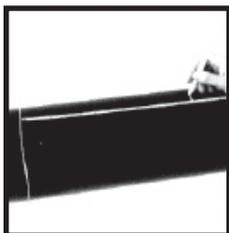




Installation Instructions
Type 221, 225, 226, 234, 238 and 256
Single Band Clamp
Full Circle Clamp Couplings

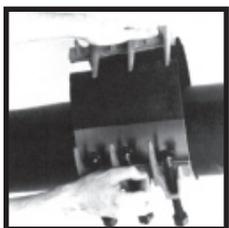
Step 1

Thoroughly clean the pipe where the clamp will be installed.



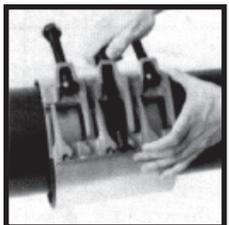
Step 2

If conditions permit, place a reference mark on the pipe a measured distance from the center of the break or damaged area.



Step 3

Place the clamp around the pipe, centered over the break or damaged area, with the gasket flap at the top.



Step 4

Tuck the gasket flap in place and mesh the lug fingers. Engage the centermost bolt(s) in the drop lugs and tighten finger tight.



Step 5

Rotate the clamp to insure proper seating of the gasket, and position the bolts and nuts for convenient tightening.

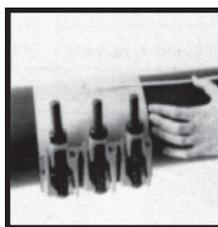
Step 6

Tighten the bolts working from the center outward. Completely tightening the center bolt will usually stop or sufficiently retard the leakage to simplify completion of the installation.



Step 7

When bolts have been tightened sufficiently to stop the leakage, measure from the reference mark (Instruction 2) to the center of the clamp to see if the clamp is properly positioned over the break or damaged area. Loosen the bolts and reposition the clamp if necessary.



Step 8

Recheck the tightness, and torque the bolts as evenly as possible.

DO NOT EXCEED LISTED BOLT TORQUES:

- Through 4.73 O.D. - 50 ft. lbs.
- Above 4.73 O.D. - 70 ft. lbs.

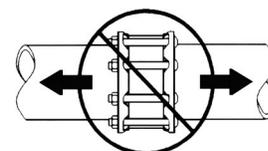
(Note: The clamp may be assembled beside the break or damaged area and slid into position, if the pipe surface is wet or has been lubricated.)

*When a gap between the ends of the pipe is 1 inch or greater, a short section of pipe should be put in the opening or a thin strip of sheet metal wrapped around it to provide support to the gasket. Use discretion on larger pipe O.D.s.

**When a section of pipe wall is equal to 40% or more of the pipe circumference is broke away, a section of sheet metal should be placed over the opening to provide a sealing surface for the gasket.



WARNING:
 These products do not restrain
 against axial pipe movement





Installation Instructions
on Polyethylene Pipe - No Gas Service
Type 226, 238 and 256
Single Band Clamp
Full Circle Clamp Couplings

Smith-Blair Belleville Washers (P/N 150115-000) must be used on P.E. pipe installations. Use of any other type of spring washer may cause product failure.

Step 1

Thoroughly clean the pipe where the clamp will be installed.

Step 2

If conditions permit, place a reference mark on the pipe a measured distance from the center of the damaged area.

Step 3

Place the clamp around the pipe, centered over the damaged area, with the gasket flap at the top.

Step 4

Tuck the gasket flap in place and mesh the lug fingers. Engage the centermost bolt(s) in the drop lugs, and tighten finger tight.

(Note: The clamp may be assembled beside the damaged area and slid into position, if the pipe surface is wet or has been lubricated.)

Step 5

Rotate the clamp to insure proper seating of the gasket, and position the bolts and nuts for convenient tightening.

Step 6

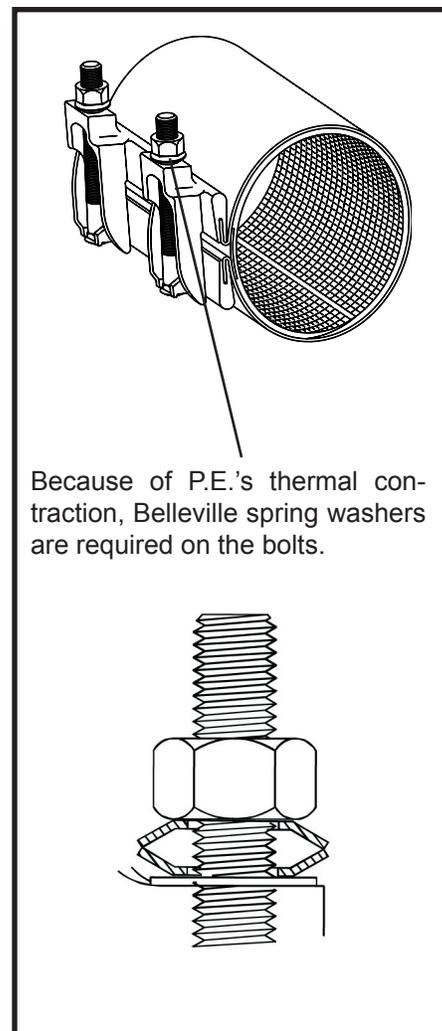
Tighten the bolts working from the center outward. Completely tightening the center bolts will usually stop or sufficiently retard the leakage to simplify completion of the installation.

Step 7

When bolts have been tightened sufficiently to stop the leakage, measure from the reference mark (Step 2 other side) to the center of the clamp to see if the clamp is properly positioned over the damaged area. Loosen the bolts and reposition the clamp if necessary.

Step 8

Recheck the tightness and torque the bolts as evenly as possible.



Because of P.E.'s thermal contraction, Belleville spring washers are required on the bolts.

DO NOT EXCEED BOLT TORQUES LISTED BELOW:

- Through 3.50 O.D. - 25 ft. lbs.
- Above 4.00 O.D. - 45 ft. lbs.

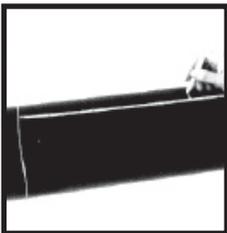
Use of this product on POLYETHYLENE PIPE is limited to: 1.25" - 14" Nominal P.E. Pipe with a standard dimension ratio (DR) of 17 or less.



INSTRUCCIONES PARA SU INSTALACIÓN
Tipo 221, 225, 226, 234, 238 y 256
Abrazaderas de Banda Sencilla Coples
Tipo Abrazadera de Círculo Completo

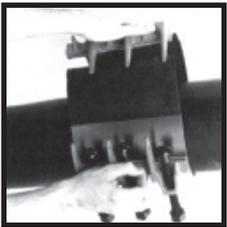
Punto 1

Limpie perfectamente la tubería en donde la abrazadera será instalada.



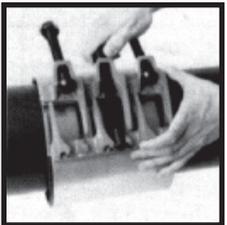
Punto 2

Si las condiciones lo permiten ponga una marca de referencia en la tubería que coincida con el centro de la ruptura o área dañada.



Punto 3

Coloque la abrazadera alrededor de la tubería de manera centrada conforme a la marca sobre la ruptura o área dañada con la junta del empaque en la parte superior.



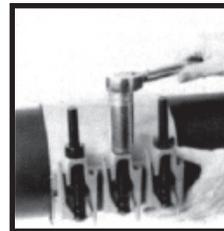
Punto 4

Cubra con la hoja del empaque y el acoplamiento en el lugar dañado empleando la fuerza de los dedos. Utilizando la mayor parte saliente de los pernos ajuste en los soportes y apriete firmemente con los dedos.



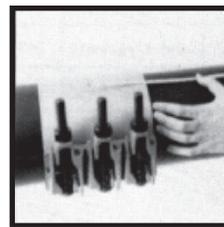
Punto 5

Rote la abrazadera para asegurar el ajuste apropiado del empaque, coloque los pernos y las tuercas para realizar el ajuste conveniente.



Punto 6

Apriete los pernos del centro hacia fuera. Ajustando completamente el perno central generalmente detendrá o retardará suficientemente la fuga para simplificar la terminación de la instalación.



Punto 7

Cuando los pernos se han apretado lo suficiente para detener la fuga, cheque si la marca de referencia (punto 2) se encuentra en el centro de la abrazadera y vea si la abrazadera se encuentra instalada correctamente sobre la ruptura o área dañada. Afloje los pernos y coloque la abrazadera de nuevo en caso de ser necesario.

Paso 8

Vuelva a inspeccionar la hermeticidad y apriete los pernos tan uniformemente como sea posible.

- NO EXCEDA LOS ESFUERZOS DE TORSIÓN DE LOS PERNOS CONFORME A LO SIGUIENTE:**
- Hasta 4.73 pulgadas de diámetro externo - 50 ft. lbs.
 - Arriba de 4.73 pulgadas de diámetro externo- 70 ft.

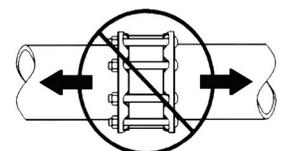
(Nota: La abrazadera se puede montar al lado de la ruptura o área dañada y resbalará de esa posición si la superficie de la tubería se encuentra mojada o se ha lubricado).

lbs.*Cuando un orificio entre los extremos de la tubería es de 1 pulgada o mayor, una sección corta de tubería podrá ser colocada o una tira fina de metal que envuelva alrededor la tubería para proporcionar un soporte a la junta. Use con discreción en tuberías de grandes diámetros externos.

**Cuando una sección de pared de la tubería igual al 40% o más de la circunferencia de la tubería se encuentra rota, una sección de hoja metálica se debe de colocar sobre la ruptura para proporcionar una superficie de sello a la junta.



ADVERTENCIA:
 Este producto no frena el movimiento axial de la tubería.





**INSTRUCCIONES PARA SU INSTALACIÓN
EN TUBERÍAS DE POLIETILENO
(NO SE USE EN SERVICIO DE GAS)
TIPO 226, 238 Y 256
ABRAZADERAS DE BANDA SENCILLA COPLES
TIPO ABRAZADERA DE CÍRCULO COMPLETO**

Smith-Blair Arandelas Belleville (NO. DE PARTE 150115-000) deberá ser usada en instalaciones de tubería de P. E. El uso de cualquier otro tipo de arandela de resorte podrá causar fallas en el producto.

Punto 1

Limpie perfectamente la tubería en donde la abrazadera será instalada.

Punto 2

Si las condiciones lo permiten ponga una marca de referencia en la tubería que coincida con el centro de la ruptura o área dañada.

Punto 3

Coloque la abrazadera alrededor de la tubería de manera centrada conforme a la marca sobre la ruptura o área dañada con la junta del empaque en la parte superior.

Punto 4

Cubra con la hoja del empaque y el acoplamiento en el lugar dañado empleando la fuerza de los dedos. Utilizando la mayor parte saliente de los pernos ajuste en los soportes y apriete firmemente con los dedos.

(Nota: La abrazadera se puede montar al lado de la ruptura o área dañada y resbalará de esa posición si la superficie de la tubería se encuentra mojada o se ha lubricado).

Punto 5

Rote la abrazadera para asegurar el ajuste apropiado del empaque, coloque los pernos y las tuercas para realizar el ajuste conveniente.

Punto 6

Apriete los pernos del centro hacia fuera. Ajustando completamente el perno central generalmente detendrá o retardará suficientemente la fuga para simplificar la terminación de la instalación.

Punto 7

Cuando los pernos se han apretado lo suficiente para detener la fuga, cheque si la marca de referencia (punto 2) se encuentra en el centro de la abrazadera y vea si la abrazadera se encuentra instalada correctamente sobre la ruptura o área dañada. Afloje los pernos y coloque la abrazadera de nuevo en caso de ser necesario.

Punto 8

Vuelva a inspeccionar la hermeticidad y apriete los pernos tan uniformemente como sea posible.



Porque la contracción del polietileno requiere el uso de arandelas Belleville en los pernos.

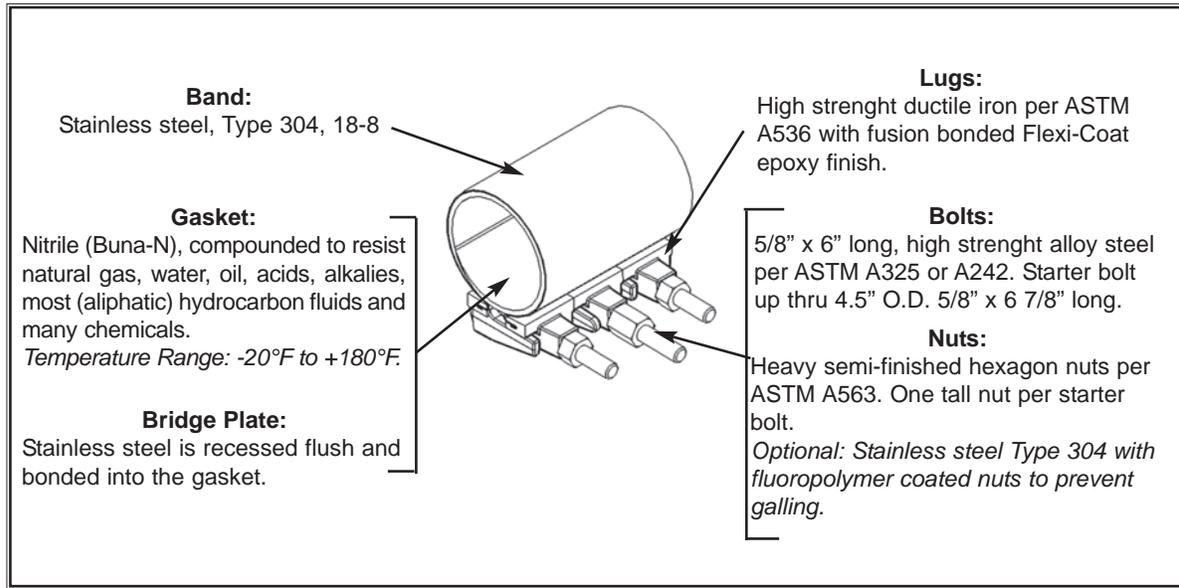
NO EXCEDA LOS ESPUERZOS DE TORSIÓN
DE LOS PERNOS CONFORME A LO SIGUIENTE:

- Hasta 3.50 pulgadas de diámetro externo - 25 ft. lbs.
- Arriba de 4.00 pulgadas de diámetro externo - 45 ft. lbs.

Nota: El uso de éste producto en TUBERÍAS DE POLIETILENO está limitado a un diámetro nominal de tuberías de polietileno de 1.25" - 14". Tuberías con una relación de dimensiones estándar de 17 o menores.

Full Circle Repair Clamps 221, 226, 227 and 228

Product Specifications



Features:

- Removable lugs to allow installation in tight spaces.
- May be used to join plain end pipe of the same diameter.
- 18-8 Type 304 Stainless Steel band for corrosion resistance.
- Standard widths 7.5" through 30" (*product 221 is 5" standard*).
- A 360° gasket seal provides maximum support and reinforcement.
- Lugs have a fusion bonded Flexi-Coat epoxy coating for corrosion resistance.
- Repair or join pipes in a wide variety of sizes and widths to fit your application.
- One starter (longer) bolt minimum per clamp thru 4.5" O.D. sizes to help with installation.
- Range up to .40" in the single band (slightly less in smaller sizes); .80" in the double band; more in larger clamps to help reduce inventory.
- Drop-in bolts feature to ease installation. If more than one band, all joints except for one will have all-closed lugs to keep bolts in place during installation.

| Clamp Number | Size | Working Pressure* |
|--------------|-------------------|-------------------|
| 221 | 2"-14" Nominal | 50 PSI |
| 226 | 2"-14" Nominal | Up to 350 PSI |
| 227 | 3" - 12" Nominal | Up to 175 PSI |
| 228 | 14" - 28" Nominal | Up to 100 PSI |

*The 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.

Product Specifications

SPECIFICATION:

The full circle repair clamp shall have an 18-8 Type 304 stainless steel band. It shall be a minimum of 7.5" in width (5" minimum width for the 221). The lugs shall be made of high strength ductile iron per ASTM A536 and have a fusion bonded Flexi Coat epoxy coating.

The lugs shall be attached to the band by hemming the band and sliding it into the lug slot. The slot shall be cast into the lug base. The lug shall have a friction fit with the band, preventing it from sliding off, yet allowing for easy removal and reattachment in case of installing the clamp in restricted spaces.

The gasket shall be made of Nitrile (Buna N) specially compounded to resist water, oil, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals. The temperature range of the gasket shall be -20°F thru +180°F. The gasket

must have a bridge plate that helps the end of the clamp band to seal across the gap. The bridge plate shall be made of quarter-hard 304 stainless steel. It shall be recessed and bonded into the gasket. The gasket shall have a gridded pattern. The gasket shall be tapered on the ends and overlap for range capability.

All bolts shall be at least 5/8" x 6" high strength low alloy per ANSI A21.11. At least one 5/8" x 6 7/8" bolt with a taller nut shall be furnished to help facilitate installation of clamps up thru 4.50" O.D. Heavy semi-finished nuts meeting ASTM A563 shall be provided with the bolts. Multi-band clamps shall have all closed lugs except for one set of open and closed lugs to allow for easy opening and installation of the clamp.

OPTIONAL - Stainless steel type 304 bolts and nuts. The nuts shall be fluoropolymer coated to prevent galling.

The clamp shall be a Smith-Blair, Inc., 221, 226, 227, 228 full circle clamp or approved equal.

| Approved By |
|---------------|
| Name: |
| Title: |
| Date: |

*THESE PRODUCT SPECIFICATIONS WERE CORRECT AT TIME OF PUBLICATION.
MATERIAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
SEE CATALOG BROCHURE CC-200 FOR MORE DETAILS. VISIT SMITH-BLAIR'S
WEBSITE AT WWW.SMITH-BLAIR.COM TO DOWNLOAD THE MOST CURRENT INFORMATION.*



**Ph: 870-773-5127 • Fax: 870-773-5212 • www.smith-blair.com
Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792
30 Globe Ave, Texarkana, AR 71854 • PO Box 5337, Texarkana, TX 75505**



226 Full Circle® Repair Clamps Single Band



Material Specifications

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, alkalis, 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)

Smith-Blair® 226 Single Band Full Circle® Repair Clamps provide 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. The clamps have a built-in O. D. range which enables each clamp to fit several pipe outside diameters within its nominal pipe size range.

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 clamps' range. The gasket has a finely gridded 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 an 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.

*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 | 3 | 5/8" x 6" or 16mm x 152mm |
| 10 | 4 | |
| 12 1/2 | 5 | |
| 15 | 6 | |
| 20 | 8 | |
| 25 | 10 | |
| 30 | 12 | |

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.

| 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 | | | | | |
| 2 | 2.35-2.63 | 7 1/2 | 8.8 | 226-00023807-000 | 226-00023807-001 | 50 | 60-66 | 190 | 4.0 |
| | | 10 | 11.8 | 226-00023810-000 | 226-00023810-001 | | | 254 | 5.4 |
| | | 12 1/2 | 14.6 | 226-00023812-000 | 226-00023812-001 | | | 317 | 6.7 |
| | | 15 | 17.5 | 226-00023815-000 | 226-00023815-001 | | | 381 | 8.1 |
| 2 1/4-2 1/2 | 2.70-3.00 | 7 1/2 | 8.8 | 226-00027507-000 | 226-00027507-001 | 65 | 69-76 | 190 | 4.0 |
| | | 10 | 11.8 | 226-00027510-000 | 226-00027510-001 | | | 254 | 5.4 |
| | | 12 1/2 | 14.8 | 226-00027512-000 | 226-00027512-001 | | | 317 | 6.7 |
| | | 15 | 17.7 | 226-00027515-000 | 226-00027515-001 | | | 381 | 8.1 |
| 3 | 2.97-3.25 | 7 1/2 | 9.3 | 226-00030007-000 | 226-00030007-001 | 65 | 76-82 | 190 | 4.3 |
| | | 10 | 12.4 | 226-00030010-000 | 226-00030010-001 | | | 254 | 5.7 |
| | | 12 1/2 | 15.0 | 226-00030012-000 | 226-00030012-001 | | | 317 | 6.9 |
| | | 15 | 18.0 | 226-00030015-000 | 226-00030015-001 | | | 381 | 8.3 |
| 3 | 3.46-3.70 | 7 1/2 | 9.2 | 226-00035007-000 | 226-00035007-001 | 80 | 88-93 | 190 | 4.2 |
| | | 10 | 12.5 | 226-00035010-000 | 226-00035010-001 | | | 254 | 5.8 |
| | | 12 1/2 | 15.5 | 226-00035012-000 | 226-00035012-001 | | | 317 | 7.1 |
| | | 15 | 18.4 | 226-00035015-000 | 226-00035015-001 | | | 381 | 8.5 |
| 3-4 | 3.73-4.00 | 7 1/2 | 9.2 | 226-00037507-000 | 226-00037507-001 | 80 | 95-101 | 190 | 4.2 |
| | | 10 | 12.5 | 226-00037510-000 | 226-00037510-001 | | | 254 | 5.8 |
| | | 12 1/2 | 15.5 | 226-00037512-000 | 226-00037512-001 | | | 317 | 7.1 |
| | | 15 | 18.4 | 226-00037515-000 | 226-00037515-001 | | | 381 | 8.5 |
| 3-4 | 3.96-4.25 | 7 1/2 | 9.2 | 226-00040007-000 | 226-00040007-001 | 80-100 | 101-107 | 190 | 4.2 |
| | | 10 | 12.5 | 226-00040010-000 | 226-00040010-001 | | | 254 | 5.8 |
| | | 12 1/2 | 15.5 | 226-00040012-000 | 226-00040012-001 | | | 317 | 7.1 |
| | | 15 | 18.4 | 226-00040015-000 | 226-00040015-001 | | | 381 | 8.5 |

226 Full Circle® Repair Clamps Single 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 | 4.45-4.73 | 7 1/2 | 9.6 | 226-00045007-000 | 226-00045007-001 | 100 | 114-120 | 190 | 4.4 |
| | | 10 | 13.0 | 226-00045010-000 | 226-00045010-001 | | | 254 | 6.0 |
| | | 12 1/2 | 15.9 | 226-00045012-000 | 226-00045012-001 | | | 317 | 7.3 |
| | | 15 | 18.9 | 226-00045015-000 | 226-00045015-001 | | | 381 | 8.7 |
| 4 | 4.74-5.14 | 7 1/2 | 10.5 | 226-00048007-000 | 226-00048007-001 | 100 | 121-130 | 190 | 4.8 |
| | | 10 | 14.5 | 226-00048010-000 | 226-00048010-001 | | | 254 | 6.7 |
| | | 12 1/2 | 17.5 | 226-00048012-000 | 226-00048012-001 | | | 317 | 8.1 |
| | | 15 | 20.8 | 226-00048015-000 | 226-00048015-001 | | | 381 | 9.6 |
| | | 20 | 27.9 | 226-00048020-000 | 226-00048020-001 | | | 508 | 12.8 |
| | | 25 | 34.9 | 226-00048025-000 | 226-00048025-001 | | | 635 | 16.1 |
| 4-5 | 4.95-5.35 | 30 | 41.2 | 226-00048030-000 | 226-00048030-001 | 100 | 126-135 | 762 | 19.0 |
| | | 7 1/2 | 10.6 | 226-00050007-000 | 226-00050007-001 | | | 190 | 4.9 |
| | | 10 | 14.2 | 226-00050010-000 | 226-00050010-001 | | | 254 | 6.5 |
| | | 12 1/2 | 17.3 | 226-00050012-000 | 226-00050012-001 | | | 317 | 8.0 |
| | | 15 | 21.1 | 226-00050015-000 | 226-00050015-001 | | | 381 | 9.7 |
| | | 20 | 28.1 | 226-00050020-000 | 226-00050020-001 | | | 508 | 12.9 |
| | | 25 | 35.2 | 226-00050025-000 | 226-00050025-001 | | | 635 | 16.2 |
| 4-5 | 5.22-5.62 | 30 | 42.2 | 226-00050030-000 | 226-00050030-001 | 125 | 133-142 | 762 | 19.4 |
| | | 7 1/2 | 10.6 | 226-00052507-000 | 226-00052507-001 | | | 190 | 4.9 |
| | | 10 | 14.5 | 226-00052510-000 | 226-00052510-001 | | | 254 | 6.7 |
| | | 12 1/2 | 17.9 | 226-00052512-000 | 226-00052512-001 | | | 317 | 8.2 |
| | | 15 | 21.5 | 226-00052515-000 | 226-00052515-001 | | | 381 | 9.9 |
| | | 20 | 28.6 | 226-00052520-000 | 226-00052520-001 | | | 508 | 13.2 |
| 6 | 5.95-6.35 | 25 | 35.8 | 226-00052525-000 | 226-00052525-001 | 125 | 152-161 | 635 | 16.5 |
| | | 30 | 42.9 | 226-00052530-000 | 226-00052530-001 | | | 762 | 19.7 |
| | | 7 1/2 | 10.8 | 226-00060007-000 | 226-00060007-001 | | | 190 | 5.0 |
| | | 10 | 15.0 | 226-00060010-000 | 226-00060010-001 | | | 254 | 7.0 |
| | | 12 1/2 | 18.4 | 226-00060012-000 | 226-00060012-001 | | | 317 | 8.5 |
| | | 15 | 22.1 | 226-00060015-000 | 226-00060015-001 | | | 381 | 10.2 |
| | | 20 | 29.5 | 226-00060020-000 | 226-00060020-001 | | | 508 | 13.6 |
| 6 | 6.56-6.96 | 25 | 36.8 | 226-00060025-000 | 226-00060025-001 | 150 | 167-176 | 635 | 16.9 |
| | | 30 | 44.2 | 226-00060030-000 | 226-00060030-001 | | | 762 | 20.3 |
| | | 7 1/2 | 11.6 | 226-00066307-000 | 226-00066307-001 | | | 190 | 5.3 |
| | | 10 | 15.6 | 226-00066310-000 | 226-00066310-001 | | | 254 | 7.2 |
| | | 12 1/2 | 19.2 | 226-00066312-000 | 226-00066312-001 | | | 317 | 8.8 |
| | | 15 | 22.6 | 226-00066315-000 | 226-00066315-001 | | | 381 | 10.4 |
| 6 | 6.84-7.24 | 20 | 30.6 | 226-00066320-000 | 226-00066320-001 | 150 | 174-183 | 508 | 14.1 |
| | | 25 | 38.3 | 226-00066325-000 | 226-00066325-001 | | | 635 | 17.6 |
| | | 30 | 44.7 | 226-00066330-000 | 226-00066330-001 | | | 762 | 20.6 |
| | | 7 1/2 | 11.6 | 226-00069007-000 | 226-00069007-001 | | | 190 | 5.3 |
| | | 10 | 15.6 | 226-00069010-000 | 226-00069010-001 | | | 254 | 7.2 |
| | | 12 1/2 | 19.3 | 226-00069012-000 | 226-00069012-001 | | | 317 | 8.9 |
| 6 | 7.05-7.45 | 15 | 22.9 | 226-00069015-000 | 226-00069015-001 | 150 | 180-189 | 381 | 10.5 |
| | | 20 | 30.5 | 226-00069020-000 | 226-00069020-001 | | | 508 | 14.0 |
| | | 25 | 38.1 | 226-00069025-000 | 226-00069025-001 | | | 635 | 17.5 |
| | | 30 | 45.7 | 226-00069030-000 | 226-00069030-001 | | | 762 | 21.0 |
| | | 7 1/2 | 11.6 | 226-00071007-000 | 226-00071007-001 | | | 190 | 5.3 |
| | | 10 | 15.6 | 226-00071010-000 | 226-00071010-001 | | | 254 | 7.2 |
| 6 | 7.45-7.85 | 12 1/2 | 19.3 | 226-00071012-000 | 226-00071012-001 | 150 | 190-199 | 317 | 8.9 |
| | | 15 | 22.8 | 226-00071015-000 | 226-00071015-001 | | | 381 | 10.5 |
| | | 20 | 31.0 | 226-00071020-000 | 226-00071020-001 | | | 508 | 14.3 |
| | | 25 | 38.8 | 226-00071025-000 | 226-00071025-001 | | | 635 | 17.5 |
| | | 30 | 46.5 | 226-00071030-000 | 226-00071030-001 | | | 762 | 21.4 |
| | | 7 1/2 | 11.9 | 226-00074507-000 | 226-00074507-001 | | | 190 | 5.5 |
| 6 | 7.45-7.85 | 10 | 15.8 | 226-00074510-000 | 226-00074510-001 | 150 | 190-199 | 254 | 7.3 |
| | | 12 1/2 | 19.8 | 226-00074512-000 | 226-00074512-001 | | | 317 | 9.1 |
| | | 15 | 23.7 | 226-00074515-000 | 226-00074515-001 | | | 381 | 10.9 |
| | | 20 | 31.6 | 226-00074520-000 | 226-00074520-001 | | | 508 | 14.5 |
| | | 25 | 39.5 | 226-00074525-000 | 226-00074525-001 | | | 635 | 18.2 |
| | | 30 | 47.4 | 226-00074530-000 | 226-00074530-001 | | | 762 | 21.8 |

226 Full Circle® Repair Clamps Single 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 | | | | | |
| 8 | 7.95-8.35 | 7 1/2 | 12.4 | 226-00080007-000 | 226-00080007-001 | 200 | 202-212 | 190 | 5.7 |
| | | 10 | 15.8 | 226-00080010-000 | 226-00080010-001 | | | 254 | 7.3 |
| | | 12 1/2 | 20.3 | 226-00080012-000 | 226-00080012-001 | | | 317 | 9.3 |
| | | 15 | 24.3 | 226-00080015-000 | 226-00080015-001 | | | 381 | 11.2 |
| | | 20 | 32.4 | 226-00080020-000 | 226-00080020-001 | | | 508 | 14.9 |
| | | 25 | 40.5 | 226-00080025-000 | 226-00080025-001 | | | 635 | 18.2 |
| | | 30 | 48.6 | 226-00080030-000 | 226-00080030-001 | | | 762 | 22.4 |
| 8 | 8.54-8.94 | 7 1/2 | 13.3 | 226-00086307-000 | 226-00086307-001 | 200 | 217-277 | 190 | 6.1 |
| | | 10 | 17.2 | 226-00086310-000 | 226-00086310-001 | | | 254 | 7.9 |
| | | 12 1/2 | 20.8 | 226-00086312-000 | 226-00086312-001 | | | 317 | 9.6 |
| | | 15 | 24.7 | 226-00086315-000 | 226-00086315-001 | | | 381 | 11.4 |
| | | 20 | 33.6 | 226-00086320-000 | 226-00086320-001 | | | 508 | 15.5 |
| | | 25 | 42.0 | 226-00086325-000 | 226-00086325-001 | | | 635 | 18.6 |
| | | 30 | 50.4 | 226-00086330-000 | 226-00086330-001 | | | 762 | 23.2 |
| 8 | 8.99-9.39 | 7 1/2 | 13.1 | 226-00090507-000 | 226-00090507-001 | 200 | 229-238 | 190 | 6.0 |
| | | 10 | 17.3 | 226-00090510-000 | 226-00090510-001 | | | 254 | 8.0 |
| | | 12 1/2 | 21.3 | 226-00090512-000 | 226-00090512-001 | | | 317 | 9.8 |
| | | 15 | 25.3 | 226-00090515-000 | 226-00090515-001 | | | 381 | 11.6 |
| | | 20 | 34.6 | 226-00090520-000 | 226-00090520-001 | | | 508 | 15.9 |
| | | 25 | 43.3 | 226-00090525-000 | 226-00090525-001 | | | 635 | 19.9 |
| | | 30 | 49.6 | 226-00090530-000 | 226-00090530-001 | | | 762 | 22.8 |
| 8 | 9.27-9.67 | 7 1/2 | 13.3 | 226-00094007-000 | 226-00094007-001 | 200 | 236-245 | 190 | 6.1 |
| | | 10 | 17.4 | 226-00094010-000 | 226-00094010-001 | | | 254 | 8.0 |
| | | 12 1/2 | 21.5 | 226-00094012-000 | 226-00094012-001 | | | 317 | 9.9 |
| | | 15 | 25.2 | 226-00094015-000 | 226-00094015-001 | | | 381 | 11.6 |
| | | 20 | 34.7 | 226-00094020-000 | 226-00094020-001 | | | 508 | 16.0 |
| | | 25 | 43.3 | 226-00094025-000 | 226-00094025-001 | | | 635 | 19.9 |
| | | 30 | 51.9 | 226-00094030-000 | 226-00094030-001 | | | 762 | 23.9 |
| 8-10 | 9.70-10.10 | 7 1/2 | 13.5 | 226-00100007-000 | 226-00100007-001 | 225 | 247-256 | 190 | 6.2 |
| | | 10 | 17.4 | 226-00100010-000 | 226-00100010-001 | | | 254 | 8.0 |
| | | 12 1/2 | 22.1 | 226-00100012-000 | 226-00100012-001 | | | 317 | 10.2 |
| | | 15 | 26.2 | 226-00100015-000 | 226-00100015-001 | | | 381 | 12.1 |
| | | 20 | 34.8 | 226-00100020-000 | 226-00100020-001 | | | 508 | 16.0 |
| | | 25 | 43.5 | 226-00100025-000 | 226-00100025-001 | | | 635 | 20.0 |
| | | 30 | 52.2 | 226-00100030-000 | 226-00100030-001 | | | 762 | 24.0 |
| 10 | 10.64-11.04 | 7 1/2 | 13.9 | 226-00107507-000 | 226-00107507-001 | 250 | 271-280 | 190 | 6.4 |
| | | 10 | 18.9 | 226-00107510-000 | 226-00107510-001 | | | 254 | 8.7 |
| | | 12 1/2 | 23.0 | 226-00107512-000 | 226-00107512-001 | | | 317 | 10.6 |
| | | 15 | 26.7 | 226-00107515-000 | 226-00107515-001 | | | 381 | 12.3 |
| | | 20 | 35.9 | 226-00107520-000 | 226-00107520-001 | | | 508 | 16.5 |
| | | 25 | 45.0 | 226-00107525-000 | 226-00107525-001 | | | 635 | 20.7 |
| | | 30 | 54.2 | 226-00107530-000 | 226-00107530-001 | | | 762 | 24.9 |
| 10 | 11.04-11.44 | 7 1/2 | 14.0 | 226-00111007-000 | 226-00111007-001 | 250 | 281-290 | 190 | 6.4 |
| | | 10 | 18.7 | 226-00111010-000 | 226-00111010-001 | | | 254 | 8.6 |
| | | 12 1/2 | 22.9 | 226-00111012-000 | 226-00111012-001 | | | 317 | 10.5 |
| | | 15 | 27.6 | 226-00111015-000 | 226-00111015-001 | | | 381 | 12.7 |
| | | 20 | 36.6 | 226-00111020-000 | 226-00111020-001 | | | 508 | 16.8 |
| | | 25 | 45.8 | 226-00111025-000 | 226-00111025-001 | | | 635 | 21.1 |
| | | 30 | 54.9 | 226-00111030-000 | 226-00111030-001 | | | 762 | 25.3 |
| 10 | 11.34-11.74 | 7 1/2 | 14.7 | 226-00114007-000 | 226-00114007-001 | 250 | 289-298 | 190 | 6.8 |
| | | 10 | 18.8 | 226-00114010-000 | 226-00114010-001 | | | 254 | 8.6 |
| | | 12 1/2 | 23.5 | 226-00114012-000 | 226-00114012-001 | | | 317 | 10.8 |
| | | 15 | 28.2 | 226-00114015-000 | 226-00114015-001 | | | 381 | 13.0 |
| | | 20 | 37.6 | 226-00114020-000 | 226-00114020-001 | | | 508 | 17.3 |
| | | 25 | 47.0 | 226-00114025-000 | 226-00114025-001 | | | 635 | 21.6 |
| | | 30 | 56.4 | 226-00114030-000 | 226-00114030-001 | | | 762 | 25.9 |
| 10 | 11.75-12.15 | 7 1/2 | 14.4 | 226-00117507-000 | 226-00117507-001 | 250 | 299-308 | 190 | 6.6 |
| | | 10 | 19.5 | 226-00117510-000 | 226-00117510-001 | | | 254 | 9.0 |
| | | 12 1/2 | 23.6 | 226-00117512-000 | 226-00117512-001 | | | 317 | 10.9 |
| | | 15 | 27.9 | 226-00117515-000 | 226-00117515-001 | | | 381 | 12.8 |
| | | 20 | 37.8 | 226-00117520-000 | 226-00117520-001 | | | 508 | 17.4 |
| | | 25 | 47.5 | 226-00117525-000 | 226-00117525-001 | | | 635 | 21.9 |
| | | 30 | 56.8 | 226-00117530-000 | 226-00117530-001 | | | 762 | 26.1 |

226 Full Circle® Repair Clamps Single 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 | | | | | |
| 10-12 | 12.00-12.40 | 7 1/2 | 14.6 | 226-00120007-000 | 226-00120007-001 | 250-300 | 305-314 | 190 | 6.7 |
| | | 10 | 19.7 | 226-00120010-000 | 226-00120010-001 | | | 254 | 9.1 |
| | | 12 1/2 | 24.3 | 226-00120012-000 | 226-00120012-001 | | | 317 | 11.2 |
| | | 15 | 29.1 | 226-00120015-000 | 226-00120015-001 | | | 381 | 13.4 |
| | | 20 | 38.8 | 226-00120020-000 | 226-00120020-001 | | | 508 | 17.8 |
| | | 25 | 48.5 | 226-00120025-000 | 226-00120025-001 | | | 635 | 22.3 |
| | | 30 | 58.2 | 226-00120030-000 | 226-00120030-001 | | | 762 | 26.8 |
| 12 | 12.62-13.02 | 7 1/2 | 15.6 | 226-00127507-000 | 226-00127507-001 | 300 | 321-330 | 190 | 7.2 |
| | | 10 | 20.2 | 226-00127510-000 | 226-00127510-001 | | | 254 | 9.3 |
| | | 12 1/2 | 24.9 | 226-00127512-000 | 226-00127512-001 | | | 317 | 11.5 |
| | | 15 | 28.9 | 226-00127515-000 | 226-00127515-001 | | | 381 | 13.3 |
| | | 20 | 39.8 | 226-00127520-000 | 226-00127520-001 | | | 508 | 18.3 |
| | | 25 | 49.8 | 226-00127525-000 | 226-00127525-001 | | | 635 | 22.9 |
| | | 30 | 59.7 | 226-00127530-000 | 226-00127530-001 | | | 762 | 27.5 |
| 12 | 13.10-13.50 | 7 1/2 | 16.6 | 226-00132007-000 | 226-00132007-001 | 300 | 333-342 | 190 | 7.6 |
| | | 10 | 20.7 | 226-00132010-000 | 226-00132010-001 | | | 254 | 9.5 |
| | | 12 1/2 | 25.3 | 226-00132012-000 | 226-00132012-001 | | | 317 | 11.6 |
| | | 15 | 29.1 | 226-00132015-000 | 226-00132015-001 | | | 381 | 13.4 |
| | | 20 | 40.4 | 226-00132020-000 | 226-00132020-001 | | | 508 | 18.6 |
| | | 25 | 50.5 | 226-00132025-000 | 226-00132025-001 | | | 635 | 23.2 |
| | | 30 | 60.6 | 226-00132030-000 | 226-00132030-001 | | | 762 | 27.9 |
| 12 | 13.40-13.80 | 7 1/2 | 17.6 | 226-00134007-000 | 226-00134007-001 | 300 | 341-350 | 190 | 8.1 |
| | | 10 | 21.2 | 226-00134010-000 | 226-00134010-001 | | | 254 | 9.8 |
| | | 12 1/2 | 26.5 | 226-00134012-000 | 226-00134012-001 | | | 317 | 12.2 |
| | | 15 | 31.8 | 226-00134015-000 | 226-00134015-001 | | | 381 | 14.6 |
| | | 20 | 42.4 | 226-00134020-000 | 226-00134020-001 | | | 508 | 19.5 |
| | | 25 | 53.0 | 226-00134025-000 | 226-00134025-001 | | | 635 | 24.4 |
| | | 30 | 63.6 | 226-00134030-000 | 226-00134030-001 | | | 762 | 29.3 |
| 12-14 | 13.70-14.10 | 7 1/2 | 18.2 | 226-00137007-000 | 226-00137007-001 | 300-350 | 348-358 | 190 | 8.4 |
| | | 10 | 22.3 | 226-00137010-000 | 226-00137010-001 | | | 254 | 10.3 |
| | | 12 1/2 | 27.9 | 226-00137012-000 | 226-00137012-001 | | | 317 | 12.8 |
| | | 15 | 33.5 | 226-00137015-000 | 226-00137015-001 | | | 381 | 15.4 |
| | | 20 | 44.6 | 226-00137020-000 | 226-00137020-001 | | | 508 | 20.5 |
| | | 25 | 55.8 | 226-00137025-000 | 226-00137025-001 | | | 635 | 25.7 |
| | | 30 | 66.9 | 226-00137030-000 | 226-00137030-001 | | | 762 | 30.8 |
| 12-14 | 14.00-14.40 | 7 1/2 | 18.8 | 226-00140007-000 | 226-00140007-001 | 300-350 | 356-365 | 190 | 8.6 |
| | | 10 | 23.1 | 226-00140010-000 | 226-00140010-001 | | | 254 | 10.6 |
| | | 12 1/2 | 28.9 | 226-00140012-000 | 226-00140012-001 | | | 317 | 13.3 |
| | | 15 | 34.7 | 226-00140015-000 | 226-00140015-001 | | | 381 | 16.0 |
| | | 20 | 46.2 | 226-00140020-000 | 226-00140020-001 | | | 508 | 21.3 |
| | | 25 | 57.8 | 226-00140025-000 | 226-00140025-001 | | | 635 | 26.6 |
| | | 30 | 69.3 | 226-00140030-000 | 226-00140030-001 | | | 762 | 31.9 |

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