38.7	258-106022-000			381	17.6
10	10.64-11.04	7 1/2	12.9	258-107507-000	250	271-280	190	5.9
		15	25.8	258-107515-000			317	11.7
		22 1/2	38.7	258-107522-000			381	17.6
10	11.04-11.44	7 1/2	13.9	258-111007-000	250	281-290	190	6.3
		15	27.8	258-111015-000			317	12.6
		22 1/2	41.7	258-111022-000			381	18.9
12	12.60-13.00	7 1/2	14.9	258-126007-000	300	321-330	190	6.8
		15	29.8	258-126015-000			317	13.5
		22 1/2	44.7	258-126022-000			381	22.3
12	13.10-13.50	7 1/2	14.9	258-132007-000	300	333-342	190	6.8
		15	29.8	258-132015-000			317	13.5
		22 1/2	44.7	258-132022-000			381	22.3
12	14.00-14.40	7 1/2	15.9	258-140007-000	300	356-365	190	7.2
		15	31.8	258-140015-000			317	14.4
		22 1/2	47.7	258-140022-000			381	21.6

NOTE: Widths up to 30" available on request.
NOT recommended for PE pipe applications.