



Full Circle® Repair Clamp

Double Band and Triple Band

(FOR LARGE DIAMETER PIPE)

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IMPORTANT LINKS

Click appropriate words to go to:

- Standard Limited Warranty
- Sales Terms & Conditions
- Freight Policy
- Returns Policy
- Corrosion & Product Selection Notice



THIS PRODUCT DOES NOT RESTRAIN PIPE MOVEMENT. Proper anchoring is required to prevent pipe pullout. Failure to anchor or improper anchoring can result in dangerous pipe content escape, property damage, serious injury, or death. Read the product installation instructions prior to installing this product.

Description: These clamps provide fast, economical means for repairing full circumferential breaks, holes, cracks and other types of breaks.

Application: Works on Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types.

Key Features:

- Stainless Steel bands
- Working pressure up to 150 PSI
- Nominal temperature range -20°F to 180°F
- Removable lugs to allow installation in tight spaces
- 18-8 Type 304 Stainless Steel band for corrosion resistance
- 360° gasket seal
- Flexi-Coat® Epoxy Finish for corrosion resistance
- Drop-in bolts for easier installation

Materials Specifications (subject to change):

BAND: Stainless Steel Type 304

LUGS: Ductile Iron ASTM A536, 80-55-06

GASKET: Nitrile (Buna N) compounded to produce superior storage and performance characteristics, while resisting water, acids, alkalis, most (aliphatic) hydrocarbon and many other chemicals

Temperature Range: -20°F to 180°F. Consult manufacturer for specific applications and other service temperatures

BRIDGE PLATE: 304 Stainless Steel recessed flush and bonded into gasket

BOLTS: High strength, low alloy Steel with heavy, semi-finished hexagon nuts per ANSI B. 18.2.2

Optional 304 Stainless bolts with fluoropolymer coated nuts to reduce galling

FINISH: Flexi-Coat® Fusion Bonded Epoxy

NOTE: Also available in metric sizes. HDPE applications will require clamps with spring washers

Pipe Applications: Cast Iron, Ductile Iron, Steel, Asbestos Cement, Copper, Aluminum, PVC, HDPE, Fiberglass and other pipe types

Sizes (in inches): 14, 16, 18, 20, 24. Other sizes available upon request.



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Full Circle[®] Repair Clamp

Double Band and Triple Band

(FOR LARGE DIAMETER PIPE)

Double Band

| STANDARD | | | W/LOW ALLOY BOLTS & NUTS | W/STAINLESS STEEL BOLTS & NUTS | METRIC | | |
|-------------|--------------|---------------|--------------------------|--------------------------------|---------------|----------|-------------|
| O.D. RANGES | WIDTH INCHES | WT. EACH LBS. | CATALOG NUMBER | CATALOG NUMBER | O.D. RANGE MM | WIDTH MM | WT. EACH KG |
| 14.38-15.13 | 10 | 35 | 228-20143810-000 | 228-20143810-001 | 366-384 | 254 | 16.2 |
| | 15 | 53 | 228-20143815-000 | 228-20143815-001 | | 381 | 24.3 |
| | 20 | 71 | 228-20143820-000 | 228-20143820-001 | | 508 | 32.4 |
| | 30 | 106 | 228-20143830-000 | 228-20143830-001 | | 762 | 48.6 |
| 15.07-15.82 | 10 | 38 | 228-20150710-000 | 228-20150710-001 | 383-402 | 254 | 17.5 |
| | 15 | 55 | 228-20150715-000 | 228-20150715-001 | | 381 | 25.3 |
| | 20 | 73 | 228-20150720-000 | 228-20150720-001 | | 508 | 32.7 |
| | 30 | 107 | 228-20150730-000 | 228-20150730-001 | | 762 | 49.0 |
| 15.92-16.67 | 10 | 39 | 228-20159210-000 | 228-20159210-001 | 409-423 | 254 | 17.9 |
| | 15 | 56 | 228-20159215-000 | 228-20159215-001 | | 381 | 25.5 |
| | 20 | 74 | 228-20159220-000 | 228-20159220-001 | | 508 | 34.0 |
| | 30 | 112 | 228-20159230-000 | 228-20159230-001 | | 762 | 51.1 |
| 16.56-17.31 | 10 | 39 | 228-20165610-000 | 228-20165610-001 | 421-440 | 254 | 18.0 |
| | 15 | 57 | 228-20165615-000 | 228-20165615-001 | | 381 | 26.1 |
| | 20 | 76 | 228-20165620-000 | 228-20165620-001 | | 508 | 35.1 |
| | 30 | 117 | 228-20165630-000 | 228-20165630-001 | | 762 | 54.0 |
| 17.15-17.90 | 10 | 39 | 228-20171510-000 | 228-20171510-001 | 436-455 | 254 | 18.1 |
| | 15 | 57 | 228-20171515-000 | 228-20171515-001 | | 381 | 26.3 |
| | 20 | 77 | 228-20171520-000 | 228-20171520-001 | | 508 | 35.3 |
| | 30 | 118 | 228-20171530-000 | 228-20171530-001 | | 762 | 54.5 |
| 17.82-18.57 | 10 | 40 | 228-20178210-000 | 228-20178210-001 | 453-472 | 254 | 18.4 |
| | 15 | 58 | 228-20178215-000 | 228-20178215-001 | | 381 | 26.7 |
| | 20 | 77 | 228-20178220-000 | 228-20178220-001 | | 508 | 35.6 |
| | 30 | 119 | 228-20178230-000 | 228-20178230-001 | | 762 | 54.8 |
| 18.46-19.21 | 10 | 41 | 228-20184610-000 | 228-20184610-001 | 469-488 | 254 | 19.0 |
| | 15 | 59 | 228-20184615-000 | 228-20184615-001 | | 381 | 27.0 |
| | 20 | 78 | 228-20184620-000 | 228-20184620-001 | | 508 | 25.9 |
| | 30 | 120 | 228-20184630-000 | 228-20184630-001 | | 762 | 55.2 |
| 19.23-19.98 | 10 | 47 | 228-20192310-000 | 228-20192310-001 | 488-507 | 254 | 21.5 |
| | 15 | 60 | 228-20192315-000 | 228-20192315-001 | | 381 | 27.6 |
| | 20 | 80 | 228-20192320-000 | 228-20192320-001 | | 508 | 36.8 |
| | 30 | 121 | 228-20192330-000 | 228-20192330-001 | | 762 | 55.6 |
| 19.90-20.65 | 10 | 42 | 228-20199010-000 | 228-20199010-001 | 505-525 | 254 | 19.4 |
| | 15 | 60 | 228-20199015-000 | 228-20199015-001 | | 381 | 27.7 |
| | 20 | 81 | 228-20199020-000 | 228-20199020-001 | | 508 | 37.0 |
| | 30 | 121 | 228-20199030-000 | 228-20199030-001 | | 762 | 55.8 |

NOTE: Other sizes available upon request.

Double Band Continued

| STANDARD | | | W/LOW ALLOY BOLTS & NUTS | W/STAINLESS STEEL BOLTS & NUTS | METRIC | | |
|-------------|--------------|---------------|--------------------------|--------------------------------|---------------|----------|-------------|
| O.D. RANGES | WIDTH INCHES | WT. EACH LBS. | CATALOG NUMBER | CATALOG NUMBER | O.D. RANGE MM | WIDTH MM | WT. EACH KG |
| 20.70-21.45 | 10 | 44 | 228-20207010-000 | 228-20207010-001 | 526-545 | 254 | 20.0 |
| | 15 | 63 | 228-20207015-000 | 228-20207015-001 | | 381 | 28.8 |
| | 20 | 83 | 228-20207020-000 | 228-20207020-001 | | 508 | 38.4 |
| | 30 | 126 | 228-20207030-000 | 228-20207030-001 | | 762 | 58.0 |
| 21.52-22.27 | 10 | 45 | 228-20215210-000 | 228-20215210-001 | 547-566 | 254 | 20.8 |
| | 15 | 65 | 228-20215215-000 | 228-20215215-001 | | 381 | 29.9 |
| | 20 | 87 | 228-20215220-000 | 228-20215220-001 | | 508 | 39.8 |
| | 30 | 131 | 228-20215230-000 | 228-20215230-001 | | 762 | 60.2 |
| 22.12-22.87 | 10 | 46 | 228-20221210-000 | 228-20221210-001 | 562-580 | 254 | 21.3 |
| | 15 | 67 | 228-20221215-000 | 228-20221215-001 | | 381 | 30.7 |
| | 20 | 89 | 228-20221220-000 | 228-20221220-001 | | 508 | 40.9 |
| | 30 | 135 | 228-20221230-000 | 228-20221230-001 | | 762 | 61.9 |
| 22.90-23.65 | 10 | 48 | 228-20229010-000 | 228-20229010-001 | 582-600 | 254 | 22.1 |
| | 15 | 69 | 228-20229015-000 | 228-20229015-001 | | 381 | 31.18 |
| | 20 | 92 | 228-20229020-000 | 228-20229020-001 | | 508 | 42.3 |
| | 30 | 139 | 228-20229030-000 | 228-20229030-001 | | 762 | 63.9 |

NOTE: Other sizes available upon request.

Double Band Bolt Numbers

| BAND WIDTH INCHES | NUMBER OF BOLTS | BOLT SIZES |
|-------------------|-----------------|--|
| 10 | 8 | Drop-in lug 5/8" x 6" and 5/8" x 6 7/8" |
| 15 | 12 | |
| 20 | 16 | |
| 30 | 24 | |

Triple Band

| STANDARD | | | W/LOW ALLOY BOLTS & NUTS | W/STAINLESS STEEL BOLTS & NUTS | METRIC | | |
|-------------------|--------------|---------------|--------------------------|--------------------------------|---------------|----------|--------------|
| O.D. RANGE INCHES | WIDTH INCHES | WT. EACH LBS. | CATALOG NUMBER | CATALOG NUMBER | O.D. RANGE MM | WIDTH MM | WT. EACH KG. |
| 23.28-24.38 | 10 | 73 | 228-30232810-000 | 228-30232810-001 | 592-619 | 254 | 33.32 |
| | 15 | 105 | 228-30232815-000 | 228-30232815-001 | | 381 | 47.72 |
| | 20 | 127 | 228-30232820-000 | 228-30232820-001 | | 508 | 57.79 |
| | 30 | 181 | 228-30232830-000 | 228-30232830-001 | | 762 | 82.17 |
| 24.38-25.48 | 10 | 75 | 228-30243810-000 | 228-30243810-001 | 620-647 | 254 | 34.23 |
| | 15 | 108 | 228-30243815-000 | 228-30243815-001 | | 381 | 49.12 |
| | 20 | 130 | 228-30243820-000 | 228-30243820-001 | | 508 | 59.16 |
| | 30 | 185 | 228-30243830-000 | 228-30243830-001 | | 762 | 84.08 |
| 25.70-26.80 | 10 | 77 | 228-30257010-000 | 228-30257010-001 | 653-680 | 254 | 35.14 |
| | 15 | 109 | 228-30257015-000 | 228-30257015-001 | | 381 | 49.49 |
| | 20 | 132 | 228-30257020-000 | 228-30257020-001 | | 508 | 60.06 |
| | 30 | 188 | 228-30257030-000 | 228-30257030-001 | | 762 | 85.44 |
| 26.48-27.58 | 10 | 78 | 228-30264810-000 | 228-30264810-001 | 673-700 | 254 | 35.59 |
| | 15 | 112 | 228-30264815-000 | 228-30264815-001 | | 381 | 50.85 |
| | 20 | 135 | 228-30264820-000 | 228-30264820-001 | | 508 | 61.43 |
| | 30 | 191 | 228-30264830-000 | 228-30264830-001 | | 762 | 86.80 |
| 27.65-28.75 | 10 | 81 | 228-30276510-000 | 228-30276510-001 | 703-730 | 254 | 36.96 |
| | 15 | 116 | 228-30276515-000 | 228-30276515-001 | | 381 | 52.66 |
| | 20 | 140 | 228-30276520-000 | 228-30276520-001 | | 508 | 63.70 |
| | 30 | 197 | 228-30276530-000 | 228-30276530-001 | | 762 | 89.53 |
| 28.73-29.83 | 10 | 83 | 228-30287310-000 | 228-30287310-001 | 730-757 | 254 | 37.86 |
| | 15 | 118 | 228-30287315-000 | 228-30287315-001 | | 381 | 53.57 |
| | 20 | 145 | 228-30287320-000 | 228-30287320-001 | | 508 | 65.97 |
| | 30 | 201 | 228-30287330-000 | 228-30287330-001 | | 762 | 91.34 |
| 29.62-30.72 | 10 | 85 | 228-30296210-000 | 228-30296210-001 | 753-780 | 254 | 38.77 |
| | 15 | 121 | 228-30296215-000 | 228-30296215-001 | | 381 | 54.93 |
| | 20 | 147 | 228-30296220-000 | 228-30296220-001 | | 508 | 66.87 |
| | 30 | 205 | 228-30296230-000 | 228-30296230-001 | | 762 | 93.16 |

NOTE: Other sizes available upon request.

Triple Band Bolt Numbers

| BAND WIDTH INCHES | NUMBER OF BOLTS | BOLT SIZES |
|-------------------|-----------------|--|
| 10 | 12 | 5/8" x 6" 5/8" x 6 7/8" Open and Closed Lugs |
| 15 | 18 | |
| 20 | 24 | |
| 30 | 36 | |