U-Rail

Floating rails are used for load bearing of radial forces and, in combination with the fixed bearing T-rail or compensation K-rail, as a support carrier for occurring moment loads.

The rails are available in 4 different sizes: 18, 28, 43, 63 mm.

Longer single rails up to max. 4080 mm on request. For longer rail systems, see section "Joined rails" in Technical Information.

Dimensions in mm.

D1 Fixing holes for Torx® screws with low head (custom design) included in scope of supply. D2 Fixing holes for countersunk head screws according to DIN 7991.

Material: Size 18, cold-drawn roller bearing carbon steel C43 F. Sizes 28-63 Cf53. Zinc-plated according to ISO 2081. Rail raceways are induction hardened and ground Max. Acceleration (m/s²): 20 (depending on application) Max. Operating Speed (m/s): 9 (depending on application) Max. Radial Load Capacity (N): 15,000 (per slider) Temperature range (°C): -20 to +120

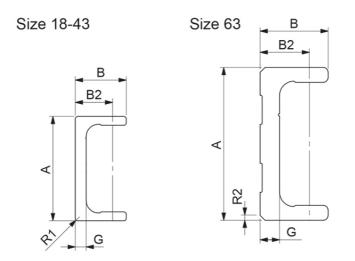


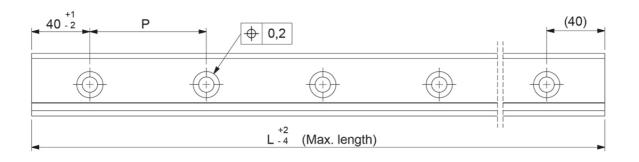
General Data

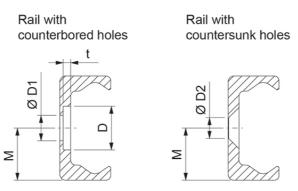
| Designation | Size |
|-------------|------|
| ULC18 | 18 |
| ULV18 | 18 |
| ULC28 | 28 |
| ULV28 | 28 |
| ULC43 | 43 |
| ULV43 | 43 |
| ULC63 | 63 |
| ULV63 | 63 |

Rollco AB • Box 22234 • 250 24 Helsingborg • Sverige Tel. +46 42 15 00 40 • info@rollco.se • org.nr 556574-0353

Dimensions







| Designation | М | Α | В | B2 | R1 | R2 | L | D | D1 |
|-------------|---|----|------|------|----|----|------|-----|----|
| ULC18 | 9 | 18 | 8.25 | 5.75 | 1 | - | 2000 | 9.5 | M4 |
| ULV18 | 9 | 18 | 8.25 | 5.75 | 1 | - | 2000 | 9.5 | M4 |

Rollco AB • Box 22234 • 250 24 Helsingborg • Sverige Tel. +46 42 15 00 40 • info@rollco.se • org.nr 556574-0353

Dimensions

| Designation | М | А | В | B2 | R1 | R2 | L | D | D1 |
|-------------|------|----|----|-------|----|-------|------|----|----|
| ULC28 | 14 | 28 | 12 | 8.5 | 1 | - | 3200 | 11 | M5 |
| ULV28 | 14 | 28 | 12 | 8.5 | 1 | - | 3200 | 11 | M5 |
| ULC43 | 21.5 | 43 | 21 | 14.5 | 1 | - | 4080 | 18 | M8 |
| ULV43 | 21.5 | 43 | 21 | 14.5 | 1 | - | 4080 | 18 | M8 |
| ULC63 | 31.5 | 63 | 28 | 19.25 | - | 2x45° | 4080 | 15 | M8 |
| ULV63 | 31.5 | 63 | 28 | 19.25 | - | 2x45° | 4080 | 15 | M8 |

| Designation | D2 | t | G | Р | Min. length |
|-------------|-----|-----|-----|----|-------------|
| ULC18 | M4 | 1.9 | 2.6 | 80 | 160 |
| ULV18 | M4 | 1.9 | 2.6 | 80 | 160 |
| ULC28 | M5 | 2 | 3 | 80 | 240 |
| ULV28 | M5 | 2 | 3 | 80 | 240 |
| ULC43 | M8 | 3.1 | 4.5 | 80 | 400 |
| ULV43 | M8 | 3.1 | 4.5 | 80 | 400 |
| ULC63 | M10 | 5.2 | 8 | 80 | 560 |
| ULV63 | M10 | 5.2 | 8 | 80 | 560 |

Rollco AB • Box 22234 • 250 24 Helsingborg • Sverige Tel. +46 42 15 00 40 • info@rollco.se • org.nr 556574-0353 Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

Load & Weight

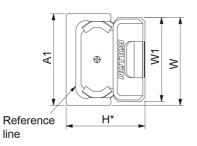
| Designation | Weight Rail (kg/m) |
|-------------|--------------------|
| ULC18 | 0.55 |
| ULV18 | 0.55 |
| ULC28 | 1.0 |
| ULV28 | 1.0 |
| ULC43 | 2.6 |
| ULV43 | 2.6 |
| ULC63 | 6.0 |
| ULV63 | 6.0 |

Rollco AB • Box 22234 • 250 24 Helsingborg • Sverige Tel. +46 42 15 00 40 • info@rollco.se • org.nr 556574-0353 Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

Rail/Slider Combination

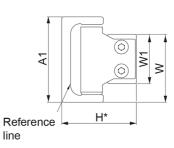
U-rail with NSW slider

* Nom. value



U-rail with NSD slider

U-rail with CSW slider



| Designation | A1 | H (Rail+NSW/NSA) | H (Rail+NSD/NSDA) | H (Rail+CSW/CSWK) | W1 (Rail+NSW/NSA) |
|-------------|------------------|------------------|-------------------|-------------------|-------------------|
| ULC18 | 18 (+0.25/-0.10) | 16,5* | n/a | 15* | 16 (0/-0.2) |
| ULV18 | 18 (+0.25/-0.10) | 16,5* | n/a | 15* | 16 (0/-0.2) |
| ULC28 | 28 (+0.25/-0.10) | 23.9* | 23.9* | 23.9* | 24.9 (0/-0.2) |
| ULV28 | 28 (+0.25/-0.10) | 23.9* | 23.9* | 23.9* | 24.9 (0/-0.2) |
| ULC43 | 43 (+0.35/-0.10) | 37* | 37* | 37* | 39.5 (0/-0.2) |
| ULV43 | 43 (+0.35/-0.10) | 37* | 37* | 37* | 39.5 (0/-0.2) |
| ULC63 | 63 (+0.35/-0.10) | 50.5* | n/a | 49.8* | 60 (0/-0.2) |
| ULV63 | 63 (+0.35/-0.10) | 50.5* | n/a | 49.8* | 60 (0/-0.2) |

| Designation | W1 (Rail+NSD/NSDA) | W1 (Rail+CSW/CSWK) | W (Rail+NSW/NSA) | W (Rail+NSD/NSDA) | W (Rail+CSW/CSWK) |
|-------------|-----------------------|-----------------------|-------------------|-------------------|----------------------|
| ULC18 | n/a | 9.5 (0/-0.05) | 17 (+0.1/-0.3) | n/a | 14 (+0.05/-0.25) |
| ULV18 | n/a | 9.5 (0/-0.05) | 17 (+0.1/-0.3) | n/a | 14 (+0.05/-0.25) |
| ULC28 | 24.9 (0/-0.2) | 14.9 (0/-0.10) | 26.45 (+0.1/-0.3) | 32 (+0.1/-0.3) | 21.7 (+0.05/-0.35) |
| ULV28 | 24.9 (0/-0.2) | 14.9 (0/-0.10) | 26.45 (+0.1/-0.3) | 32 (+0.1/-0.3) | 21.7 (+0.05/-0.35) |
| ULC43 | 39.5 (0/-0.2) | 24.9 (0/-0.15) | 41.25 (+0.2/-0.4) | 47 (+0.2/-0.4) | 34.3 (+0.15/-0.30) |
| ULV43 | 39.5 (0/-0.2) | 24.9 (0/-0.15) | 41.25 (+0.2/-0.4) | 47 (+0.2/-0.4) | 34.3 (+0.15/-0.30) |
| ULC63 | n/a | 39.5 (+0.15/0) | 61.5 (+0.2/-0.4) | n/a | 51.6 (+0.15/ -0.30) |
| ULV63 | n/a | 39.5 (+0.15/0) | 61.5 (+0.2/-0.4) | n/a | 51.6 (+0.15/ -0.30) |

Rollco AB • Box 22234 • 250 24 Helsingborg • Sverige Tel. +46 42 15 00 40 • info@rollco.se • org.nr 556574-0353

Page 6 of 6

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.