



# Tapped Full Circle<sup>®</sup> Repair Clamp Double Band

# 239

## 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:

A tapped clamp to repair damaged pipe at broken or torn out service connections or branch lines.

**Application:** Service connection or branch line connections.

### Key Features:

- Stainless Steel outlet welded to band
- Select from outlets with NPT, CC or BSP (AWWA) threads
- Removable lugs allow installation in tight spaces
- Maximum support and reinforcement with 360° coverage
- Drop-in bolts in the joint to be opened help ease installation
- 18-8 Type 304 Stainless Steel band for corrosion resistance
- A wide variety of outlet sizes and thread types available to meet demand
- All closed lugs on the multi-band, except the joint, which is opened for installation
- Lugs have a Fusion-Bonded Flexi-Coat<sup>®</sup> Epoxy Finish for great corrosion resistance
- One starter (longer) bolt minimum per clamp thru 4.5" O.D. size to help with installation
- Widths up to 30"
- Pressure rating up to 175 PSI

### 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:** 302 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 Steel bolts with fluoropolymer coated nuts to prevent galling*

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

**Pipe Applications:** Cast Iron, Ductile Iron, Asbestos Cement, Steel, PVC, HDPE and most other types of pipe

### Sizes (in inches):

- 4, 6, 8, 10, 12 offered with ¾" or 1" NPT Taps
- 4, 6, 8, 10, 12 offered with ¾", 1" or 2" taps.
- 4, 6, 8, 10, 12 offered with 1¼", 1½" or 2" NPT taps.

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# Tapped Full Circle<sup>®</sup> Repair Clamp Double Band

## Bolt Numbers

| BAND WIDTH INCHES | # OF BOLTS | BOLT SIZES  |
|-------------------|------------|---|
| 7.5               | 6          | Drop-in lug 5/8" x 6"<br>Closed lug 5/8" x 6 7/8" |
| 10                | 8          |   |
| 12.5              | 10         |   |
| 15                | 12         |   |

## Stainless Steel Bolts

| TAP SIZE   | LAST 3 DIGITS FOR ALLOY BOLTS | LAST 3 DIGITS FOR STAINLESS STEEL BOLTS |
|------------|-------------------------------|---|
| 3/4" NPT   | -006                          | -106                                    |
| 1" NPT     | -008                          | -108                                    |
| 1 1/4" NPT | -010                          | -110                                    |
| 1 1/2" NPT | -012                          | -112                                    |
| 2" NPT     | -014                          | -114                                    |
| 3/4" CC    | -007                          | -107                                    |
| 1" CC      | -009                          | -109                                    |
| 1 1/4" CC  | -011                          | -111                                    |
| 1 1/2" CC  | -013                          | -113                                    |
| 2" CC      | -015                          | -115                                    |

## 3/4" and 1" NPT Taps

| STANDARD                  |                         |                 |                  | 3/4" NPT<br>20 MM | 1" NPT<br>25 MM  | METRIC          |                     |          |                 |
|---------------------------|-------------------------|-----------------|------------------|-------------------|------------------|-----------------|---------------------|----------|-----------------|
| NOMINAL<br>SIZE<br>INCHES | O.D.<br>RANGE<br>INCHES | WIDTH<br>INCHES | WT.<br>EACH LBS. | CATALOG NUMBER    | CATALOG NUMBER   | NOM.<br>SIZE MM | O.D.<br>RANGE<br>MM | WIDTH MM | WT.<br>EACH KG. |
| 4                         | 4.44-5.24               | 7.5             | 19               | 239-00045007-006  | 239-00045007-008 | 100             | 113-133             | 190      | 8.6             |
|                           | 4.44-5.24               | 10.0            | 25               | 239-00045010-006  | 239-00045010-008 |                 | 113-133             | 254      | 11.3            |
|                           | 4.44-5.24               | 12.5            | 31               | 239-00045012-006  | 239-00045012-008 |                 | 113-133             | 317      | 14.0            |
|                           | 4.44-5.24               | 15.0            | 37               | 239-00045015-006  | 239-00045015-008 |                 | 113-133             | 381      | 16.8            |
| 6                         | 6.62-7.42               | 7.5             | 20               | 239-00066307-006  | 239-00066307-008 | 125             | 168-188             | 190      | 9.1             |
|                           | 6.62-7.42               | 10.0            | 27               | 239-00066310-006  | 239-00066310-008 |                 | 168-188             | 254      | 12.2            |
|                           | 6.62-7.42               | 12.5            | 33               | 239-00066312-006  | 239-00066312-008 |                 | 168-188             | 317      | 15.0            |
|                           | 6.62-7.42               | 15.0            | 39               | 239-00066315-006  | 239-00066315-008 |                 | 168-188             | 381      | 17.7            |
| 6                         | 6.84-7.64               | 7.5             | 20               | 239-00069007-006  | 239-00069007-008 | 150             | 174-194             | 190      | 9.1             |
|                           | 6.84-7.64               | 10.0            | 27               | 239-00069010-006  | 239-00069010-008 |                 | 174-194             | 254      | 12.2            |
|                           | 6.84-7.64               | 12.5            | 33               | 239-00069012-006  | 239-00069012-008 |                 | 174-194             | 317      | 15.0            |
|                           | 6.84-7.64               | 15.0            | 39               | 239-00069015-006  | 239-00069015-008 |                 | 174-194             | 381      | 17.7            |
| 8                         | 8.62-9.42               | 7.5             | 22               | 239-00086307-006  | 239-00086307-008 | 200             | 219-239             | 190      | 10.0            |
|                           | 8.62-9.42               | 10.0            | 30               | 239-00086310-006  | 239-00086310-008 |                 | 219-239             | 254      | 13.6            |
|                           | 8.62-9.42               | 12.5            | 36               | 239-00086312-006  | 239-00086312-008 |                 | 219-239             | 317      | 16.3            |
|                           | 8.62-9.42               | 15.0            | 43               | 239-00086315-006  | 239-00086315-008 |                 | 219-239             | 381      | 19.5            |

¾" and 1" NPT Taps Continued

| STANDARD                  |                         |                 |                     | ¾" NPT<br>20 MM  | 1" NPT<br>25 MM  | METRIC             |                     |             |                    |
|---------------------------|-------------------------|-----------------|---------------------|------------------|------------------|--------------------|---------------------|-------------|--------------------|
| NOMINAL<br>SIZE<br>INCHES | O.D.<br>RANGE<br>INCHES | WIDTH<br>INCHES | WT.<br>EACH<br>LBS. | CATALOG NUMBER   | CATALOG NUMBER   | NOM.<br>SIZE<br>MM | O.D.<br>RANGE<br>MM | WIDTH<br>MM | WT.<br>EACH<br>KG. |
| 8                         | 8.99-9.79               | 7.5             | 22                  | 239-00090507-006 | 239-00090507-008 | 200                | 229-248             | 190         | 10.0               |
|                           | 8.99-9.79               | 10.0            | 30                  | 239-00090510-006 | 239-00090510-008 |                    | 229-248             | 254         | 13.6               |
|                           | 8.99-9.79               | 12.5            | 36                  | 239-00090512-006 | 239-00090512-008 |                    | 229-248             | 317         | 16.3               |
|                           | 8.99-9.79               | 15.0            | 43                  | 239-00090515-006 | 239-00090515-008 |                    | 229-248             | 381         | 19.5               |
| 10                        | 10.75-11.55             | 10.0            | 31                  | 239-00107510-006 | 239-00107510-008 | 250                | 273-293             | 254         | 14.1               |
|                           | 10.75-11.55             | 12.5            | 40                  | 239-00107512-006 | 239-00107512-008 |                    | 273-293             | 317         | 18.1               |
|                           | 10.75-11.55             | 15.0            | 48                  | 239-00107515-006 | 239-00107515-008 |                    | 273-293             | 381         | 21.8               |
| 10                        | 11.10-11.90             | 10.0            | 34                  | 239-00111010-006 | 239-00111010-008 | 250                | 282-302             | 254         | 15.4               |
|                           | 11.10-11.90             | 12.5            | 43                  | 239-00111012-006 | 239-00111012-008 |                    | 282-302             | 317         | 19.5               |
|                           | 11.10-11.90             | 15.0            | 48                  | 239-00111015-006 | 239-00111015-008 |                    | 282-302             | 381         | 21.8               |
| 12                        | 12.75-13.55             | 10.0            | 34                  | 239-00127510-006 | 239-00127510-008 | 300                | 324-344             | 254         | 15.4               |
|                           | 12.75-13.55             | 12.5            | 43                  | 239-00127512-006 | 239-00127512-008 |                    | 324-344             | 317         | 19.5               |
|                           | 12.75-13.55             | 15.0            | 50                  | 239-00127515-006 | 239-00127515-008 |                    | 324-344             | 381         | 22.7               |
| 12                        | 13.20-14.00             | 10.0            | 34                  | 239-00132010-006 | 239-00132010-008 | 300                | 335-355             | 254         | 15.4               |
|                           | 13.20-14.00             | 12.5            | 43                  | 239-00132012-006 | 239-00132012-008 |                    | 335-355             | 317         | 19.5               |
|                           | 13.20-14.00             | 15.0            | 50                  | 239-00132015-006 | 239-00132015-008 |                    | 335-355             | 381         | 22.7               |

1¼", 1½" and 2" NPT Taps

| STANDARD               |                         |                 |                     | 1 ¼" NPT<br>32 MM | 1 ½" NPT<br>40 MM | 2" NPT<br>50 MM  | METRIC             |                     |             |                    |
|------------------------|-------------------------|-----------------|---------------------|-------------------|-------------------|------------------|--------------------|---------------------|-------------|--------------------|
| NOM.<br>SIZE<br>INCHES | O.D.<br>RANGE<br>INCHES | WIDTH<br>INCHES | WT.<br>EACH<br>LBS. | CATALOG NUMBER    | CATALOG NUMBER    | CATALOG NUMBER   | NOM.<br>SIZE<br>MM | O.D.<br>RANGE<br>MM | WIDTH<br>MM | WT.<br>EACH<br>KG. |
| 4                      | 4.44-5.24               | 7.5             | 19                  | 239-00045007-010  | 239-00045007-012  | 239-00045007-014 | 100                | 113-133             | 190         | 8.6                |
|                        |                         | 10              | 25                  | 239-00045010-010  | 239-00045010-012  | 239-00045010-014 |                    |                     | 254         | 11.3               |
|                        |                         | 12.5            | 31                  | 239-00045012-010  | 239-00045012-012  | 239-00045012-014 |                    |                     | 317         | 14.0               |
|                        |                         | 15              | 37                  | 239-00045015-010  | 239-00045015-012  | 239-00045015-014 |                    |                     | 381         | 16.8               |
| 6                      | 6.62-7.42               | 7.5             | 20                  | 239-00066307-010  | 239-00066307-012  | 239-00066307-014 | 150                | 169-188             | 190         | 9.1                |
|                        |                         | 10              | 27                  | 239-00066310-010  | 239-00066310-012  | 239-00066310-014 |                    |                     | 254         | 12.2               |
|                        |                         | 12.5            | 33                  | 239-00066312-010  | 239-00066312-012  | 239-00066312-014 |                    |                     | 317         | 15.0               |
|                        |                         | 15              | 39                  | 239-00066315-010  | 239-00066315-012  | 239-00066315-014 |                    |                     | 381         | 17.7               |
| 6                      | 6.84-7.64               | 7.5             | 20                  | 239-00069007-010  | 239-00069007-012  | 239-00069007-014 | 150                | 174-194             | 190         | 9.1                |
|                        |                         | 10              | 27                  | 239-00069010-010  | 239-00069010-012  | 239-00069010-014 |                    |                     | 254         | 12.2               |
|                        |                         | 12.5            | 33                  | 239-00069012-010  | 239-00069012-012  | 239-00069012-014 |                    |                     | 317         | 15.0               |
|                        |                         | 15              | 39                  | 239-00069015-010  | 239-00069015-012  | 239-00069015-014 |                    |                     | 381         | 17.7               |
| 8                      | 8.62-9.42               | 7.5             | 22                  | 239-00086307-010  | 239-00086307-012  | 239-00086307-014 | 200                | 219-239             | 190         | 10.0               |
|                        |                         | 10              | 30                  | 239-00086310-010  | 239-00086310-012  | 239-00086310-014 |                    |                     | 254         | 13.6               |
|                        |                         | 12.5            | 36                  | 239-00086312-010  | 239-00086312-012  | 239-00086312-014 |                    |                     | 317         | 16.3               |
|                        |                         | 15              | 43                  | 239-00086315-010  | 239-00086315-012  | 239-00086315-014 |                    |                     | 381         | 19.5               |
| 8                      | 8.99-9.79               | 7.5             | 22                  | 239-00090507-010  | 239-00090507-012  | 239-00090507-014 | 200                | 229-248             | 190         | 10.0               |
|                        |                         | 10              | 30                  | 239-00090510-010  | 239-00090510-012  | 239-00090510-014 |                    |                     | 254         | 13.6               |
|                        |                         | 12.5            | 36                  | 239-00090512-010  | 239-00090512-012  | 239-00090512-014 |                    |                     | 317         | 16.3               |
|                        |                         | 15              | 43                  | 239-00090515-010  | 239-00090515-012  | 239-00090515-014 |                    |                     | 381         | 19.5               |
| 10                     | 10.75-11.55             | 10              | 31                  | 239-00107510-010  | 239-00107510-012  | 239-00107510-014 | 250                | 273-293             | 254         | 14.1               |
|                        |                         | 12.5            | 40                  | 239-00107512-010  | 239-00107512-012  | 239-00107512-014 |                    |                     | 317         | 18.1               |
|                        |                         | 15              | 48                  | 239-00107515-010  | 239-00107515-012  | 239-00107515-014 |                    |                     | 381         | 21.8               |
| 10                     | 11.10-11.90             | 10              | 31                  | 239-00111010-010  | 239-00111010-012  | 239-00111010-014 | 250                | 281-310             | 254         | 14.1               |
|                        |                         | 12.5            | 40                  | 239-00111012-010  | 239-00111012-012  | 239-00111012-014 |                    |                     | 317         | 18.1               |
|                        |                         | 15              | 48                  | 239-00111015-010  | 239-00111015-012  | 239-00111015-014 |                    |                     | 381         | 21.8               |
| 12                     | 12.75-13.55             | 10              | 34                  | 239-00127510-010  | 239-00127510-012  | 239-00127510-014 | 300                | 324-353             | 254         | 15.4               |
|                        |                         | 12.5            | 43                  | 239-00127512-010  | 239-00127512-012  | 239-00127512-014 |                    |                     | 317         | 19.5               |
|                        |                         | 15              | 50                  | 239-00127515-010  | 239-00127515-012  | 239-00127515-014 |                    |                     | 381         | 22.7               |
| 12                     | 13.20-14.00             | 10              | 34                  | 239-00132010-010  | 239-00132010-012  | 239-00132010-014 | 300                | 334-364             | 254         | 15.4               |
|                        |                         | 12.5            | 43                  | 239-00132012-010  | 239-00132012-012  | 239-00132012-014 |                    |                     | 317         | 19.5               |
|                        |                         | 15              | 50                  | 239-00132015-010  | 239-00132015-012  | 239-00132015-014 |                    |                     | 381         | 22.7               |

Maximum available clamp width is 30 inches. All sizes of Full Circle®s are available with tapped outlets. Suitable anchorage must be provided when excessive pipe movement could cause the pipe to move out of the clamp.

## 3/4", 1" and 2" CC Taps - Low Alloy Bolts and Nuts

| STANDARD               |                         |                 |                     | 3/4" CC<br>20 MM | 1" CC<br>25 MM   | 2" CC<br>50 MM   | METRIC             |                     |             |                    |
|------------------------|-------------------------|-----------------|---------------------|------------------|------------------|------------------|--------------------|---------------------|-------------|--------------------|
| NOM.<br>SIZE<br>INCHES | O.D.<br>RANGE<br>INCHES | WIDTH<br>INCHES | WT.<br>EACH<br>LBS. | CATALOG NUMBER   | CATALOG NUMBER   | CATALOG NUMBER   | NOM.<br>SIZE<br>MM | O.D.<br>RANGE<br>MM | WIDTH<br>MM | WT.<br>EACH<br>KG. |
| 4                      | 4.44-5.24               | 7.5             | 19                  | 239-00045007-007 | 239-00045007-009 | 239-00045007-015 | 100                | 113-133             | 190         | 8.6                |
|                        |                         | 10              | 25                  | 239-00045010-007 | 239-00045010-009 | 239-00045010-015 |                    |                     | 254         | 11.3               |
|                        |                         | 12.5            | 31                  | 239-00045012-007 | 239-00045012-009 | 239-00045012-015 |                    |                     | 317         | 14.0               |
|                        |                         | 15              | 37                  | 239-00045015-007 | 239-00045015-009 | 239-00045015-015 |                    |                     | 381         | 16.8               |
| 6                      | 6.62-7.42               | 7.5             | 20                  | 239-00066307-007 | 239-00066307-009 | 239-00066307-015 | 150                | 169-188             | 190         | 9.1                |
|                        |                         | 10              | 27                  | 239-00066310-007 | 239-00066310-009 | 239-00066310-015 |                    |                     | 254         | 12.2               |
|                        |                         | 12.5            | 33                  | 239-00066312-007 | 239-00066312-009 | 239-00066312-015 |                    |                     | 317         | 15.0               |
|                        |                         | 15              | 39                  | 239-00066315-007 | 239-00066315-009 | 239-00066315-015 |                    |                     | 381         | 17.7               |
| 6                      | 6.84-7.64               | 7.5             | 20                  | 239-00069007-007 | 239-00069007-009 | 239-00069007-015 | 150                | 174-194             | 190         | 9.1                |
|                        |                         | 10              | 27                  | 239-00069010-007 | 239-00069010-009 | 239-00069010-015 |                    |                     | 254         | 12.2               |
|                        |                         | 12.5            | 33                  | 239-00069012-007 | 239-00069012-009 | 239-00069012-015 |                    |                     | 317         | 15.0               |
|                        |                         | 15              | 39                  | 239-00069015-007 | 239-00069015-009 | 239-00069015-015 |                    |                     | 381         | 17.7               |
| 8                      | 8.62-9.42               | 7.5             | 22                  | 239-00086307-007 | 239-00086307-009 | 239-00086307-015 | 200                | 219-239             | 190         | 10.0               |
|                        |                         | 10              | 30                  | 239-00086310-007 | 239-00086310-009 | 239-00086310-015 |                    |                     | 254         | 13.6               |
|                        |                         | 12.5            | 36                  | 239-00086312-007 | 239-00086312-009 | 239-00086312-015 |                    |                     | 317         | 16.3               |
|                        |                         | 15              | 43                  | 239-00086315-007 | 239-00086315-009 | 239-00086315-015 |                    |                     | 381         | 19.5               |
| 8                      | 8.99-9.79               | 7.5             | 22                  | 239-00090507-007 | 239-00090507-009 | 239-00090507-015 | 200                | 229-248             | 190         | 10.0               |
|                        |                         | 10              | 30                  | 239-00090510-007 | 239-00090510-009 | 239-00090510-015 |                    |                     | 254         | 13.6               |
|                        |                         | 12.5            | 36                  | 239-00090512-007 | 239-00090512-009 | 239-00090512-015 |                    |                     | 317         | 16.3               |
|                        |                         | 15              | 43                  | 239-00090515-007 | 239-00090515-009 | 239-00090515-015 |                    |                     | 381         | 19.5               |
| 10                     | 10.75-11.55             | 10              | 31                  | 239-00107510-007 | 239-00107510-009 | 239-00107510-015 | 250                | 273-293             | 254         | 14.1               |
|                        |                         | 12.5            | 40                  | 239-00107512-007 | 239-00107512-009 | 239-00107512-015 |                    |                     | 317         | 18.1               |
|                        |                         | 15              | 48                  | 239-00107515-007 | 239-00107515-009 | 239-00107515-015 |                    |                     | 381         | 21.8               |
| 10                     | 11.10-11.90             | 10              | 31                  | 239-00111010-007 | 239-00111010-009 | 239-00111010-015 | 250                | 281-310             | 254         | 14.1               |
|                        |                         | 12.5            | 40                  | 239-00111012-007 | 239-00111012-009 | 239-00111012-015 |                    |                     | 317         | 18.1               |
|                        |                         | 15              | 48                  | 239-00111015-007 | 239-00111015-009 | 239-00111015-015 |                    |                     | 381         | 21.8               |
| 12                     | 12.75-13.55             | 10              | 34                  | 239-00127510-007 | 239-00127510-009 | 239-00127510-015 | 300                | 324-353             | 254         | 15.4               |
|                        |                         | 12.5            | 43                  | 239-00127512-007 | 239-00127512-009 | 239-00127512-015 |                    |                     | 317         | 19.5               |
|                        |                         | 15              | 50                  | 239-00127515-007 | 239-00127515-009 | 239-00127515-015 |                    |                     | 381         | 22.7               |
| 12                     | 13.20-14.00             | 10              | 34                  | 239-00132010-007 | 239-00132010-009 | 239-00132010-015 | 300                | 334-364             | 254         | 15.4               |
|                        |                         | 12.5            | 43                  | 239-00132012-007 | 239-00132012-009 | 239-00132012-015 |                    |                     | 317         | 19.5               |
|                        |                         | 15              | 50                  | 239-00132015-007 | 239-00132015-009 | 239-00132015-015 |                    |                     | 381         | 22.7               |

Maximum available clamp width is 30 inches. Suitable anchorage must be provided when excessive pipe movement could cause the pipe to move out of the clamp. Other tap sizes are available.

