

BS-RCFL | v1.0 | 2026-08

# Flange Wrap Repair Clamp

Flange face weeping? Wrap the whole flange — bolts, gasket, all of it — in one shell and seal it from outside. Repairs leaking flanges, flanged tees and weld-neck joints without breaking the joint apart.

## General Specifications

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| Size Range            | DN15–DN4000                                                    |
| Sealing Pressure      | ≥1.6MPa (232 PSI)                                              |
| Body Material         | Q235 Carbon Steel / SS304 / SS316L / Duplex 2205               |
| Seal Material         | EPDM                                                           |
| Coating               | Epoxy Powder                                                   |
| Bolt Specification    | M16×80, Grade 8.8 High-Strength Bolts                          |
| Applicable Pipe Types | UPVC, HDPE, Steel, Ductile Iron, Cast Iron                     |
| Working Conditions    | Standard Pressure                                              |
| Custom Manufacturing  | Custom sizes & specifications welcome. Contact us for inquiry. |

## Available Configurations

| Body \ Pipe  | PL | DI | ST | SS      | FR      | PS      | CM      | GR      |
|--------------|----|----|----|---------|---------|---------|---------|---------|
| Carbon Steel | ✓  | ✓  | ✓  | Inquire | Inquire | Inquire | Inquire | Inquire |

✓ = Standard, with dimensions & price. — = Non-standard. Contact us.  
PL=Plastic DI=Ductile Iron ST=Steel SS=Stainless Steel FR=FRP PS=PE Skeleton CM=Cement GR=Grooved



# BS-RCFL-CSPL

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M)

Carbon steel body provides high structural strength, suitable for both above-ground and buried installations. The EPDM gasket's pre-compression design ensures reliable initial seal on the smooth, low-compression-strength surface of plastic pipes.

Flange face weeping? Wrap the whole flange — bolts, gasket, all of it — in one shell and seal it from outside. Repairs leaking flanges, flanged tees and weld-neck joints without breaking the joint apart.



|            |                   |
|------------|-------------------|
| Pressure   | ≥1.6MPa (232 PSI) |
| Size Range | φ90–φ800          |
| Variants   | 50 specs          |

## Materials & Standards

| Component | Material                              | Standard                 |
|-----------|---------------------------------------|--------------------------|
| Shell     | Carbon Steel                          | GB/T 700                 |
| Gasket    | EPDM                                  | BS EN 681-1 / GB/T 21873 |
| Bolts     | M16×80, Grade 8.8 High-Strength Bolts | ISO 898-1 / GB/T 3098.1  |
| Coating   | Epoxy Powder                          | AWWA C210 / GB/T 18593   |

# BS-RCFL-CSPL

## Dimensions & Price

| Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M)   ≥1.6MPa (232 PSI) |        |        |         |        |                  |
|-----------------------------------------------------------------------------|--------|--------|---------|--------|------------------|
| No.                                                                         | φ (mm) | L (mm) | Wt (kg) | Branch | List Price (USD) |
| 001                                                                         | 90     | 300    | 3.6     | 80     | \$81             |
| 002                                                                         | 110    | 200    | 2.0     | 100    | \$45             |
| 003                                                                         | 110    | 200    | 2.0     | 65     | \$45             |
| 004                                                                         | 110    | 200    | 2.0     | 80     | \$45             |
| 005                                                                         | 125    | 300    | 5.0     | 100    | \$112            |
| 006                                                                         | 125    | 300    | 5.4     | 125    | \$119            |
| 007                                                                         | 125    | 300    | 4.4     | 80     | \$99             |
| 008                                                                         | 160    | 200    | 2.6     | 100    | \$57             |
| 009                                                                         | 160    | 200    | 2.6     | 65     | \$57             |
| 010                                                                         | 160    | 200    | 2.6     | 80     | \$57             |
| 011                                                                         | 160    | 300    | 3.5     | 150    | \$78             |
| 012                                                                         | 200    | 200    | 3.3     | 100    | \$73             |
| 013                                                                         | 200    | 300    | 4.8     | 150    | \$106            |
| 014                                                                         | 200    | 300    | 5.8     | 80     | \$129            |
| 015                                                                         | 200    | 350    | 6.0     | 200    | \$135            |
| 016                                                                         | 225    | 300    | 6.9     | 100    | \$154            |
| 017                                                                         | 225    | 300    | 8.1     | 150    | \$181            |
| 018                                                                         | 225    | 300    | 6.9     | 80     | \$153            |
| 019                                                                         | 250    | 300    | 7.5     | 100    | \$166            |
| 020                                                                         | 250    | 300    | 8.1     | 150    | \$181            |
| 021                                                                         | 250    | 300    | 6.9     | 80     | \$154            |
| 022                                                                         | 250    | 500    | 11.6    | 200    | \$260            |
| 023                                                                         | 250    | 500    | 16.8    | 250    | \$375            |
| 024                                                                         | 315    | 300    | 8.6     | 100    | \$192            |
| 025                                                                         | 315    | 300    | 9.7     | 150    | \$215            |
| 026                                                                         | 315    | 300    | 7.7     | 80     | \$171            |
| 027                                                                         | 315    | 400    | 11.6    | 200    | \$260            |
| 028                                                                         | 315    | 500    | 14.9    | 250    | \$332            |
| 029                                                                         | 315    | 500    | 16.3    | 300    | \$363            |
| 030                                                                         | 355    | 500    | 11.1    | 100    | \$247            |
| 031                                                                         | 355    | 500    | 11.3    | 150    | \$252            |
| 032                                                                         | 355    | 500    | 11.6    | 200    | \$260            |
| 033                                                                         | 355    | 500    | 18.3    | 300    | \$408            |
| 034                                                                         | 400    | 300    | 13.5    | 100    | \$301            |
| 035                                                                         | 400    | 300    | 15.2    | 150    | \$340            |
| 036                                                                         | 400    | 300    | 13.3    | 80     | \$296            |
| 037                                                                         | 400    | 500    | 19.8    | 200    | \$441            |

| Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M)   $\geq 1.6\text{MPa}$ (232 PSI) |                |        |         |        |                  |
|------------------------------------------------------------------------------------------|----------------|--------|---------|--------|------------------|
| No.                                                                                      | $\varphi$ (mm) | L (mm) | Wt (kg) | Branch | List Price (USD) |
| 038                                                                                      | 400            | 500    | 23.0    | 300    | \$514            |
| 039                                                                                      | 500            | 500    | 19.0    | 100    | \$424            |
| 040                                                                                      | 500            | 500    | 20.0    | 150    | \$446            |
| 041                                                                                      | 500            | 500    | 22.0    | 200    | \$491            |
| 042                                                                                      | 500            | 500    | 27.0    | 300    | \$603            |
| 043                                                                                      | 630            | 500    | 32.6    | 100    | \$727            |
| 044                                                                                      | 630            | 500    | 34.9    | 150    | \$779            |
| 045                                                                                      | 630            | 500    | 41.9    | 200    | \$934            |
| 046                                                                                      | 630            | 500    | 48.0    | 300    | \$1,071          |
| 047                                                                                      | 710            | 600    | 32.1    | 100    | \$717            |
| 048                                                                                      | 710            | 600    | 36.3    | 150    | \$810            |
| 049                                                                                      | 710            | 600    | 39.1    | 200    | \$872            |
| 050                                                                                      | 800            | 600    | 41.4    | 100    | \$924            |

\* = regular stock.

1S = 1-Step Molded | 2S = 2-Step Molded | W1 = Welded (50–400) | W2 = Welded (450+)

Prices indicative — contact us for current quotation.

Wt (kg) values are approximate; actual weights may vary.

List Price, FOB Shanghai — valid 30 days, base rate 6.72

# BS-RCFL-CSDI

Shell: Carbon Steel / Pipe: Ductile Iron

Carbon steel body provides high structural strength, suitable for both above-ground and buried installations. High-torque preload against the thick-walled rigidity of ductile iron pipe creates a robust, settlement-resistant connection. The EPDM gasket compensates for minor surface irregularities common in cast iron.

Flange face weeping? Wrap the whole flange — bolts, gasket, all of it — in one shell and seal it from outside. Repairs leaking flanges, flanged tees and weld-neck joints without breaking the joint apart.



|            |                   |
|------------|-------------------|
| Pressure   | ≥1.6MPa (232 PSI) |
| Size Range | DN100-DN710       |
| Variants   | 39 specs          |

## Materials & Standards

| Component | Material                              | Standard                 |
|-----------|---------------------------------------|--------------------------|
| Shell     | Carbon Steel                          | GB/T 700                 |
| Gasket    | EPDM                                  | BS EN 681-1 / GB/T 21873 |
| Bolts     | M16×80, Grade 8.8 High-Strength Bolts | ISO 898-1 / GB/T 3098.1  |
| Coating   | Epoxy Powder                          | AWWA C210 / GB/T 18593   |

# BS-RCFL-CSDI

## Dimensions & Price

| Shell: Carbon Steel / Pipe: Ductile Iron   ≥1.6MPa (232 PSI) |     |        |         |        |                  |
|--------------------------------------------------------------|-----|--------|---------|--------|------------------|
| No.                                                          | DN  | L (mm) | Wt (kg) | Branch | List Price (USD) |
| 001                                                          | 100 | 200    | 2.0     | 100    | \$45             |
| 002                                                          | 100 | 200    | 2.0     | 80     | \$45             |
| 003                                                          | 125 | 300    | 5.2     | 100    | \$117            |
| 004                                                          | 125 | 300    | 5.7     | 125    | \$127            |
| 005                                                          | 125 | 300    | 4.8     | 80     | \$106            |
| 006                                                          | 150 | 200    | 2.6     | 100    | \$57             |
| 007                                                          | 150 | 200    | 2.6     | 80     | \$57             |
| 008                                                          | 150 | 300    | 3.5     | 150    | \$78             |
| 009                                                          | 200 | 200    | 3.3     | 100    | \$73             |
| 010                                                          | 200 | 300    | 4.8     | 150    | \$106            |
| 011                                                          | 200 | 300    | 5.8     | 80     | \$129            |
| 012                                                          | 200 | 350    | 6.0     | 200    | \$135            |
| 013                                                          | 250 | 300    | 7.6     | 100    | \$169            |
| 014                                                          | 250 | 300    | 8.1     | 150    | \$182            |
| 015                                                          | 250 | 400    | 11.6    | 200    | \$260            |
| 016                                                          | 250 | 500    | 16.3    | 250    | \$363            |
| 017                                                          | 300 | 300    | 8.8     | 100    | \$197            |
| 018                                                          | 300 | 300    | 9.8     | 150    | \$218            |
| 019                                                          | 300 | 400    | 12.5    | 200    | \$278            |
| 020                                                          | 300 | 500    | 16.3    | 300    | \$363            |
| 021                                                          | 400 | 300    | 13.5    | 100    | \$301            |
| 022                                                          | 400 | 300    | 13.3    | 80     | \$296            |
| 023                                                          | 400 | 500    | 15.8    | 150    | \$353            |
| 024                                                          | 400 | 500    | 20.0    | 200    | \$446            |
| 025                                                          | 400 | 500    | 23.0    | 300    | \$514            |
| 026                                                          | 500 | 500    | 18.6    | 100    | \$415            |
| 027                                                          | 500 | 500    | 19.5    | 150    | \$436            |
| 028                                                          | 500 | 500    | 21.2    | 200    | \$472            |
| 029                                                          | 500 | 500    | 26.7    | 300    | \$597            |
| 030                                                          | 600 | 500    | 32.6    | 100    | \$727            |
| 031                                                          | 600 | 500    | 34.9    | 150    | \$779            |
| 032                                                          | 600 | 500    | 41.9    | 200    | \$934            |
| 033                                                          | 600 | 500    | 48.0    | 300    | \$1,071          |
| 034                                                          | 600 | 800    | 26.7    | 400    | \$597            |
| 035                                                          | 600 | 800    | 32.6    | 500    | \$727            |
| 036                                                          | 600 | 800    | 34.9    | 600    | \$779            |
| 037                                                          | 710 | 600    | 32.1    | 100    | \$717            |

| Shell: Carbon Steel / Pipe: Ductile Iron   ≥1.6MPa (232 PSI) |     |        |         |        |                  |
|--------------------------------------------------------------|-----|--------|---------|--------|------------------|
| No.                                                          | DN  | L (mm) | Wt (kg) | Branch | List Price (USD) |
| 038                                                          | 710 | 600    | 36.3    | 150    | \$810            |
| 039                                                          | 710 | 600    | 39.1    | 200    | \$872            |

\* = regular stock.

Prices indicative — contact us for current quotation.

Wt (kg) values are approximate; actual weights may vary.

List Price, FOB Shanghai — valid 30 days, base rate 6.72

# BS-RCFL-CSST

Shell: Carbon Steel / Pipe: Steel

Carbon steel body provides high structural strength, suitable for both above-ground and buried installations. Engineered to accommodate thermal expansion and contraction of steel pipelines while maintaining seal integrity under fluctuating service conditions.

Flange face weeping? Wrap the whole flange — bolts, gasket, all of it — in one shell and seal it from outside. Repairs leaking flanges, flanged tees and weld-neck joints without breaking the joint apart.



|            |                   |
|------------|-------------------|
| Pressure   | ≥1.6MPa (232 PSI) |
| Size Range | DN100–DN710       |
| Variants   | 39 specs          |

## Materials & Standards

| Component | Material                              | Standard                 |
|-----------|---------------------------------------|--------------------------|
| Shell     | Carbon Steel                          | GB/T 700                 |
| Gasket    | EPDM                                  | BS EN 681-1 / GB/T 21873 |
| Bolts     | M16×80, Grade 8.8 High-Strength Bolts | ISO 898-1 / GB/T 3098.1  |
| Coating   | Epoxy Powder                          | AWWA C210 / GB/T 18593   |

# BS-RCFL-CSST

## Dimensions & Price

| Shell: Carbon Steel / Pipe: Steel   ≥1.6MPa (232 PSI) |     |        |         |        |                  |
|-------------------------------------------------------|-----|--------|---------|--------|------------------|
| No.                                                   | DN  | L (mm) | Wt (kg) | Branch | List Price (USD) |
| 001                                                   | 100 | 200    | 2.0     | 100    | \$45             |
| 002                                                   | 100 | 200    | 2.0     | 80     | \$45             |
| 003                                                   | 125 | 300    | 5.2     | 100    | \$117            |
| 004                                                   | 125 | 300    | 5.7     | 125    | \$127            |
| 005                                                   | 125 | 300    | 4.8     | 80     | \$106            |
| 006                                                   | 150 | 200    | 2.6     | 100    | \$57             |
| 007                                                   | 150 | 200    | 2.6     | 80     | \$57             |
| 008                                                   | 150 | 300    | 3.5     | 150    | \$78             |
| 009                                                   | 200 | 200    | 3.3     | 100    | \$73             |
| 010                                                   | 200 | 300    | 4.8     | 150    | \$106            |
| 011                                                   | 200 | 300    | 5.8     | 80     | \$129            |
| 012                                                   | 200 | 350    | 6.0     | 200    | \$135            |
| 013                                                   | 250 | 300    | 7.6     | 100    | \$169            |
| 014                                                   | 250 | 300    | 8.1     | 150    | \$182            |
| 015                                                   | 250 | 400    | 11.6    | 200    | \$260            |
| 016                                                   | 250 | 500    | 16.3    | 250    | \$363            |
| 017                                                   | 300 | 300    | 8.8     | 100    | \$197            |
| 018                                                   | 300 | 300    | 9.8     | 150    | \$218            |
| 019                                                   | 300 | 400    | 12.5    | 200    | \$278            |
| 020                                                   | 300 | 500    | 16.3    | 300    | \$363            |
| 021                                                   | 400 | 300    | 13.5    | 100    | \$301            |
| 022                                                   | 400 | 300    | 13.3    | 80     | \$296            |
| 023                                                   | 400 | 500    | 15.8    | 150    | \$353            |
| 024                                                   | 400 | 500    | 20.0    | 200    | \$446            |
| 025                                                   | 400 | 500    | 23.0    | 300    | \$514            |
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| 027                                                   | 500 | 500    | 19.5    | 150    | \$436            |
| 028                                                   | 500 | 500    | 21.2    | 200    | \$472            |
| 029                                                   | 500 | 500    | 26.7    | 300    | \$597            |
| 030                                                   | 600 | 500    | 32.6    | 100    | \$727            |
| 031                                                   | 600 | 500    | 34.9    | 150    | \$779            |
| 032                                                   | 600 | 500    | 41.9    | 200    | \$934            |
| 033                                                   | 600 | 500    | 48.0    | 300    | \$1,071          |
| 034                                                   | 600 | 800    | 26.7    | 400    | \$597            |
| 035                                                   | 600 | 800    | 32.6    | 500    | \$727            |
| 036                                                   | 600 | 800    | 34.9    | 600    | \$779            |
| 037                                                   | 710 | 600    | 32.1    | 100    | \$717            |

| Shell: Carbon Steel / Pipe: Steel   ≥1.6MPa (232 PSI) |     |        |         |        |                  |
|-------------------------------------------------------|-----|--------|---------|--------|------------------|
| No.                                                   | DN  | L (mm) | Wt (kg) | Branch | List Price (USD) |
| 038                                                   | 710 | 600    | 36.3    | 150    | \$810            |
| 039                                                   | 710 | 600    | 39.1    | 200    | \$872            |

\* = regular stock.  
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