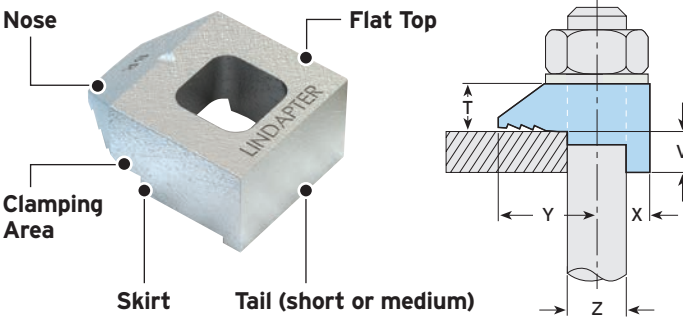
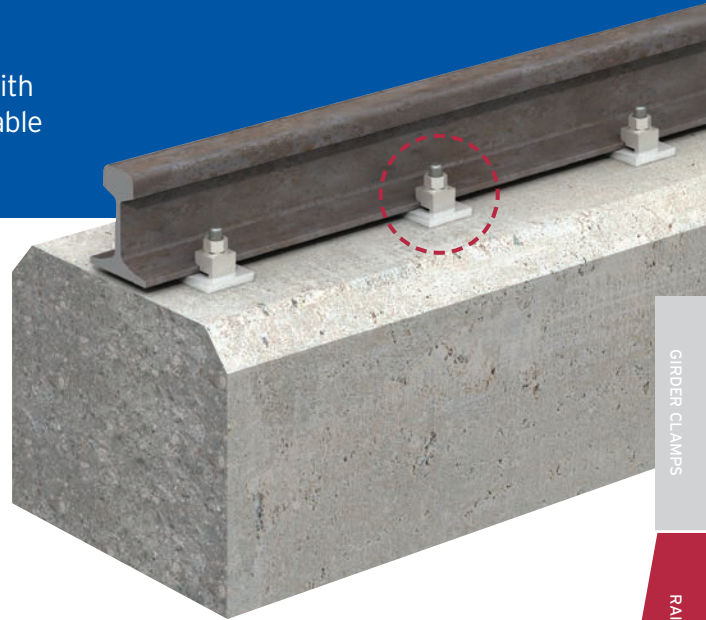


Type BR

A basic clamp for securing low speed rail or steel beams with either parallel or tapered flanges up to 8°. The tail is available in two lengths and spans slotted clearance holes.



Material: Malleable iron, zinc plated or hot dip galvanised.

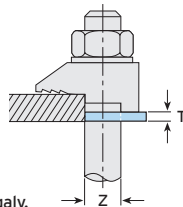
| Product Code | Bolt 8.8 Z | Standard Loads (FOS 5:1) | | | Reduced Loads (FOS 5:1) (not suitable for slip conditions) | | Dimensions | | | | | |
|--------------|------------|--------------------------|----------------------|--------------------------|---|--------------------------|------------|---------|------------------|--------------|---------|-------------|
| | | Tensile / 1 Bolt kN | Slip / 2 Bolts kN | Tightening Torque* Nm | Tensile / 1 Bolt kN | Tightening Torque* Nm | Y mm | X mm | Tail Length V | | T mm | Width mm |
| | | | | | | | | | short mm | medium mm | | |
| BR12 | M12 | 5.8 | 0.9 | 69 | 3.7 | 39 | 26 | 13 | 4 | 6 | 13 | 29 |
| BR16 | M16 | 8.5 | 1.7 | 147 | 5.2 | 93 | 30 | 16 | 6 | 8 | 16 | 35 |
| BR20 | M20 | 14.7 | 3.0 | 285 | 8.6 | 177 | 36 | 19 | 7 | 10 | 19 | 42 |

* Torque figures based on bolts / setscrews in an unlubricated condition. For further information on lubricated fasteners see page 72.

- Contact Lindapter to ensure suitability of the component for application.
- Please ensure the anchor device is suitable for the torque value shown above.

Packing Pieces and Combinations for Type BR

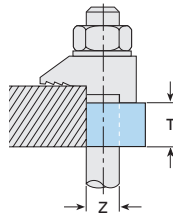
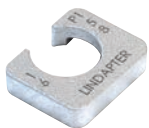
Type CW



Mild steel, zinc plated or hot dip galv.

| Product Code | Bolt Size Z | Dimension T (mm) |
|--------------|-------------|------------------|
| CW12 | M12 | 2.5 |
| CW16 | M16 | 3 |
| CW20 | M20 | 4 |

Type P1 short / Type P2 short



Mild steel, malleable iron, zinc plated or hot dip galv.

| Product Code | Bolt Size Z | Dimension T (mm) |
|--------------|-------------|------------------|
| P1S12 | M12 | 6 |
| P1S16 | M16 | 8 |
| P1S20 | M20 | 10 |
| P2S12 | M12 | 12 |
| P2S16 | M16 | 16 |
| P2S20 | M20 | 20 |

Packing Combinations for Type BR (For rails up to and including 8° slope)

➤ For thicker flanges please contact Lindapter.

| Flange Thickness mm | M12 | | | | M16 | | | | M20 | | | |
|------------------------|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|
| | BR | CW | P1S | P2S | BR | CW | P1S | P2S | BR | CW | P1S | P2S |
| 5 | S | - | - | - | - | - | - | - | - | - | - | - |
| 6 | M | - | - | - | S | - | - | - | - | - | - | - |
| 7 | S | 1 | - | - | S | - | - | - | S | - | - | - |
| 8 | M | 1 | - | - | M | - | - | - | S | - | - | - |
| 9 | S | 2 | - | - | S | 1 | - | - | S | - | - | - |
| 10 | S | 2 | - | - | S | 1 | - | - | M | - | - | - |
| 11 | M | 2 | - | - | M | 1 | - | - | S | 1 | - | - |
| 12 | M | - | 1 | - | S | 2 | - | - | S | 1 | - | - |
| 13 | S | 1 | 1 | - | S | 2 | - | - | S | 1 | - | - |
| 14 | M | 1 | 1 | - | S | - | 1 | - | M | 1 | - | - |
| 15 | S | 2 | 1 | - | S | - | 1 | - | S | 2 | - | - |
| 16 | S | 2 | 1 | - | M | - | 1 | - | S | 2 | - | - |
| 17 | M | 2 | 1 | - | S | 1 | 1 | - | S | - | 1 | - |
| 18 | M | 2 | 1 | - | S | 1 | 1 | - | M | 2 | - | - |
| 19 | S | 1 | - | 1 | M | 1 | 1 | - | S | 3 | - | - |
| 20 | M | 1 | - | 1 | S | 2 | 1 | - | M | - | 1 | - |
| 21 | M | 1 | - | 1 | S | 2 | 1 | - | M | - | 1 | - |
| 22 | S | - | 1 | 1 | S | - | - | 1 | M | 3 | - | - |
| 23 | M | 2 | - | 1 | M | - | - | 1 | M | 3 | - | - |
| 24 | M | - | 1 | 1 | M | - | - | 1 | M | 1 | 1 | - |
| 25 | S | 1 | 1 | 1 | S | 1 | - | 1 | S | 2 | 1 | - |
| 26 | M | 1 | 1 | 1 | S | 1 | - | 1 | S | 2 | 1 | - |
| 27 | S | 2 | 1 | 1 | M | 1 | - | 1 | S | - | - | 1 |
| 28 | S | - | - | 2 | S | 2 | - | 1 | M | 2 | 1 | - |
| 29 | S | - | - | 2 | S | 2 | - | 1 | M | 2 | 1 | - |
| 30 | M | - | - | 2 | M | 2 | - | 1 | M | - | - | 1 |
| 31 | S | 1 | - | 2 | M | 2 | - | 1 | S | 1 | - | 1 |

S = BR short M = BR medium CW = Type CW P1S = P1 short P2S = P2 short