



- Compact design: Minimal space requirement, miniature sizes
- Cylindrical screw head: fast, simple and safe assembly
- Embossed band strip: reduced risk of damage to the part being clamped
- Alternative with wing screw: tool integrated in the clamp
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# Worm Drive Clamp Mini 180

Material type R 180

W2 Band: Rust-resistant chromium steel,

Material no. 1.4016/UNS S43000

Screw and housing: Steel, zinc-plated, blue chromate finish

Material type Mini R+S 180

W4 Band and fastener: Stainless Steel,

Material no. 1.4301/UNS S30400

Screw: Stainless Steel,

Material no. 1.4305/UNS S30300

Series

| Size range     | width x thickness |                       |
|----------------|-------------------|-----------------------|
| 7.0 – 19.0 mm  | 5.0 x 0.4 mm      | Type R <sup>1</sup>   |
| 7.0 – 219.0 mm | 5.0 x 0.4 mm      | Type R+S <sup>2</sup> |

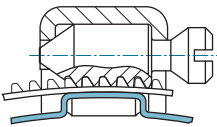
Some sizes are only available if an appropriate minimum quantity is ordered.

<sup>1</sup> Mini R = stainless

<sup>2</sup> Mini R+S = stainless and acid-proof

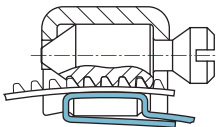
Clamp Design

Oetiker Mini R+S Worm Drive Clamps



Mini R+S

Sizes 1–7 band overlapping



Mini R+S

Above size 8, band reverse-bent

## Oetiker Mini R Worm Drive Clamps



Open state



Round state

## Assembly Recommendations

For safe tightening of screw clamps without wing screws, we recommend to use a suitable standard screwdriver.

## Maximum static tightening torques:

Mini R 70 Ncm (6 in-lb)

Mini R+S/wing screw 120 Ncm (10 in-lb)

## Order information

| Item No. | Type | Clamping range D (mm) |
|----------|------|-----------------------|
|----------|------|-----------------------|

Worm Drive Clamp Mini R<sup>1</sup>

Band width 5 mm, thickness 0.4 mm

|          |             |         |
|----------|-------------|---------|
| 18000000 | MINI R 1    | 6 – 11  |
| 18000001 | MINI R 1.5  | 7 – 15  |
| 18000002 | MINI R 2    | 11 – 19 |
| 18000248 | MINI R 1 GZ | 6 – 11  |
| 18000249 | MINI R 2 GZ | 9 – 19  |
| 18000252 | MINI 1 S    | 6 – 11  |
| 18000254 | MINI 2 S    | 11 – 19 |
| 18000255 | MINI 1 GS   | 6 – 11  |
| 18000256 | MINI 2 GS   | 9 – 19  |

S = open state with hexagon-head screw

GS = round state with hexagon-head screw

R 1, R 1.5, R 2 = open state with cylindrical screw head

R 1 GZ / R 2 GZ = round state with cylindrical screw head

## Worm Drive Clamps with cylindrical screw head Mini R+S

Band width 5 mm, thickness 0.4 mm

|          |             |           |
|----------|-------------|-----------|
| 18000003 | MINI R+S 1  | 7 – 11    |
| 18000004 | MINI R+S 2  | 11 – 19   |
| 18000005 | MINI R+S 3  | 18 – 29   |
| 18000006 | MINI R+S 4  | 28 – 39   |
| 18000007 | MINI R+S 5  | 38 – 49   |
| 18000008 | MINI R+S 6  | 48 – 59   |
| 18000009 | MINI R+S 7  | 58 – 69   |
| 18000010 | MINI R+S 8  | 68 – 79   |
| 18000011 | MINI R+S 9  | 78 – 89   |
| 18000012 | MINI R+S 10 | 88 – 99   |
| 18000013 | MINI R+S 11 | 98 – 109  |
| 18000014 | MINI R+S 12 | 108 – 119 |
| 18000015 | MINI R+S 13 | 118 – 129 |
| 18000016 | MINI R+S 14 | 128 – 139 |
| 18000017 | MINI R+S 15 | 138 – 149 |
| 18000018 | MINI R+S 16 | 148 – 159 |
| 18000019 | MINI R+S 17 | 158 – 169 |
| 18000020 | MINI R+S 18 | 168 – 179 |
| 18000021 | MINI R+S 19 | 178 – 189 |
| 18000022 | MINI R+S 20 | 188 – 199 |
| 18000023 | MINI R+S 21 | 198 – 209 |
| 18000024 | MINI R+S 22 | 208 – 219 |

| Item No. | Type | Clamping range D (mm) |
|----------|------|-----------------------|
|----------|------|-----------------------|

Worm Drive Clamps with wing screw Mini R+S<sup>2</sup>

Band width 5 mm, thickness 0.4 mm

|          |               |           |
|----------|---------------|-----------|
| 18000183 | MINI R+S F 1  | 7 – 11    |
| 18000184 | MINI R+S F 2  | 11 – 19   |
| 18000185 | MINI R+S F 3  | 18 – 29   |
| 18000186 | MINI R+S F 4  | 28 – 39   |
| 18000187 | MINI R+S F 5  | 38 – 49   |
| 18000188 | MINI R+S F 6  | 48 – 59   |
| 18000189 | MINI R+S F 7  | 58 – 69   |
| 18000190 | MINI R+S F 8  | 68 – 79   |
| 18000191 | MINI R+S F 9  | 78 – 89   |
| 18000192 | MINI R+S F 10 | 88 – 99   |
| 18000193 | MINI R+S F 11 | 98 – 109  |
| 18000194 | MINI R+S F 12 | 108 – 119 |
| 18000195 | MINI R+S F 13 | 118 – 129 |
| 18000196 | MINI R+S F 14 | 128 – 139 |
| 18000197 | MINI R+S F 15 | 138 – 149 |
| 18000198 | MINI R+S F 16 | 148 – 159 |
| 18000199 | MINI R+S F 17 | 158 – 169 |
| 18000200 | MINI R+S F 18 | 168 – 179 |
| 18000201 | MINI R+S F 19 | 178 – 189 |
| 18000202 | MINI R+S F 20 | 188 – 199 |
| 18000203 | MINI R+S F 21 | 198 – 209 |
| 18000204 | MINI R+S F 22 | 208 – 219 |

<sup>1</sup> Mini R = stainless

<sup>2</sup> Mini R+S = stainless and acid-proof