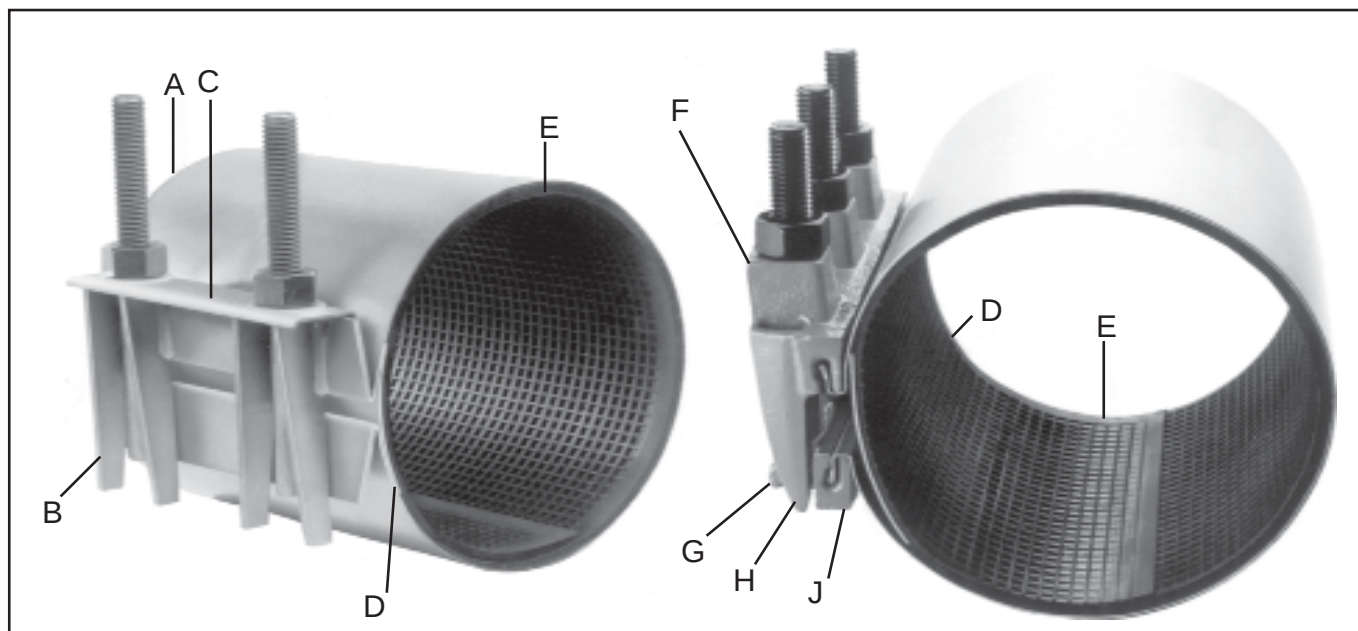


General Information



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

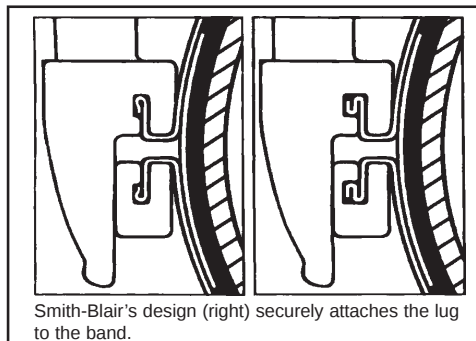
excellent full circumferential sealing and full adjustment to rough pipe surfaces.

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.

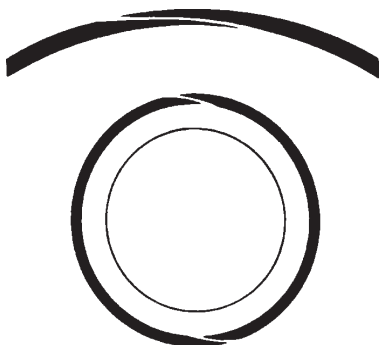
XXX-XXXXXX-700 Conductor buttons and low alloy bolts.
XXX-XXXXXX-701-Conductor buttons and stainless steel bolts.
XXX-XXXXXX-099 Extra nut for anode attachment.
XXX-XXXXXX-799 Conductor strips and extra nut.



EXAMPLES:

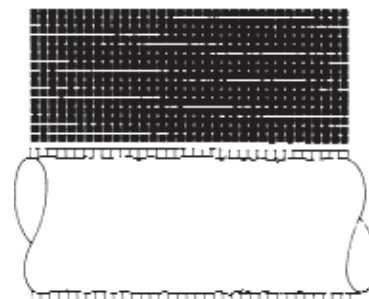
Smith-Blair Repair Clamps seal positively and effectively

Tapered and Lapped Gaskets



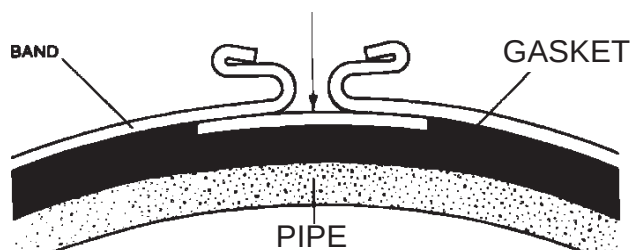
Smith-Blair tapered, lapped gaskets provide a continuous and uniform seal over the full O.D. range of the clamp.

Finely Grided Gasket



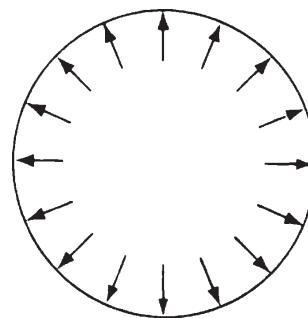
Smith-Blair finely grided gaskets have 16 grids to the square inch; form a series of dams to conform to irregularities on the pipe surface; and seal effectively against rough or pitted surfaces to prevent development of a leak path.

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.

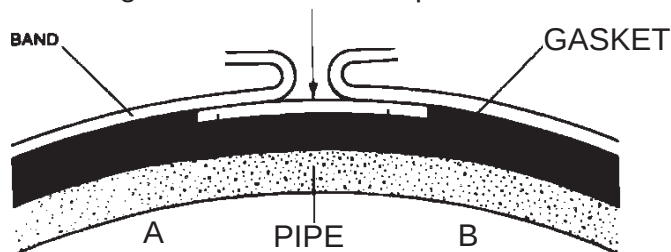
Uniform Distribution of Gasket Pressure



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

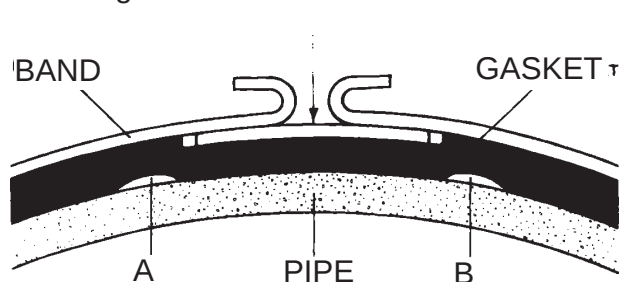
Other Methods of Bridge Plate

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.



266 Tapped Full Circle® Repair Clamp

Double Band

All Stainless Steel



Smith-Blair® 266 Double Band Tapped Full Circle® All Stainless Steel Repair Clamps offer the advantage of greater size range over single band clamps. Each clamp has the capability to fit a wide variety of types and classes of pipe within a nominal pipe size, thus reducing stock requirements. The clamps are also able to repair damaged or broken service connections or branch lines. Repairs can be made and service connections or branch lines restored in one operation. They can also be used for new installations of service connections or branch lines and are designed for use on pipe from 4" to 12" nominal size.

Band Width Inches	Number of Studs	Stud Sizes
7 1/2	4	5/8" x 7"
12 1/2	6	

Material Specifications

Band:	Stainless Steel Type 304
Lugs:	Stainless Steel Type 304
Keeper Bars:	Stainless Steel Type 304
Gasket:	Nitrile (Buna N). Specially compounded 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.
Stud Bolts:	Stainless Steel Type 304, coated to prevent galling
Nuts:	Stainless Steel Type 304 fluoropolymer coated nuts to prevent galling.

Material specifications are subject to change.

3/4" and 1" NPT Taps

Standard				Catalog Number		Metric			
Nom. Size Inches	O.D. Range Inches	Width Inches	Wt. Each Lbs.	3/4" NPT/20 MM	1" NPT/25 MM	Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
4	4.44-5.25	7 1/2 12 1/2	9.9 16.2	266-20045007-006 266-20045012-006	266-20045007-008 266-20045012-008	100	113-133	190 317	4.5 7.4
6	6.62-7.42	7 1/2 12 1/2	11.3 18.5	266-20066307-006 266-20066312-006	266-20066307-008 266-20066312-008	150	168-189	190 317	5.1 8.4
6	6.84-7.64	7 1/2 12 1/2	11.4 18.7	266-20069007-006 266-20069012-006	266-20069007-008 266-20069012-008	150	174-194	190 317	5.2 8.5
8	8.62-9.42	7 1/2 12 1/2	13.0 21.3	266-20086307-006 266-20086312-006	266-20086307-008 266-20086312-008	200	219-239	190 317	5.9 9.7
8	8.99-9.79	7 1/2 12 1/2	13.6 22.3	266-20090507-006 266-20090512-006	266-20090512-008 266-20090512-008	200	229-248	190 317	6.2 10.1
10	10.75-11.55	12 1/2	26.4	266-20107512-006	266-20107512-008	250	273-293	317	12
10	11.10-11.90	12 1/2	26.7	266-20111012-006	266-20111012-008	250	282-302	317	12.1
12	12.75-13.55	12 1/2	29.3	266-20127512-006	266-20127512-008	300	324-344	317	13.3
12	13.20-14.00	12 1/2	29.5	266-20132012-006	266-20132012-008	300	335-355	317	13.4

1 1/4", 1 1/2" and 2" NPT Taps

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/40MM	2" NPT/50 MM	Nom. Size MM	O.D. Range MM	Width MM	Wt. Each Kg.
4	4.44-5.25	7 1/2 12 1/2	9.9 16.2	266-20045007-010 266-20045012-010	266-20045007-012 266-20045012-012	- -	100	113-133	190 317	4.5 7.4
6	6.62-7.42	7 1/2 12 1/2	11.3 18.5	266-20066307-010 266-20066312-010	266-20066307-012 266-20066312-012	- 266-20066312-014	150	168-189	190 317	5.1 8.4
6	6.84-7.64	7 1/2 12 1/2	11.4 18.7	266-20069007-010 266-20069012-010	266-20069007-012 266-20069012-012	- 266-20069012-014	150	174-194	190 317	5.2 8.5
8	8.62-9.42	7 1/2 12 1/2	13.0 21.3	226-20086307-010 266-20086312-010	226-20086307-012 266-20086312-012	- 266-20086312-014	200	219-239	190 317	5.9 9.7
8	8.99-9.79	7 1/2 12 1/2	13.6 22.3	266-20090507-010 266-20090512-010	266-20090507-012 266-20090512-012	- 266-20090512-014	200	229-248	190 317	6.2 10.1
10	10.75-11.55	12 1/2	26.4	266-20107512-010	266-20107512-012	266-20107512-014	250	273-293	317	12
10	11.10-11.90	12 1/2	26.7	266-20111012-010	266-20111012-012	266-20111012-014	250	282-302	317	12.1
12	12.75-13.55	12 1/2	29.3	266-20127512-010	266-20127512-012	266-20127512-014	300	324-344	317	13.3
12	13.20-14.00	12 1/2	29.5	266-20132012-010	266-20132012-012	266-20132012-014	300	335-355	317	13.4

Other Full Circle® Clamps are available with tapped outlets.

NOTE: NOT recommended for PE pipe applications.