

Slider CSW/CSWK

Constructed with zinc-plated steel body and sturdy wipers made of polyamide. Available for all sizes. Depending on the load requirement, slider is configurable with up to six rollers.

Standard sliders are supplied with rollers with 2Z steel disc seals. For dusty environment and splash-proof applications, 2RS rubber seal rollers are available.

The CSWK-sliders, which are made for rail type K, have rollers with circular cross profile. The main load direction should always be on the largest number of the slider-wheels and those wheels should always run on the V-shaped raceway of the K-Rail. So for a typical slider with 3 wheels, the two outer wheels should carry the majority of the load and run in the V-shape and the third (middle) wheel should run on the flat raceway in the K-Rail.

For CSW/CSWK-sliders, the wipers are delivered un-assembled and need to be correctly oriented and assembled. For wipers for K-rails it is especially important that the wipers are laterally adjusted to the rail. In cases when a complete system of rail + slider(s) is ordered, wipers are already assembled, oriented, and adjusted to the rail.

Dimensions in mm.

Material: DIN 11SMnPb28. Zinc-plated according to ISO 2081.

Max. Radial Load Capacity (N): 15,000 (per slider)

Temperature range (°C): -20 to +120



General Data

| Designation | Size | Max. Speed (m/s) | Max. Acceleration (m/s) | Roller type | Number of rollers |
|-------------------|------|------------------|-------------------------|-------------|-------------------|
| CSW18-60-2RS-T | 18 | 3 | 10 | CPA18-CPN18 | 3 |
| CSW18-60-2RS-U | 18 | 3 | 10 | CPA18-CPN18 | 3 |
| CSW18-60-2Z-T | 18 | 3 | 10 | CPA18-CPN18 | 3 |
| CSW18-60-2Z-U | 18 | 3 | 10 | CPA18-CPN18 | 3 |
| CSW18-80-2RS-A-T | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-80-2RS-A-U | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-80-2Z-A-T | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-80-2Z-A-U | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-80-2RS-B-T | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-80-2RS-B-U | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-80-2Z-B-T | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-80-2Z-B-U | 18 | 3 | 10 | CPA18 | 4 |
| CSW18-100-2RS-T | 18 | 3 | 10 | CPA18 | 5 |
| CSW18-100-2RS-U | 18 | 3 | 10 | CPA18 | 5 |
| CSW18-100-2Z-T | 18 | 3 | 10 | CPA18 | 5 |
| CSW18-100-2Z-U | 18 | 3 | 10 | CPA18 | 5 |
| CSW18-120-2RS-A-T | 18 | 3 | 10 | CPA18 | 6 |
| CSW18-120-2RS-A-U | 18 | 3 | 10 | CPA18 | 6 |
| CSW18-120-2Z-A-T | 18 | 3 | 10 | CPA18 | 6 |
| CSW18-120-2Z-A-U | 18 | 3 | 10 | CPA18 | 6 |
| CSW18-120-2RS-B-T | 18 | 3 | 10 | CPA18 | 6 |
| CSW18-120-2RS-B-U | 18 | 3 | 10 | CPA18 | 6 |
| CSW18-120-2Z-B-T | 18 | 3 | 10 | CPA18 | 6 |
| CSW18-120-2Z-B-U | 18 | 3 | 10 | CPA18 | 6 |
| CSW28-80-2RS-T | 28 | 5 | 15 | CPA28-CPN28 | 3 |
| CSW28-80-2RS-U | 28 | 5 | 15 | CPA28-CPN28 | 3 |
| CSW28-80-2Z-T | 28 | 5 | 15 | CPA28-CPN28 | 3 |
| CSW28-80-2Z-U | 28 | 5 | 15 | CPA28-CPN28 | 3 |
| CSW28-100-2RS-A-T | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-100-2RS-A-U | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-100-2Z-A-T | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-100-2Z-A-U | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-100-2RS-B-T | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-100-2RS-B-U | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-100-2Z-B-T | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-100-2Z-B-U | 28 | 5 | 15 | CPA28 | 4 |
| CSW28-125-2RS-T | 28 | 5 | 15 | CPA28 | 5 |
| CSW28-125-2RS-U | 28 | 5 | 15 | CPA28 | 5 |
| CSW28-125-2Z-T | 28 | 5 | 15 | CPA28 | 5 |
| CSW28-125-2Z-U | 28 | 5 | 15 | CPA28 | 5 |
| CSW28-150-2RS-A-T | 28 | 5 | 15 | CPA28 | 6 |
| CSW28-150-2RS-A-U | 28 | 5 | 15 | CPA28 | 6 |
| CSW28-150-2Z-A-T | 28 | 5 | 15 | CPA28 | 6 |

| Designation | Size | Max. Speed (m/s) | Max. Acceleration (m/s) | Roller type | Number of rollers |
|-------------------|------|------------------|-------------------------|---------------|-------------------|
| CSW28-150-2Z-A-U | 28 | 5 | 15 | CPA28 | 6 |
| CSW28-150-2RS-B-T | 28 | 5 | 15 | CPA28 | 6 |
| CSW28-150-2RS-B-U | 28 | 5 | 15 | CPA28 | 6 |
| CSW28-150-2Z-B-T | 28 | 5 | 15 | CPA28 | 6 |
| CSW28-150-2Z-B-U | 28 | 5 | 15 | CPA28 | 6 |
| CSW43-120-2RS-T | 43 | 7 | 15 | CPA43-CPN43 | 3 |
| CSW43-120-2RS-U | 43 | 7 | 15 | CPA43-CPN43 | 3 |
| CSW43-120-2Z-T | 43 | 7 | 15 | CPA43-CPN43 | 3 |
| CSW43-120-2Z-U | 43 | 7 | 15 | CPA43-CPN43 | 3 |
| CSW43-150-2RS-A-T | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-150-2RS-A-U | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-150-2Z-A-T | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-150-2Z-A-U | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-150-2RS-B-T | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-150-2RS-B-U | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-150-2Z-B-T | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-150-2Z-B-U | 43 | 7 | 15 | CPA43 | 4 |
| CSW43-190-2RS-T | 43 | 7 | 15 | CPA43 | 5 |
| CSW43-190-2RS-U | 43 | 7 | 15 | CPA43 | 5 |
| CSW43-190-2Z-T | 43 | 7 | 15 | CPA43 | 5 |
| CSW43-190-2Z-U | 43 | 7 | 15 | CPA43 | 5 |
| CSW43-230-2RS-A-T | 43 | 7 | 15 | CPA43 | 6 |
| CSW43-230-2RS-A-U | 43 | 7 | 15 | CPA43 | 6 |
| CSW43-230-2Z-A-T | 43 | 7 | 15 | CPA43 | 6 |
| CSW43-230-2Z-A-U | 43 | 7 | 15 | CPA43 | 6 |
| CSW43-230-2RS-B-T | 43 | 7 | 15 | CPA43 | 6 |
| CSW43-230-2RS-B-U | 43 | 7 | 15 | CPA43 | 6 |
| CSW43-230-2Z-B-T | 43 | 7 | 15 | CPA43 | 6 |
| CSW43-230-2Z-B-U | 43 | 7 | 15 | CPA43 | 6 |
| CSWK43-120-2Z | 43 | 7 | 15 | CRPA43-CRPN43 | 3 |
| CSWK43-150-2Z-A | 43 | 7 | 15 | CRPA43 | 4 |
| CSWK43-150-2Z-B | 43 | 7 | 15 | CRPA43 | 4 |
| CSWK43-190-2Z | 43 | 7 | 15 | CRPA43 | 5 |
| CSWK43-230-2Z-A | 43 | 7 | 15 | CRPA43 | 6 |
| CSWK43-230-2Z-B | 43 | 7 | 15 | CRPA43 | 6 |
| CSW63-180-2ZR-T | 63 | 9 | 20 | CPA63 | 3 |
| CSW63-180-2ZR-U | 63 | 9 | 20 | CPA63 | 3 |
| CSW63-235-2ZR-A-T | 63 | 9 | 20 | CPA63 | 4 |
| CSW63-235-2ZR-A-U | 63 | 9 | 20 | CPA63 | 4 |
| CSW63-235-2ZR-B-T | 63 | 9 | 20 | CPA63 | 4 |
| CSW63-235-2ZR-B-U | 63 | 9 | 20 | CPA63 | 4 |
| CSW63-290-2ZR-T | 63 | 9 | 20 | CPA63 | 5 |
| CSW63-290-2ZR-U | 63 | 9 | 20 | CPA63 | 5 |
| CSW63-345-2ZR-A-T | 63 | 9 | 20 | CPA63 | 6 |
| CSW63-345-2ZR-A-U | 63 | 9 | 20 | CPA63 | 6 |

| Designation | Size | Max. Speed (m/s) | Max. Acceleration (m/s) | Roller type | Number of rollers |
|-------------------|------|------------------|-------------------------|-------------|-------------------|
| CSW63-345-2ZR-B-T | 63 | 9 | 20 | CPA63 | 6 |
| CSW63-345-2ZR-B-U | 63 | 9 | 20 | CPA63 | 6 |
| CSWK63-180-2ZR | 63 | 9 | 20 | CRPA63 | 3 |
| CSWK63-235-2ZR-A | 63 | 9 | 20 | CRPA63 | 4 |
| CSWK63-235-2ZR-B | 63 | 9 | 20 | CRPA63 | 4 |
| CSWK63-290-2ZR | 63 | 9 | 20 | CRPA63 | 5 |
| CSWK63-345-2ZR-A | 63 | 9 | 20 | CRPA63 | 6 |
| CSWK63-345-2ZR-B | 63 | 9 | 20 | CRPA63 | 6 |

| Designation | Number of Fixing Holes |
|-------------------|------------------------|
| CSW18-60-2RS-T | 2 |
| CSW18-60-2RS-U | 2 |
| CSW18-60-2Z-T | 2 |
| CSW18-60-2Z-U | 2 |
| CSW18-80-2RS-A-T | 2 |
| CSW18-80-2RS-A-U | 2 |
| CSW18-80-2Z-A-T | 2 |
| CSW18-80-2Z-A-U | 2 |
| CSW18-80-2RS-B-T | 2 |
| CSW18-80-2RS-B-U | 2 |
| CSW18-80-2Z-B-T | 2 |
| CSW18-80-2Z-B-U | 2 |
| CSW18-100-2RS-T | 4 |
| CSW18-100-2RS-U | 4 |
| CSW18-100-2Z-T | 4 |
| CSW18-100-2Z-U | 4 |
| CSW18-120-2RS-A-T | 3 |
| CSW18-120-2RS-A-U | 3 |
| CSW18-120-2Z-A-T | 3 |
| CSW18-120-2Z-A-U | 3 |
| CSW18-120-2RS-B-T | 3 |
| CSW18-120-2RS-B-U | 3 |
| CSW18-120-2Z-B-T | 3 |
| CSW18-120-2Z-B-U | 3 |
| CSW28-80-2RS-T | 2 |
| CSW28-80-2RS-U | 2 |
| CSW28-80-2Z-T | 2 |
| CSW28-80-2Z-U | 2 |
| CSW28-100-2RS-A-T | 2 |
| CSW28-100-2RS-A-U | 2 |
| CSW28-100-2Z-A-T | 2 |
| CSW28-100-2Z-A-U | 2 |
| CSW28-100-2RS-B-T | 2 |
| CSW28-100-2RS-B-U | 2 |
| CSW28-100-2Z-B-T | 2 |

| Designation | Number of Fixing Holes |
|-------------------|------------------------|
| CSW28-100-2Z-B-U | 2 |
| CSW28-125-2RS-T | 4 |
| CSW28-125-2RS-U | 4 |
| CSW28-125-2Z-T | 4 |
| CSW28-125-2Z-U | 4 |
| CSW28-150-2RS-A-T | 3 |
| CSW28-150-2RS-A-U | 3 |
| CSW28-150-2Z-A-T | 3 |
| CSW28-150-2Z-A-U | 3 |
| CSW28-150-2RS-B-T | 3 |
| CSW28-150-2RS-B-U | 3 |
| CSW28-150-2Z-B-T | 3 |
| CSW28-150-2Z-B-U | 3 |
| CSW43-120-2RS-T | 2 |
| CSW43-120-2RS-U | 2 |
| CSW43-120-2Z-T | 2 |
| CSW43-120-2Z-U | 2 |
| CSW43-150-2RS-A-T | 2 |
| CSW43-150-2RS-A-U | 2 |
| CSW43-150-2Z-A-T | 2 |
| CSW43-150-2Z-A-U | 2 |
| CSW43-150-2RS-B-T | 2 |
| CSW43-150-2RS-B-U | 2 |
| CSW43-150-2Z-B-T | 2 |
| CSW43-150-2Z-B-U | 2 |
| CSW43-190-2RS-T | 4 |
| CSW43-190-2RS-U | 4 |
| CSW43-190-2Z-T | 4 |
| CSW43-190-2Z-U | 4 |
| CSW43-230-2RS-A-T | 3 |
| CSW43-230-2RS-A-U | 3 |
| CSW43-230-2Z-A-T | 3 |
| CSW43-230-2Z-A-U | 3 |
| CSW43-230-2RS-B-T | 3 |
| CSW43-230-2RS-B-U | 3 |
| CSW43-230-2Z-B-T | 3 |
| CSW43-230-2Z-B-U | 3 |
| CSWK43-120-2Z | 2 |
| CSWK43-150-2Z-A | 2 |
| CSWK43-150-2Z-B | 2 |
| CSWK43-190-2Z | 4 |
| CSWK43-230-2Z-A | 3 |
| CSWK43-230-2Z-B | 3 |
| CSW63-180-2ZR-T | 4 |
| CSW63-180-2ZR-U | 4 |

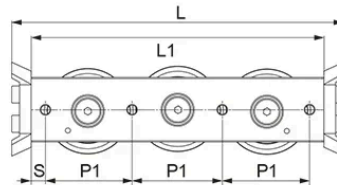
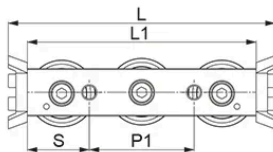
| Designation | Number of Fixing Holes |
|-------------------|------------------------|
| CSW63-235-2ZR-A-T | 5 |
| CSW63-235-2ZR-A-U | 5 |
| CSW63-235-2ZR-B-T | 5 |
| CSW63-235-2ZR-B-U | 5 |
| CSW63-290-2ZR-T | 6 |
| CSW63-290-2ZR-U | 6 |
| CSW63-345-2ZR-A-T | 7 |
| CSW63-345-2ZR-A-U | 7 |
| CSW63-345-2ZR-B-T | 7 |
| CSW63-345-2ZR-B-U | 7 |
| CSWK63-180-2ZR | 4 |
| CSWK63-235-2ZR-A | 5 |
| CSWK63-235-2ZR-B | 5 |
| CSWK63-290-2ZR | 6 |
| CSWK63-345-2ZR-A | 7 |
| CSWK63-345-2ZR-B | 7 |

Dimensions

Sizes 18-28-43

Size 63

CSW/CSWK
with 3 rollers



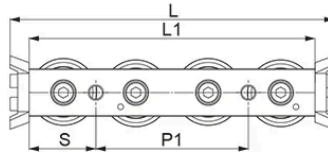
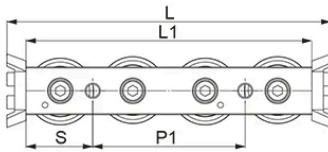
Representation of slider with wiper

Size 18-28-43

Configuration A

Configuration B

CSW/CSWK
with 4 rollers



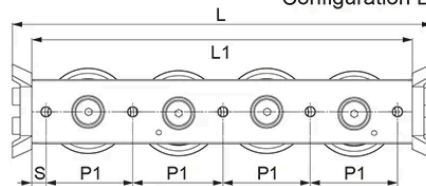
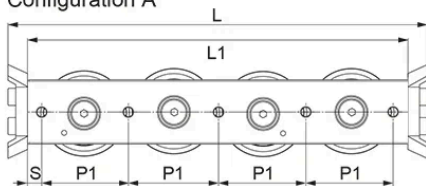
Representation of slider with wiper

Size 63

Configuration A

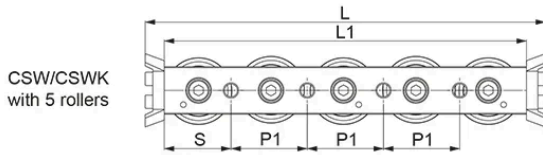
Configuration B

CSW/CSWK
with 4 rollers



Representation of slider with wiper

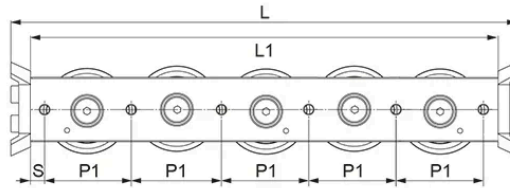
Sizes 18-28-43



CSW/CSWK with 5 rollers

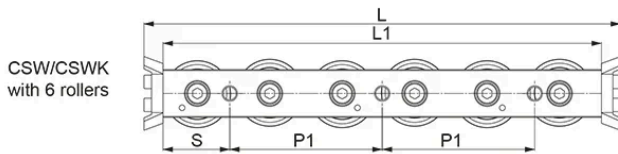
Representation of slider with wiper

Size 63



Size 18-28-43

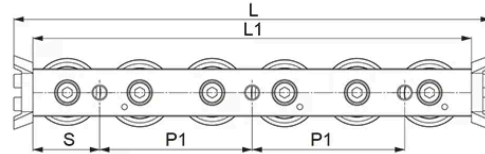
Configuration A



CSW/CSWK with 6 rollers

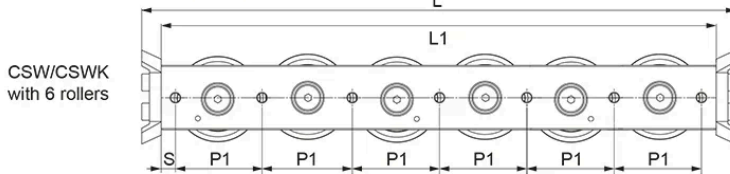
Representation of slider with wiper

Configuration B



Size 63

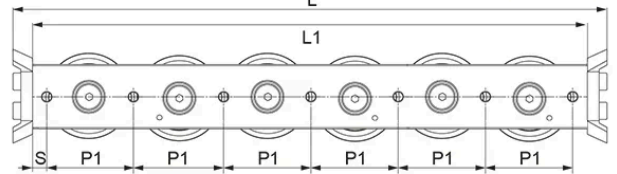
Configuration A



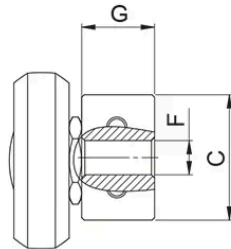
CSW/CSWK with 6 rollers

Representation of slider with wiper

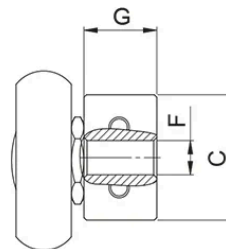
Configuration B



CS-slider with prismatic rollers for use in T- and U-rails



CSK-slider with crowned rollers for use in K-rails sizes 43 and 63

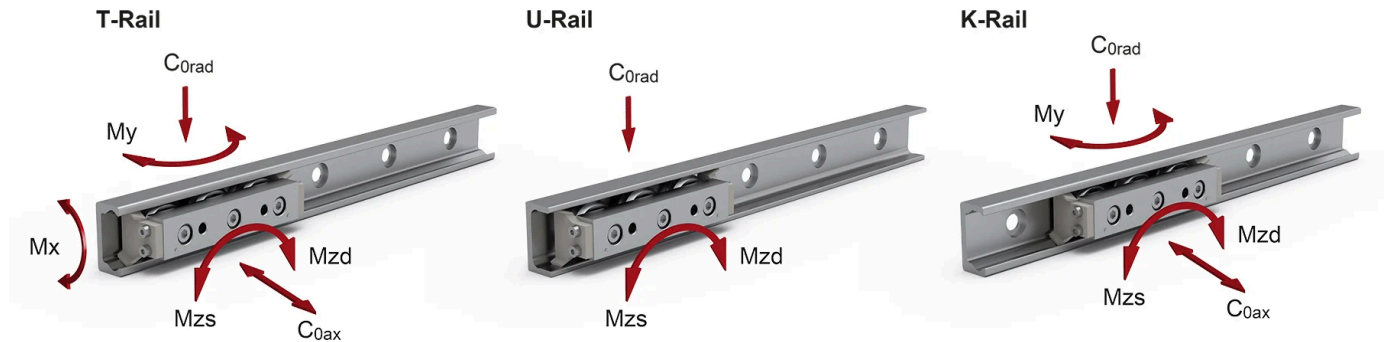


| Designation | L1 | L | C | G | F | P1 | S |
|------------------|-----|-----|-----|-----|----|----|----|
| CSW18-60-2RS-T | 60 | 76 | 9.5 | 5.7 | M5 | 20 | 20 |
| CSW18-60-2RS-U | 60 | 76 | 9.5 | 5.7 | M5 | 20 | 20 |
| CSW18-60-2Z-T | 60 | 76 | 9.5 | 5.7 | M5 | 20 | 20 |
| CSW18-60-2Z-U | 60 | 76 | 9.5 | 5.7 | M5 | 20 | 20 |
| CSW18-80-2RS-A-T | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-80-2RS-A-U | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-80-2Z-A-T | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-80-2Z-A-U | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-80-2RS-B-T | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-80-2RS-B-U | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-80-2Z-B-T | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-80-2Z-B-U | 80 | 96 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-100-2RS-T | 100 | 116 | 9.5 | 5.7 | M5 | 20 | 20 |

| Designation | L1 | L | C | G | F | P1 | S |
|-------------------|-----|-----|------|------|----|----|------|
| CSW18-100-2RS-U | 100 | 116 | 9.5 | 5.7 | M5 | 20 | 20 |
| CSW18-100-2Z-T | 100 | 116 | 9.5 | 5.7 | M5 | 20 | 20 |
| CSW18-100-2Z-U | 100 | 116 | 9.5 | 5.7 | M5 | 20 | 20 |
| CSW18-120-2RS-A-T | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-120-2RS-A-U | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-120-2Z-A-T | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-120-2Z-A-U | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-120-2RS-B-T | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-120-2RS-B-U | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-120-2Z-B-T | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW18-120-2Z-B-U | 120 | 136 | 9.5 | 5.7 | M5 | 40 | 20 |
| CSW28-80-2RS-T | 80 | 100 | 14.9 | 9.7 | M5 | 35 | 22.5 |
| CSW28-80-2RS-U | 80 | 100 | 14.9 | 9.7 | M5 | 35 | 22.5 |
| CSW28-80-2Z-T | 80 | 100 | 14.9 | 9.7 | M5 | 35 | 22.5 |
| CSW28-80-2Z-U | 80 | 100 | 14.9 | 9.7 | M5 | 35 | 22.5 |
| CSW28-100-2RS-A-T | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-100-2RS-A-U | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-100-2Z-A-T | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-100-2Z-A-U | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-100-2RS-B-T | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-100-2RS-B-U | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-100-2Z-B-T | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-100-2Z-B-U | 100 | 120 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-125-2RS-T | 125 | 145 | 14.9 | 9.7 | M5 | 25 | 25 |
| CSW28-125-2RS-U | 125 | 145 | 14.9 | 9.7 | M5 | 25 | 25 |
| CSW28-125-2Z-T | 125 | 145 | 14.9 | 9.7 | M5 | 25 | 25 |
| CSW28-125-2Z-U | 125 | 145 | 14.9 | 9.7 | M5 | 25 | 25 |
| CSW28-150-2RS-A-T | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-150-2RS-A-U | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-150-2Z-A-T | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-150-2Z-A-U | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-150-2RS-B-T | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-150-2RS-B-U | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-150-2Z-B-T | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW28-150-2Z-B-U | 150 | 170 | 14.9 | 9.7 | M5 | 50 | 25 |
| CSW43-120-2RS-T | 120 | 140 | 24.9 | 14.5 | M8 | 55 | 32.5 |
| CSW43-120-2RS-U | 120 | 140 | 24.9 | 14.5 | M8 | 55 | 32.5 |
| CSW43-120-2Z-T | 120 | 140 | 24.9 | 14.5 | M8 | 55 | 32.5 |
| CSW43-120-2Z-U | 120 | 140 | 24.9 | 14.5 | M8 | 55 | 32.5 |
| CSW43-150-2RS-A-T | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-150-2RS-A-U | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-150-2Z-A-T | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-150-2Z-A-U | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-150-2RS-B-T | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-150-2RS-B-U | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |

| Designation | L1 | L | C | G | F | P1 | S |
|-------------------|-----|-----|------|------|----|----|------|
| CSW43-150-2Z-B-T | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-150-2Z-B-U | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-190-2RS-T | 190 | 210 | 24.9 | 14.5 | M8 | 40 | 35 |
| CSW43-190-2RS-U | 190 | 210 | 24.9 | 14.5 | M8 | 40 | 35 |
| CSW43-190-2Z-T | 190 | 210 | 24.9 | 14.5 | M8 | 40 | 35 |
| CSW43-190-2Z-U | 190 | 210 | 24.9 | 14.5 | M8 | 40 | 35 |
| CSW43-230-2RS-A-T | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-230-2RS-A-U | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-230-2Z-A-T | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-230-2Z-A-U | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-230-2RS-B-T | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-230-2RS-B-U | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-230-2Z-B-T | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW43-230-2Z-B-U | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSWK43-120-2Z | 120 | 140 | 24.9 | 14.5 | M8 | 55 | 32.5 |
| CSWK43-150-2Z-A | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSWK43-150-2Z-B | 150 | 170 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSWK43-190-2Z | 190 | 210 | 24.9 | 14.5 | M8 | 40 | 35 |
| CSWK43-230-2Z-A | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSWK43-230-2Z-B | 230 | 250 | 24.9 | 14.5 | M8 | 80 | 35 |
| CSW63-180-2ZR-T | 180 | 200 | 39.5 | 19.5 | M8 | 54 | 9 |
| CSW63-180-2ZR-U | 180 | 200 | 39.5 | 19.5 | M8 | 54 | 9 |
| CSW63-235-2ZR-A-T | 235 | 255 | 39.5 | 19.5 | M8 | 54 | 9.5 |
| CSW63-235-2ZR-A-U | 235 | 255 | 39.5 | 19.5 | M8 | 54 | 9.5 |
| CSW63-235-2ZR-B-T | 235 | 255 | 39.5 | 19.5 | M8 | 54 | 9.5 |
| CSW63-235-2ZR-B-U | 235 | 255 | 39.5 | 19.5 | M8 | 54 | 9.5 |
| CSW63-290-2ZR-T | 290 | 310 | 39.5 | 19.5 | M8 | 54 | 10 |
| CSW63-290-2ZR-U | 290 | 310 | 39.5 | 19.5 | M8 | 54 | 10 |
| CSW63-345-2ZR-A-T | 345 | 365 | 39.5 | 19.5 | M8 | 54 | 10.5 |
| CSW63-345-2ZR-A-U | 345 | 365 | 39.5 | 19.5 | M8 | 54 | 10.5 |
| CSW63-345-2ZR-B-T | 345 | 365 | 39.5 | 19.5 | M8 | 54 | 10.5 |
| CSW63-345-2ZR-B-U | 345 | 365 | 39.5 | 19.5 | M8 | 54 | 10.5 |
| CSWK63-180-2ZR | 180 | 200 | 39.5 | 19.5 | M8 | 54 | 9 |
| CSWK63-235-2ZR-A | 235 | 255 | 39.5 | 19.5 | M8 | 54 | 9.5 |
| CSWK63-235-2ZR-B | 235 | 255 | 39.5 | 19.5 | M8 | 54 | 9.5 |
| CSWK63-290-2ZR | 290 | 310 | 39.5 | 19.5 | M8 | 54 | 10 |
| CSWK63-345-2ZR-A | 345 | 365 | 39.5 | 19.5 | M8 | 54 | 10.5 |
| CSWK63-345-2ZR-B | 345 | 365 | 39.5 | 19.5 | M8 | 54 | 10.5 |

Load & Weight



The load capacities in the following tables each apply for one slider. When using the slider in U-rails (floating bearing rails) the values are $C_{0ax} = 0$, $M_x = 0$ and $M_y = 0$. When using the sliders in K-rails (compensation rails) the value is: $M_x = 0$.

| Designation | C (N) | C_{0rad} (N) | C_{0ax} (N) | M_x (Nm) | M_y (Nm) |
|-------------------|-------|----------------|---------------|------------|------------|
| CSW18-60-2RS-T | 1530 | 820 | 260 | 1.5 | 4.7 |
| CSW18-60-2RS-U | 1530 | 820 | 260 | 1.5 | 4.7 |
| CSW18-60-2Z-T | 1530 | 820 | 260 | 1.5 | 4.7 |
| CSW18-60-2Z-U | 1530 | 820 | 260 | 1.5 | 4.7 |
| CSW18-80-2RS-A-T | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-80-2RS-A-U | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-80-2Z-A-T | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-80-2Z-A-U | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-80-2RS-B-T | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-80-2RS-B-U | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-80-2Z-B-T | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-80-2Z-B-U | 1530 | 820 | 300 | 2.8 | 7 |
| CSW18-100-2RS-T | 1830 | 975 | 360 | 2.8 | 9.4 |
| CSW18-100-2RS-U | 1830 | 975 | 360 | 2.8 | 9.4 |
| CSW18-100-2Z-T | 1830 | 975 | 360 | 2.8 | 9.4 |
| CSW18-100-2Z-U | 1830 | 975 | 360 | 2.8 | 9.4 |
| CSW18-120-2RS-A-T | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW18-120-2RS-A-U | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW18-120-2Z-A-T | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW18-120-2Z-A-U | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW18-120-2RS-B-T | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW18-120-2RS-B-U | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW18-120-2Z-B-T | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW18-120-2Z-B-U | 1830 | 975 | 440 | 3.3 | 11.8 |
| CSW28-80-2RS-T | 4260 | 2170 | 640 | 6.2 | 16 |
| CSW28-80-2RS-U | 4260 | 2170 | 640 | 6.2 | 16 |
| CSW28-80-2Z-T | 4260 | 2170 | 640 | 6.2 | 16 |
| CSW28-80-2Z-U | 4260 | 2170 | 640 | 6.2 | 16 |
| CSW28-100-2RS-A-T | 4260 | 2170 | 750 | 11.5 | 21.7 |
| CSW28-100-2RS-A-U | 4260 | 2170 | 750 | 11.5 | 21.7 |
| CSW28-100-2Z-A-T | 4260 | 2170 | 750 | 11.5 | 21.7 |
| CSW28-100-2Z-A-U | 4260 | 2170 | 750 | 11.5 | 21.7 |

| Designation | C (N) | C0rad (N) | C0ax (N) | Mx (Nm) | My (Nm) |
|-------------------|-------|-----------|----------|---------|---------|
| CSW28-100-2RS-B-T | 4260 | 2170 | 750 | 11.5 | 21.7 |
| CSW28-100-2RS-B-U | 4260 | 2170 | 750 | 11.5 | 21.7 |
| CSW28-100-2Z-B-T | 4260 | 2170 | 750 | 11.5 | 21.7 |
| CSW28-100-2Z-B-U | 4260 | 2170 | 750 | 11.5 | 21.7 |
| CSW28-125-2RS-T | 5065 | 2580 | 900 | 11.5 | 29 |
| CSW28-125-2RS-U | 5065 | 2580 | 900 | 11.5 | 29 |
| CSW28-125-2Z-T | 5065 | 2580 | 900 | 11.5 | 29 |
| CSW28-125-2Z-U | 5065 | 2580 | 900 | 11.5 | 29 |
| CSW28-150-2RS-A-T | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW28-150-2RS-A-U | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW28-150-2Z-A-T | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW28-150-2Z-A-U | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW28-150-2RS-B-T | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW28-150-2RS-B-U | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW28-150-2Z-B-T | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW28-150-2Z-B-U | 5065 | 2580 | 1070 | 13.7 | 36.2 |
| CSW43-120-2RS-T | 12280 | 5500 | 1570 | 23.6 | 60 |
| CSW43-120-2RS-U | 12280 | 5500 | 1570 | 23.6 | 60 |
| CSW43-120-2Z-T | 12280 | 5500 | 1570 | 23.6 | 60 |
| CSW43-120-2Z-U | 12280 | 5500 | 1570 | 23.6 | 60 |
| CSW43-150-2RS-A-T | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-150-2RS-A-U | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-150-2Z-A-T | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-150-2Z-A-U | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-150-2RS-B-T | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-150-2RS-B-U | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-150-2Z-B-T | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-150-2Z-B-U | 12280 | 5500 | 1855 | 43.6 | 81.5 |
| CSW43-190-2RS-T | 14675 | 6540 | 2215 | 43.6 | 108.6 |
| CSW43-190-2RS-U | 14675 | 6540 | 2215 | 43.6 | 108.6 |
| CSW43-190-2Z-T | 14675 | 6540 | 2215 | 43.6 | 108.6 |
| CSW43-190-2Z-U | 14675 | 6540 | 2215 | 43.6 | 108.6 |
| CSW43-230-2RS-A-T | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSW43-230-2RS-A-U | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSW43-230-2Z-A-T | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSW43-230-2Z-A-U | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSW43-230-2RS-B-T | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSW43-230-2RS-B-U | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSW43-230-2Z-B-T | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSW43-230-2Z-B-U | 14675 | 6540 | 2645 | 52 | 135.8 |
| CSWK43-120-2Z | 12280 | 5100 | 1320 | 0 | 50.4 |
| CSWK43-150-2Z-A | 12280 | 5100 | 1320 | 0 | 54.3 |
| CSWK43-150-2Z-B | 12280 | 5100 | 1320 | 0 | 54.3 |
| CSWK43-190-2Z | 14675 | 6065 | 1570 | 0 | 108.7 |
| CSWK43-230-2Z-A | 14675 | 6065 | 1570 | 0 | 108.7 |

| Designation | C (N) | C0rad (N) | C0ax (N) | Mx (Nm) | My (Nm) |
|-------------------|-------|-----------|----------|---------|---------|
| CSWK43-230-2Z-B | 14675 | 6065 | 1570 | 0 | 108.7 |
| CSW63-180-2ZR-T | 30750 | 12500 | 6000 | 125 | 271 |
| CSW63-180-2ZR-U | 30750 | 12500 | 6000 | 125 | 271 |
| CSW63-235-2ZR-A-T | 30750 | 12500 | 7200 | 250 | 413 |
| CSW63-235-2ZR-A-U | 30750 | 12500 | 7200 | 250 | 413 |
| CSW63-235-2ZR-B-T | 30750 | 12500 | 7200 | 250 | 413 |
| CSW63-235-2ZR-B-U | 30750 | 12500 | 7200 | 250 | 413 |
| CSW63-290-2ZR-T | 36600 | 15000 | 8500 | 250 | 511 |
| CSW63-290-2ZR-U | 36600 | 15000 | 8500 | 250 | 511 |
| CSW63-345-2ZR-A-T | 36600 | 15000 | 10000 | 350 | 689 |
| CSW63-345-2ZR-A-U | 36600 | 15000 | 10000 | 350 | 689 |
| CSW63-345-2ZR-B-T | 36600 | 15000 | 10000 | 350 | 689 |
| CSW63-345-2ZR-B-U | 36600 | 15000 | 10000 | 350 | 689 |
| CSWK63-180-2ZR | 30750 | 11550 | 5045 | 0 | 235 |
| CSWK63-235-2ZR-A | 30750 | 11550 | 5045 | 0 | 294 |
| CSWK63-235-2ZR-B | 30750 | 11550 | 5045 | 0 | 294 |
| CSWK63-290-2ZR | 36600 | 13745 | 6000 | 0 | 589 |
| CSWK63-345-2ZR-A | 36600 | 13745 | 6000 | 0 | 589 |
| CSWK63-345-2ZR-B | 36600 | 13745 | 6000 | 0 | 589 |

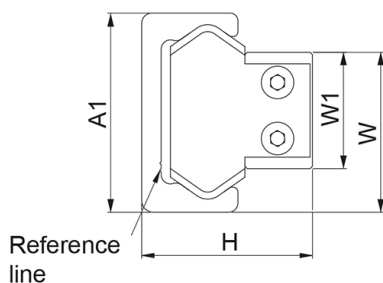
| Designation | Mzd (Nm) | Mzs (Nm) | Weight (kg) |
|-------------------|----------|----------|-------------|
| CSW18-60-2RS-T | 8.2 | 8.2 | 0.04 |
| CSW18-60-2RS-U | 8.2 | 8.2 | 0.04 |
| CSW18-60-2Z-T | 8.2 | 8.2 | 0.04 |
| CSW18-60-2Z-U | 8.2 | 8.2 | 0.04 |
| CSW18-80-2RS-A-T | 8.2 | 24.7 | 0.05 |
| CSW18-80-2RS-A-U | 8.2 | 24.7 | 0.05 |
| CSW18-80-2Z-A-T | 8.2 | 24.7 | 0.05 |
| CSW18-80-2Z-A-U | 8.2 | 24.7 | 0.05 |
| CSW18-80-2RS-B-T | 24.7 | 8.2 | 0.05 |
| CSW18-80-2RS-B-U | 24.7 | 8.2 | 0.05 |
| CSW18-80-2Z-B-T | 24.7 | 8.2 | 0.05 |
| CSW18-80-2Z-B-U | 24.7 | 8.2 | 0.05 |
| CSW18-100-2RS-T | 24.7 | 24.7 | 0.06 |
| CSW18-100-2RS-U | 24.7 | 24.7 | 0.06 |
| CSW18-100-2Z-T | 24.7 | 24.7 | 0.06 |
| CSW18-100-2Z-U | 24.7 | 24.7 | 0.06 |
| CSW18-120-2RS-A-T | 24.7 | 41.1 | 0.07 |
| CSW18-120-2RS-A-U | 24.7 | 41.1 | 0.07 |
| CSW18-120-2Z-A-T | 24.7 | 41.1 | 0.07 |
| CSW18-120-2Z-A-U | 24.7 | 41.1 | 0.07 |
| CSW18-120-2RS-B-T | 41.1 | 24.7 | 0.07 |
| CSW18-120-2RS-B-U | 41.1 | 24.7 | 0.07 |
| CSW18-120-2Z-B-T | 41.1 | 24.7 | 0.07 |
| CSW18-120-2Z-B-U | 41.1 | 24.7 | 0.07 |

| Designation | Mzd (Nm) | Mzs (Nm) | Weight (kg) |
|-------------------|----------|----------|-------------|
| CSW28-80-2RS-T | 27.2 | 27.2 | 0.155 |
| CSW28-80-2RS-U | 27.2 | 27.2 | 0.155 |
| CSW28-80-2Z-T | 27.2 | 27.2 | 0.155 |
| CSW28-80-2Z-U | 27.2 | 27.2 | 0.155 |
| CSW28-100-2RS-A-T | 27.2 | 81.7 | 0.195 |
| CSW28-100-2RS-A-U | 27.2 | 81.7 | 0.195 |
| CSW28-100-2Z-A-T | 27.2 | 81.7 | 0.195 |
| CSW28-100-2Z-A-U | 27.2 | 81.7 | 0.195 |
| CSW28-100-2RS-B-T | 81.7 | 27.2 | 0.195 |
| CSW28-100-2RS-B-U | 81.7 | 27.2 | 0.195 |
| CSW28-100-2Z-B-T | 81.7 | 27.2 | 0.195 |
| CSW28-100-2Z-B-U | 81.7 | 27.2 | 0.195 |
| CSW28-125-2RS-T | 81.7 | 81.7 | 0.24 |
| CSW28-125-2RS-U | 81.7 | 81.7 | 0.24 |
| CSW28-125-2Z-T | 81.7 | 81.7 | 0.24 |
| CSW28-125-2Z-U | 81.7 | 81.7 | 0.24 |
| CSW28-150-2RS-A-T | 81.7 | 136.1 | 0.29 |
| CSW28-150-2RS-A-U | 81.7 | 136.1 | 0.29 |
| CSW28-150-2Z-A-T | 81.7 | 136.1 | 0.29 |
| CSW28-150-2Z-A-U | 81.7 | 136.1 | 0.29 |
| CSW28-150-2RS-B-T | 136.1 | 81.7 | 0.29 |
| CSW28-150-2RS-B-U | 136.1 | 81.7 | 0.29 |
| CSW28-150-2Z-B-T | 136.1 | 81.7 | 0.29 |
| CSW28-150-2Z-B-U | 136.1 | 81.7 | 0.29 |
| CSW43-120-2RS-T | 104.5 | 104.5 | 0.53 |
| CSW43-120-2RS-U | 104.5 | 104.5 | 0.53 |
| CSW43-120-2Z-T | 104.5 | 104.5 | 0.53 |
| CSW43-120-2Z-U | 104.5 | 104.5 | 0.53 |
| CSW43-150-2RS-A-T | 104.5 | 313.5 | 0.68 |
| CSW43-150-2RS-A-U | 104.5 | 313.5 | 0.68 |
| CSW43-150-2Z-A-T | 104.5 | 313.5 | 0.68 |
| CSW43-150-2Z-A-U | 104.5 | 313.5 | 0.68 |
| CSW43-150-2RS-B-T | 313.5 | 104.5 | 0.68 |
| CSW43-150-2RS-B-U | 313.5 | 104.5 | 0.68 |
| CSW43-150-2Z-B-T | 313.5 | 104.5 | 0.68 |
| CSW43-150-2Z-B-U | 313.5 | 104.5 | 0.68 |
| CSW43-190-2RS-T | 313.5 | 313.5 | 0.84 |
| CSW43-190-2RS-U | 313.5 | 313.5 | 0.84 |
| CSW43-190-2Z-T | 313.5 | 313.5 | 0.84 |
| CSW43-190-2Z-U | 313.5 | 313.5 | 0.84 |
| CSW43-230-2RS-A-T | 313.5 | 522.5 | 1.01 |
| CSW43-230-2RS-A-U | 313.5 | 522.5 | 1.01 |
| CSW43-230-2Z-A-T | 313.5 | 522.5 | 1.01 |
| CSW43-230-2Z-A-U | 313.5 | 522.5 | 1.01 |
| CSW43-230-2RS-B-T | 522.5 | 313.5 | 1.01 |

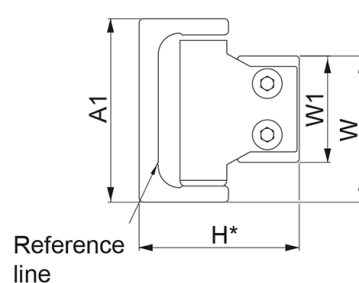
| Designation | Mzd (Nm) | Mzs (Nm) | Weight (kg) |
|-------------------|----------|----------|-------------|
| CSW43-230-2RS-B-U | 522.5 | 313.5 | 1.01 |
| CSW43-230-2Z-B-T | 522.5 | 313.5 | 1.01 |
| CSW43-230-2Z-B-U | 522.5 | 313.5 | 1.01 |
| CSWK43-120-2Z | 96.9 | 96.9 | 0.53 |
| CSWK43-150-2Z-A | 96.9 | 290.7 | 0.68 |
| CSWK43-150-2Z-B | 290.7 | 96.9 | 0.68 |
| CSWK43-190-2Z | 290.7 | 290.7 | 0.84 |
| CSWK43-230-2Z-A | 290.7 | 484.5 | 1.01 |
| CSWK43-230-2Z-B | 484.5 | 290.7 | 1.01 |
| CSW63-180-2ZR-T | 367 | 367 | 1.66 |
| CSW63-180-2ZR-U | 367 | 367 | 1.66 |
| CSW63-235-2ZR-A-T | 367 | 1100 | 2.17 |
| CSW63-235-2ZR-A-U | 367 | 1100 | 2.17 |
| CSW63-235-2ZR-B-T | 1100 | 367 | 2.17 |
| CSW63-235-2ZR-B-U | 1100 | 367 | 2.17 |
| CSW63-290-2ZR-T | 1100 | 1100 | 2.67 |
| CSW63-290-2ZR-U | 1100 | 1100 | 2.67 |
| CSW63-345-2ZR-A-T | 1100 | 1830 | 3.17 |
| CSW63-345-2ZR-A-U | 1100 | 1830 | 3.17 |
| CSW63-345-2ZR-B-T | 1830 | 1100 | 3.17 |
| CSW63-345-2ZR-B-U | 1830 | 1100 | 3.17 |
| CSWK63-180-2ZR | 335 | 335 | 1.66 |
| CSWK63-235-2ZR-A | 335 | 935 | 2.17 |
| CSWK63-235-2ZR-B | 935 | 335 | 2.17 |
| CSWK63-290-2ZR | 935 | 935 | 2.67 |
| CSWK63-345-2ZR-A | 935 | 1560 | 3.17 |
| CSWK63-345-2ZR-B | 1560 | 935 | 3.17 |

Rail/Slider Combination

T-rail with CSW slider

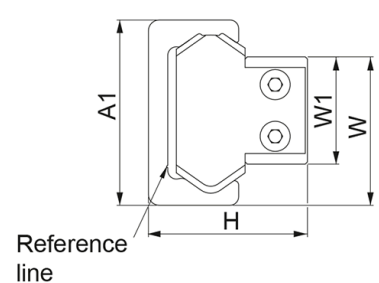


U-rail with CSW slider



* Nom. value

K-rail with CSWK-slider



The K-rail enables the slider to twist around its longitudinal axis.

| Designation | A1 | H (Slider+T-rail) | H (Slider+U-rail) | H (Slider+K-rail) | W1 |
|----------------|------------------|-------------------|-------------------|-------------------|---------------|
| CSW18-60-2RS-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-60-2RS-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-60-2Z-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |

| Designation | A1 | H (Slider+T-rail) | H (Slider+U-rail) | H (Slider+K-rail) | W1 |
|-------------------|------------------|--------------------|-------------------|-------------------|----------------|
| CSW18-60-2Z-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2RS-A-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2RS-A-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2Z-A-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2Z-A-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2RS-B-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2RS-B-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2Z-B-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-80-2Z-B-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-100-2RS-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-100-2RS-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-100-2Z-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-100-2Z-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2RS-A-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2RS-A-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2Z-A-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2Z-A-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2RS-B-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2RS-B-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2Z-B-T | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW18-120-2Z-B-U | 18 (+0.25/-0.10) | 15 (+0.15/-0.15) | 15* | n/a | 9.5 (0/-0.05) |
| CSW28-80-2RS-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-80-2RS-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-80-2Z-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-80-2Z-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2RS-A-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2RS-A-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2Z-A-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2Z-A-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2RS-B-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2RS-B-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2Z-B-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-100-2Z-B-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-125-2RS-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-125-2RS-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-125-2Z-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-125-2Z-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2RS-A-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2RS-A-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2Z-A-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2Z-A-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2RS-B-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2RS-B-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2Z-B-T | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |
| CSW28-150-2Z-B-U | 28 (+0.25/-0.10) | 23.9 (+0.15/-0.15) | 23.9* | n/a | 14.9 (0/-0.10) |

| Designation | A1 | H (Slider+T-rail) | H (Slider+U-rail) | H (Slider+K-rail) | W1 |
|-------------------|------------------|--------------------|-------------------|--------------------|----------------|
| CSW43-120-2RS-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-120-2RS-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-120-2Z-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-120-2Z-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2RS-A-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2RS-A-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2Z-A-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2Z-A-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2RS-B-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2RS-B-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2Z-B-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-150-2Z-B-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-190-2RS-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-190-2RS-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-190-2Z-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-190-2Z-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2RS-A-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2RS-A-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2Z-A-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2Z-A-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2RS-B-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2RS-B-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2Z-B-T | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSW43-230-2Z-B-U | 43 (+0.35/-0.10) | 37 (+0.15/-0.15) | 37* | n/a | 24.9 (0/-0.15) |
| CSWK43-120-2Z | 43 (+0.35/-0.10) | n/a | n/a | 37 (+0.15/-0.15) | 24.9 (0/-0.15) |
| CSWK43-150-2Z-A | 43 (+0.35/-0.10) | n/a | n/a | 37 (+0.15/-0.15) | 24.9 (0/-0.15) |
| CSWK43-150-2Z-B | 43 (+0.35/-0.10) | n/a | n/a | 37 (+0.15/-0.15) | 24.9 (0/-0.15) |
| CSWK43-190-2Z | 43 (+0.35/-0.10) | n/a | n/a | 37 (+0.15/-0.15) | 24.9 (0/-0.15) |
| CSWK43-230-2Z-A | 43 (+0.35/-0.10) | n/a | n/a | 37 (+0.15/-0.15) | 24.9 (0/-0.15) |
| CSWK43-230-2Z-B | 43 (+0.35/-0.10) | n/a | n/a | 37 (+0.15/-0.15) | 24.9 (0/-0.15) |
| CSW63-180-2ZR-T | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-180-2ZR-U | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-235-2ZR-A-T | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-235-2ZR-A-U | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-235-2ZR-B-T | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-235-2ZR-B-U | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-290-2ZR-T | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-290-2ZR-U | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-345-2ZR-A-T | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-345-2ZR-A-U | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-345-2ZR-B-T | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSW63-345-2ZR-B-U | 63 (+0.35/-0.10) | 49.8 (+0.15/-0.15) | 49.8* | n/a | 39.5 (+0.15/0) |
| CSWK63-180-2ZR | 63 (+0.35/-0.10) | n/a | n/a | 49.8 (+0.15/-0.15) | 39.5 (+0.15/0) |
| CSWK63-235-2ZR-A | 63 (+0.35/-0.10) | n/a | n/a | 49.8 (+0.15/-0.15) | 39.5 (+0.15/0) |
| CSWK63-235-2ZR-B | 63 (+0.35/-0.10) | n/a | n/a | 49.8 (+0.15/-0.15) | 39.5 (+0.15/0) |

| Designation | A1 | H (Slider+T-rail) | H (Slider+U-rail) | H (Slider+K-rail) | W1 |
|------------------|------------------|-------------------|-------------------|--------------------|----------------|
| CSWK63-290-2ZR | 63 (+0.35/-0.10) | n/a | n/a | 49.8 (+0.15/-0.15) | 39.5 (+0.15/0) |
| CSWK63-345-2ZR-A | 63 (+0.35/-0.10) | n/a | n/a | 49.8 (+0.15/-0.15) | 39.5 (+0.15/0) |
| CSWK63-345-2ZR-B | 63 (+0.35/-0.10) | n/a | n/a | 49.8 (+0.15/-0.15) | 39.5 (+0.15/0) |

| Designation | W |
|-------------------|--------------------|
| CSW18-60-2RS-T | 14 (+0.05/-0.25) |
| CSW18-60-2RS-U | 14 (+0.05/-0.25) |
| CSW18-60-2Z-T | 14 (+0.05/-0.25) |
| CSW18-60-2Z-U | 14 (+0.05/-0.25) |
| CSW18-80-2RS-A-T | 14 (+0.05/-0.25) |
| CSW18-80-2RS-A-U | 14 (+0.05/-0.25) |
| CSW18-80-2Z-A-T | 14 (+0.05/-0.25) |
| CSW18-80-2Z-A-U | 14 (+0.05/-0.25) |
| CSW18-80-2RS-B-T | 14 (+0.05/-0.25) |
| CSW18-80-2RS-B-U | 14 (+0.05/-0.25) |
| CSW18-80-2Z-B-T | 14 (+0.05/-0.25) |
| CSW18-80-2Z-B-U | 14 (+0.05/-0.25) |
| CSW18-100-2RS-T | 14 (+0.05/-0.25) |
| CSW18-100-2RS-U | 14 (+0.05/-0.25) |
| CSW18-100-2Z-T | 14 (+0.05/-0.25) |
| CSW18-100-2Z-U | 14 (+0.05/-0.25) |
| CSW18-120-2RS-A-T | 14 (+0.05/-0.25) |
| CSW18-120-2RS-A-U | 14 (+0.05/-0.25) |
| CSW18-120-2Z-A-T | 14 (+0.05/-0.25) |
| CSW18-120-2Z-A-U | 14 (+0.05/-0.25) |
| CSW18-120-2RS-B-T | 14 (+0.05/-0.25) |
| CSW18-120-2RS-B-U | 14 (+0.05/-0.25) |
| CSW18-120-2Z-B-T | 14 (+0.05/-0.25) |
| CSW18-120-2Z-B-U | 14 (+0.05/-0.25) |
| CSW28-80-2RS-T | 21.7 (+0.05/-0.35) |
| CSW28-80-2RS-U | 21.7 (+0.05/-0.35) |
| CSW28-80-2Z-T | 21.7 (+0.05/-0.35) |
| CSW28-80-2Z-U | 21.7 (+0.05/-0.35) |
| CSW28-100-2RS-A-T | 21.7 (+0.05/-0.35) |
| CSW28-100-2RS-A-U | 21.7 (+0.05/-0.35) |
| CSW28-100-2Z-A-T | 21.7 (+0.05/-0.35) |
| CSW28-100-2Z-A-U | 21.7 (+0.05/-0.35) |
| CSW28-100-2RS-B-T | 21.7 (+0.05/-0.35) |
| CSW28-100-2RS-B-U | 21.7 (+0.05/-0.35) |
| CSW28-100-2Z-B-T | 21.7 (+0.05/-0.35) |
| CSW28-100-2Z-B-U | 21.7 (+0.05/-0.35) |
| CSW28-125-2RS-T | 21.7 (+0.05/-0.35) |
| CSW28-125-2RS-U | 21.7 (+0.05/-0.35) |
| CSW28-125-2Z-T | 21.7 (+0.05/-0.35) |
| CSW28-125-2Z-U | 21.7 (+0.05/-0.35) |

| Designation | W |
|-------------------|--------------------|
| CSW28-150-2RS-A-T | 21.7 (+0.05/-0.35) |
| CSW28-150-2RS-A-U | 21.7 (+0.05/-0.35) |
| CSW28-150-2Z-A-T | 21.7 (+0.05/-0.35) |
| CSW28-150-2Z-A-U | 21.7 (+0.05/-0.35) |
| CSW28-150-2RS-B-T | 21.7 (+0.05/-0.35) |
| CSW28-150-2RS-B-U | 21.7 (+0.05/-0.35) |
| CSW28-150-2Z-B-T | 21.7 (+0.05/-0.35) |
| CSW28-150-2Z-B-U | 21.7 (+0.05/-0.35) |
| CSW43-120-2RS-T | 34.3 (+0.15/-0.30) |
| CSW43-120-2RS-U | 34.3 (+0.15/-0.30) |
| CSW43-120-2Z-T | 34.3 (+0.15/-0.30) |
| CSW43-120-2Z-U | 34.3 (+0.15/-0.30) |
| CSW43-150-2RS-A-T | 34.3 (+0.15/-0.30) |
| CSW43-150-2RS-A-U | 34.3 (+0.15/-0.30) |
| CSW43-150-2Z-A-T | 34.3 (+0.15/-0.30) |
| CSW43-150-2Z-A-U | 34.3 (+0.15/-0.30) |
| CSW43-150-2RS-B-T | 34.3 (+0.15/-0.30) |
| CSW43-150-2RS-B-U | 34.3 (+0.15/-0.30) |
| CSW43-150-2Z-B-T | 34.3 (+0.15/-0.30) |
| CSW43-150-2Z-B-U | 34.3 (+0.15/-0.30) |
| CSW43-190-2RS-T | 34.3 (+0.15/-0.30) |
| CSW43-190-2RS-U | 34.3 (+0.15/-0.30) |
| CSW43-190-2Z-T | 34.3 (+0.15/-0.30) |
| CSW43-190-2Z-U | 34.3 (+0.15/-0.30) |
| CSW43-230-2RS-A-T | 34.3 (+0.15/-0.30) |
| CSW43-230-2RS-A-U | 34.3 (+0.15/-0.30) |
| CSW43-230-2Z-A-T | 34.3 (+0.15/-0.30) |
| CSW43-230-2Z-A-U | 34.3 (+0.15/-0.30) |
| CSW43-230-2RS-B-T | 34.3 (+0.15/-0.30) |
| CSW43-230-2RS-B-U | 34.3 (+0.15/-0.30) |
| CSW43-230-2Z-B-T | 34.3 (+0.15/-0.30) |
| CSW43-230-2Z-B-U | 34.3 (+0.15/-0.30) |
| CSWK43-120-2Z | 34.3 (+0.10/-0.30) |
| CSWK43-150-2Z-A | 34.3 (+0.10/-0.30) |
| CSWK43-150-2Z-B | 34.3 (+0.10/-0.30) |
| CSWK43-190-2Z | 34.3 (+0.10/-0.30) |
| CSWK43-230-2Z-A | 34.3 (+0.10/-0.30) |
| CSWK43-230-2Z-B | 34.3 (+0.10/-0.30) |
| CSW63-180-2ZR-T | 51.6 (+0.15/-0.30) |
| CSW63-180-2ZR-U | 51.6 (+0.15/-0.30) |
| CSW63-235-2ZR-A-T | 51.6 (+0.15/-0.30) |
| CSW63-235-2ZR-A-U | 51.6 (+0.15/-0.30) |
| CSW63-235-2ZR-B-T | 51.6 (+0.15/-0.30) |
| CSW63-235-2ZR-B-U | 51.6 (+0.15/-0.30) |
| CSW63-290-2ZR-T | 51.6 (+0.15/-0.30) |

| Designation | W |
|-------------------|--------------------|
| CSW63-290-2ZR-U | 51.6 (+0.15/-0.30) |
| CSW63-345-2ZR-A-T | 51.6 (+0.15/-0.30) |
| CSW63-345-2ZR-A-U | 51.6 (+0.15/-0.30) |
| CSW63-345-2ZR-B-T | 51.6 (+0.15/-0.30) |
| CSW63-345-2ZR-B-U | 51.6 (+0.15/-0.30) |
| CSWK63-180-2ZR | 51.6 (+0.15/-0.30) |
| CSWK63-235-2ZR-A | 51.6 (+0.15/-0.30) |
| CSWK63-235-2ZR-B | 51.6 (+0.15/-0.30) |
| CSWK63-290-2ZR | 51.6 (+0.15/-0.30) |
| CSWK63-345-2ZR-A | 51.6 (+0.15/-0.30) |
| CSWK63-345-2ZR-B | 51.6 (+0.15/-0.30) |