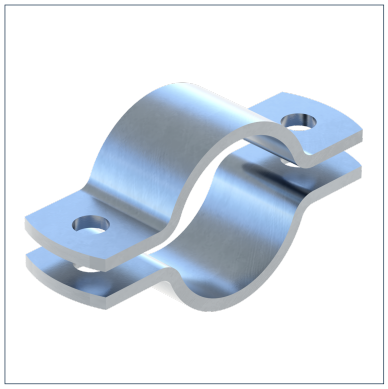
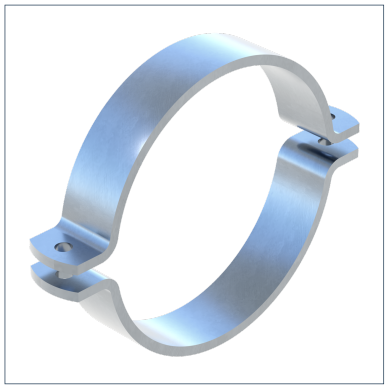
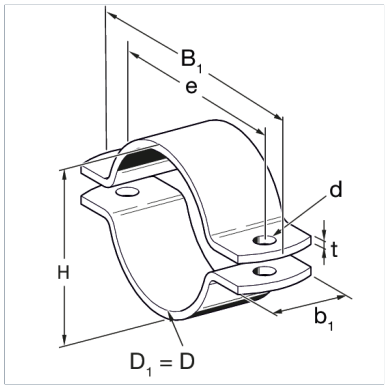
# Pipe Clamp STABIL RB-A








## General Information

For particularly high static requirements in plant construction. Design similar to DIN 3567. The perforations on both sides allow the application of standardised bolts and threaded rods out of the Sikla product range. If fixed on both sides by threaded rods M12 or M16 or threaded tubes, we recommend the application of the Support Cone SMD 1. In addition to be applied for the design of Fixed Points or Sliding Supports by welding to T-Sections.

## Installation

Tightening torque and recommended clamping bolts:

| Size range [mm] | Recommended clamping bolts | Tightening torque [Nm] |
|---|---|---|
| 14 - 49 | M10 x 40 | 20 |
| 57 - 109 | M12 x 45 | 40 |
| 109 - 163 | M12 x 50 | 40 |
| 163 - 273 | M12 x 55 | 40 |
| 317 - 374 | M16 x 60 | 100 |
| 397 - 610 | M16 x 65 | 100 |

## Material Properties

| | |
|---|---|
| Halogen-free | 0 |
| UV-resistant | 0 |

## Material

| | |
|---|---|
| Primary element material | steel |
| Surface finish | uncoated |

## Forces

| Type | -V{Z,perm.} |
|---|---|
| STABIL RB-A 14- 18 BL | 11.00 kN |
| STABIL RB-A 18- 22 BL | 11.00 kN |
| STABIL RB-A 23- 27 BL | 11.00 kN |
| STABIL RB-A 35- 39 BL | 11.00 kN |
| STABIL RB-A 45- 49 BL | 11.00 kN |
| STABIL RB-A 57- 61 BL | 15.50 kN |
| STABIL RB-A 67- 71 BL | 15.50 kN |
| STABIL RB-A 72- 77 BL | 15.50 kN |
| STABIL RB-A 84- 89 BL | 15.50 kN |

# Pipe Clamp STABIL RB-A

| Type | -V{Z,perm.} |
|---|---|
| STABIL RB-A 96- 102 BL | 22.00 kN |
| STABIL RB-A 102- 109 BL | 22.00 kN |
| STABIL RB-A 109- 115 BL | 22.00 kN |
| STABIL RB-A 128- 134 BL | 22.00 kN |
| STABIL RB-A 134- 140 BL | 22.00 kN |
| STABIL RB-A 157- 163 BL | 22.00 kN |
| STABIL RB-A 163- 169 BL | 22.00 kN |
| STABIL RB-A 188- 194 BL | 42.00 kN |
| STABIL RB-A 215- 221 BL | 42.00 kN |
| STABIL RB-A 246- 254 BL | 42.00 kN |
| STABIL RB-A 259- 266 BL | 42.00 kN |
| STABIL RB-A 266- 273 BL | 42.00 kN |
| STABIL RB-A 317- 324 BL | 42.00 kN |
| STABIL RB-A 349- 356 BL | 42.00 kN |
| STABIL RB-A 366- 374 BL | 42.00 kN |
| STABIL RB-A 397- 407 BL | 42.00 kN |
| STABIL RB-A 419- 429 BL | 42.00 kN |
| STABIL RB-A 447- 457 BL | 42.00 kN |
| STABIL RB-A 498- 508 BL | 42.00 kN |
| STABIL RB-A 520- 530 BL | 42.00 kN |
| STABIL RB-A 531- 541 BL | 42.00 kN |
| STABIL RB-A 600- 610 BL | 42.00 kN |

### Note on loadings

Admissible load valid with fixation on both sides.
The max. permissible load capacity of the connected parts (e.g. anchors) shall be considered.
The max. adm. load capacity is determined by the application of statistical methods resulting from the breaking loads, under observance of a max. adm. deformation of 1.5 mm resp. 2% of the max. stretchable pipe dia.

### Types

| Type | Size min. | Size max. | DN | Weight | Quantity | Part number |
|---|---|---|---|---|---|---|
| STABIL RB-A 14- 18 BL | 14.00 mm | 18.00 mm | DN 8 (1/4") | 0.170 kg/ pcs. | 25 pcs. | 110309 |
| STABIL RB-A 18- 22 BL | 18.00 mm | 22.00 mm | DN 15 (1/2") | 0.180 kg/ pcs. | 25 pcs. | 110310 |
| STABIL RB-A 23- 27 BL | 23.00 mm | 27.00 mm | DN 20 (3/4") | 0.190 kg/ pcs. | 25 pcs. | 110312 |

# Pipe Clamp STABIL RB-A

| Type | Size min. | Size max. | DN | Weight | Quantity | Part number |
|---|---|---|---|---|---|---|
| STABIL RB-A 35- 39 BL | 35.00 mm | 39.00 mm | DN 25 (1") | 0.240 kg/ pcs. | 25 pcs. | 110314 |
| STABIL RB-A 45- 49 BL | 45.00 mm | 49.00 mm | DN 40 (1 1/2") | 0.280 kg/ pcs. | 25 pcs. | 110316 |
| STABIL RB-A 57- 61 BL | 57.00 mm | 61.00 mm | DN 50 (2") | 0.452 kg/ pcs. | 25 pcs. | 110319 |
| STABIL RB-A 67- 71 BL | 67.00 mm | 71.00 mm | | 0.460 kg/ pcs. | 25 pcs. | 110320 |
| STABIL RB-A 72- 77 BL | 72.00 mm | 77.00 mm | DN 65 (2 1/2") | 0.528 kg/ pcs. | 25 pcs. | 110321 |
| STABIL RB-A 84- 89 BL | 84.00 mm | 89.00 mm | DN 80 (3") | 0.586 kg/ pcs. | 25 pcs. | 110322 |
| STABIL RB-A 96- 102 BL | 96.00 mm | 102.00 mm | DN 90 (3 1/2") | 0.760 kg/ pcs. | 10 pcs. | 110323 |
| STABIL RB-A 102- 109 BL | 102.00 mm | 109.00 mm | DN 100 (4") | 0.830 kg/ pcs. | 10 pcs. | 110324 |
| STABIL RB-A 109- 115 BL | 109.00 mm | 115.00 mm | DN 100 (4") | 0.901 kg/ pcs. | 10 pcs. | 110325 |
| STABIL RB-A 128- 134 BL | 128.00 mm | 134.00 mm | DN 125 (5") | 0.930 kg/ pcs. | 10 pcs. | 110327 |
| STABIL RB-A 134- 140 BL | 134.00 mm | 140.00 mm | DN 125 (5") | 1.013 kg/ pcs. | 10 pcs. | 110328 |
| STABIL RB-A 157- 163 BL | 157.00 mm | 163.00 mm | DN 150 (6") | 1.168 kg/ pcs. | 10 pcs. | 111733 |
| STABIL RB-A 163- 169 BL | 163.00 mm | 169.00 mm | DN 150 (6") | 1.926 kg/ pcs. | 10 pcs. | 110330 |
| STABIL RB-A 188- 194 BL | 188.00 mm | 194.00 mm | DN 175 (7") | 2.160 kg/ pcs. | 1 pcs. | 110332 |
| STABIL RB-A 215- 221 BL | 215.00 mm | 221.00 mm | DN 200 (8") | 2.410 kg/ pcs. | 1 pcs. | 110335 |
| STABIL RB-A 246- 254 BL | 246.00 mm | 254.00 mm | | 2.800 kg/ pcs. | 1 pcs. | 110336 |
| STABIL RB-A 259- 266 BL | 259.00 mm | 266.00 mm | DN 250 (10") | 2.920 kg/ pcs. | 1 pcs. | 110337 |
| STABIL RB-A 266- 273 BL | 266.00 mm | 273.00 mm | DN 250 (10") | 3.020 kg/ pcs. | 1 pcs. | 110338 |
| STABIL RB-A 317- 324 BL | 317.00 mm | 324.00 mm | DN 300 (12") | 4.110 kg/ pcs. | 1 pcs. | 110341 |
| STABIL RB-A 349- 356 BL | 349.00 mm | 356.00 mm | DN 350 (14") | 4.530 kg/ pcs. | 1 pcs. | 110342 |
| STABIL RB-A 366- 374 BL | 366.00 mm | 374.00 mm | DN 350 (14") | 4.840 kg/ pcs. | 1 pcs. | 110343 |
| STABIL RB-A 397- 407 BL | 397.00 mm | 407.00 mm | DN 400 (16") | 6.150 kg/ pcs. | 1 pcs. | 110344 |

# Pipe Clamp STABIL RB-A

| Type | Size min. | Size max. | DN | Weight | Quantity | Part number |
|---|---|---|---|---|---|---|
| STABIL RB-A 419- 429 BL | 419.00 mm | 429.00 mm | DN 400 (16") | 6.300 kg/ pcs. | 1 pcs. | 110345 |
| STABIL RB-A 447- 457 BL | 447.00 mm | 457.00 mm | DN 450 (18") | 6.850 kg/ pcs. | 1 pcs. | 110346 |
| STABIL RB-A 498- 508 BL | 498.00 mm | 508.00 mm | DN 500 (20") | 7.660 kg/ pcs. | 1 pcs. | 110347 |
| STABIL RB-A 520- 530 BL | 520.00 mm | 530.00 mm | DN 500 (20") | 7.850 kg/ pcs. | 1 pcs. | 110348 |
| STABIL RB-A 531- 541 BL | 531.00 mm | 541.00 mm |  | 7.910 kg/ pcs. | 1 pcs. | 110442 |
| STABIL RB-A 600- 610 BL | 600.00 mm | 610.00 mm | DN 600 (24") | 8.942 kg/ pcs. | 1 pcs. | 110443 |

**Dimensions**

| Type | B1 | b1 | D | D1 | d | e | H | t |
|---|---|---|---|---|---|---|---|---|
| STABIL RB-A 14- 18 BL | 80 mm | 30 mm | 18 mm | 18 mm | 11 mm | 52 mm | 28 mm | 5 mm |
| STABIL RB-A 18- 22 BL | 86 mm | 30 mm | 22 mm | 22 mm | 11 mm | 58 mm | 32 mm | 5 mm |
| STABIL RB-A 23- 27 BL | 93 mm | 30 mm | 27 mm | 27 mm | 11 mm | 65 mm | 37 mm | 5 mm |
| STABIL RB-A 35- 39 BL | 108 mm | 30 mm | 39 mm | 39 mm | 11 mm | 80 mm | 49 mm | 5 mm |
| STABIL RB-A 45- 49 BL | 119 mm | 30 mm | 49 mm | 49 mm | 11 mm | 91 mm | 59 mm | 5 mm |
| STABIL RB-A 57- 61 BL | 136 mm | 40 mm | 61 mm | 61 mm | 13 mm | 103 mm | 71 mm | 5 mm |
| STABIL RB-A 67- 71 BL | 147 mm | 40 mm | 71 mm | 71 mm | 13 mm | 114 mm | 81 mm | 5 mm |
| STABIL RB-A 72- 77 BL | 152 mm | 40 mm | 77 mm | 77 mm | 13 mm | 119 mm | 87 mm | 5 mm |
| STABIL RB-A 84- 89 BL | 165 mm | 40 mm | 89 mm | 89 mm | 13 mm | 132 mm | 99 mm | 5 mm |
| STABIL RB-A 96- 102 BL | 178 mm | 50 mm | 102 mm | 102 mm | 13 mm | 145 mm | 112 mm | 5 mm |
| STABIL RB-A 102- 109 BL | 185 mm | 50 mm | 109 mm | 109 mm | 13 mm | 152 mm | 119 mm | 5 mm |
| STABIL RB-A 109- 115 BL | 192 mm | 50 mm | 115 mm | 115 mm | 13 mm | 159 mm | 125 mm | 5 mm |
| STABIL RB-A 128- 134 BL | 211 mm | 50 mm | 134 mm | 134 mm | 13 mm | 178 mm | 144 mm | 5 mm |
| STABIL RB-A 134- 140 BL | 217 mm | 50 mm | 140 mm | 140 mm | 13 mm | 184 mm | 150 mm | 5 mm |
| STABIL RB-A 157- 163 BL | 241 mm | 50 mm | 163 mm | 163 mm | 13 mm | 208 mm | 173 mm | 5 mm |
| STABIL RB-A 163- 169 BL | 255 mm | 50 mm | 169 mm | 169 mm | 13 mm | 222 mm | 185 mm | 8 mm |
| STABIL RB-A 188- 194 BL | 281 mm | 50 mm | 194 mm | 194 mm | 13 mm | 248 mm | 210 mm | 8 mm |
| STABIL RB-A 215- 221 BL | 308 mm | 50 mm | 221 mm | 221 mm | 13 mm | 275 mm | 237 mm | 8 mm |
| STABIL RB-A 246- 254 BL | 341 mm | 50 mm | 254 mm | 254 mm | 13 mm | 308 mm | 270 mm | 8 mm |
| STABIL RB-A 259- 266 BL | 354 mm | 50 mm | 266 mm | 266 mm | 13 mm | 321 mm | 282 mm | 8 mm |
| STABIL RB-A 266- 273 BL | 361 mm | 50 mm | 273 mm | 273 mm | 13 mm | 328 mm | 289 mm | 8 mm |
| STABIL RB-A 317- 324 BL | 425 mm | 60 mm | 324 mm | 324 mm | 17 mm | 385 mm | 340 mm | 8 mm |
| STABIL RB-A 349- 356 BL | 457 mm | 60 mm | 356 mm | 356 mm | 17 mm | 417 mm | 372 mm | 8 mm |

# Pipe Clamp STABIL RB-A

| Type | B1 | b1 | D | D1 | d | e | H | t |
|---|---|---|---|---|---|---|---|---|
| STABIL RB-A 366- 374 BL | 475 mm | 60 mm | 374 mm | 374 mm | 17 mm | 435 mm | 390 mm | 8 mm |
| STABIL RB-A 397- 407 BL | 508 mm | 70 mm | 407 mm | 407 mm | 17 mm | 468 mm | 423 mm | 8 mm |
| STABIL RB-A 419- 429 BL | 530 mm | 70 mm | 429 mm | 429 mm | 17 mm | 490 mm | 445 mm | 8 mm |
| STABIL RB-A 447- 457 BL | 558 mm | 70 mm | 457 mm | 457 mm | 17 mm | 518 mm | 473 mm | 8 mm |
| STABIL RB-A 498- 508 BL | 609 mm | 70 mm | 508 mm | 508 mm | 17 mm | 569 mm | 524 mm | 8 mm |
| STABIL RB-A 520- 530 BL | 631 mm | 70 mm | 530 mm | 530 mm | 17 mm | 591 mm | 546 mm | 8 mm |
| STABIL RB-A 531- 541 BL | 643 mm | 70 mm | 541 mm | 541 mm | 17 mm | 603 mm | 557 mm | 8 mm |
| STABIL RB-A 600- 610 BL | 712 mm | 70 mm | 610 mm | 610 mm | 17 mm | 672 mm | 626 mm | 8 mm |

## Certification