

Half-rail guide



HW

Single guide wheel

- Pre-lubricated bearings with 2 rows of balls Angular contact, External surface ground and lightly lubricated, Tolerances ABEC - 1
- **HW-X**: steel SAE 52100, hardened 60-62 HRC, rubber joints
- **HW-X/SS**: stainless steel AISI 440C, hardened 58-60 HRC, rubber joints

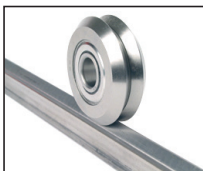
Working life

- Loads are calculated for an operational life of 2,500 hours
- Service factor: divide the accepted load by the appropriate service factor

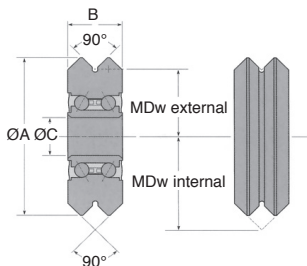
FS=0.5. Occasional use, no shocks, well lubricated

FS=1.0. Normal operation, lightly lubricated

FS=2.0. Subject to shocks, no lubrication or with dust present



Typical application



DISCOUNTS

| | | | |
|-------|------|------|------------|
| Qty | 1+ | 4+ | 8+ |
| Disc. | List | -10% | On request |

| Part number | ØA | B | ØC | MDw int. | MDw ext. | Dynamic radial load (kg) | | | | Radial static load (kg) | Dynamic axial load (kg) | Price each 1 to 3 | |
|---------------------------------------|-------|-------|-------|----------|----------|--------------------------|------------|------------|-------------|-------------------------|-------------------------|-------------------|----------|
| | | | | | | at 33 rpm | at 100 rpm | at 500 rpm | at 1000 rpm | | | | |
| Steel, rubber joints | | | | | | | | | | | | | |
| HW-1X | 19,55 | 7,87 | 4,76 | 7,92 | 11,86 | 156 | 108 | 63 | 49 | 112 | 17 | ✓ | 80,59 € |
| HW-2X | 30,73 | 11,09 | 9,52 | 12,70 | 18,23 | 317 | 218 | 128 | 101 | 270 | 36 | ✓ | 91,35 € |
| HW-3X | 45,72 | 15,87 | 12,00 | 19,05 | 26,97 | 598 | 414 | 243 | 193 | 450 | 54 | ✓ | 121,06 € |
| HW-4X | 59,94 | 19,05 | 15,01 | 25,40 | 34,92 | 900 | 623 | 364 | 290 | 702 | 81 | ✓ | 153,69 € |
| Stainless steel, rubber joints | | | | | | | | | | | | | |
| HW-1X/SS | 19,55 | 7,87 | 4,76 | 7,92 | 11,86 | 140 | 96 | 56 | 44 | 100 | 15 | - | 133,00 € |
| HW-2X/SS | 30,73 | 11,09 | 9,52 | 12,70 | 18,23 | 252 | 174 | 102 | 81 | 216 | 29 | - | 148,88 € |
| HW-3X/SS | 45,72 | 15,87 | 12,00 | 19,05 | 26,97 | 481 | 333 | 193 | 155 | 362 | 43 | - | 215,45 € |
| HW-4X/SS | 59,94 | 19,05 | 15,01 | 25,40 | 34,92 | 715 | 495 | 290 | 230 | 558 | 64 | - | 254,67 € |

*Depending on availability - Dimensions in mm



Half-rail guide

Guide rail

HTS
HTT

- **Rail HTS:** steel AISI C1042, cold-drawn, untreated, oiled
- **Rail HTS/SS:** stainless steel AISI 400, cold-formed, untreated, oiled
- **Rail HTT:** steel AISI C1042, track hardened to 53 HRC min., polished, oiled
- **Rail HTT/SS:** stainless steel AISI 400, track hardened to 40 HRC min., polished, oiled
- The flat part under the flange is not hardened, to allow mounting holes to be drilled.

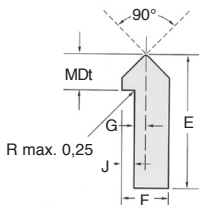
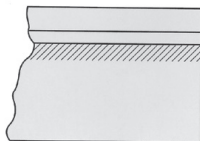


Option

- Max. length 6096mm (except **HTT-4/SS** : 5790mm)



Typical application



DISCOUNTS

| Qty | 1+ | 2+ | 4+ |
|-------|------|------|------------|
| Disc. | List | -15% | On request |

| Part number | E | Standard length (mm) | F | G | J | MDt | Weight (kg/m) | Stock* | Price each |
|--------------------------------|-------|----------------------|-------|------|------|------|---------------|--------|------------|
| Steel | | | | | | | | | |
| HTS-1 | 11,09 | 1000 | 4,74 | 0,78 | 1,57 | 3,17 | 0,272 | - | 53,94 € |
| HTS-2 | 15,87 | 1000 | 6,35 | 0,78 | 2,36 | 4,75 | 0,509 | - | 89,83 € |
| HTS-3 | 22,22 | 1000 | 8,71 | 1,57 | 2,76 | 6,35 | 1,020 | - | 182,61 € |
| HTS-4 | 26,97 | 1000 | 11,09 | 2,36 | 3,17 | 7,92 | 1,630 | - | 303,97 € |
| Stainless steel | | | | | | | | | |
| HTS-1/SS | 11,09 | 1000 | 4,74 | 0,78 | 1,57 | 3,17 | 0,272 | - | 107,53 € |
| HTS-2/SS | 15,87 | 1000 | 6,35 | 0,78 | 2,36 | 4,75 | 0,509 | - | 179,49 € |
| HTS-3/SS | 22,22 | 1000 | 8,71 | 1,57 | 2,76 | 6,35 | 1,020 | - | 364,72 € |
| HTS-4/SS | 26,97 | 1000 | 11,09 | 2,36 | 3,17 | 7,92 | 1,630 | - | 606,75 € |
| Treated steel | | | | | | | | | |
| HTT-1 | 11,09 | 1000 | 4,74 | 0,78 | 1,57 | 3,17 | 0,272 | - | 107,98 € |
| HTT-2 | 15,87 | 1000 | 6,35 | 0,78 | 2,36 | 4,75 | 0,509 | - | 159,07 € |
| HTT-3 | 22,22 | 1000 | 8,71 | 1,57 | 2,76 | 6,35 | 1,020 | - | 279,22 € |
| HTT-4 | 26,97 | 1000 | 11,09 | 2,36 | 3,17 | 7,92 | 1,630 | - | 419,33 € |
| Treated stainless steel | | | | | | | | | |
| HTT-1/SS | 11,09 | 1000 | 4,74 | 0,78 | 1,57 | 3,17 | 0,272 | - | 216,26 € |
| HTT-2/SS | 15,87 | 1000 | 6,35 | 0,78 | 2,36 | 4,75 | 0,509 | - | 316,10 € |
| HTT-3/SS | 22,22 | 1000 | 8,71 | 1,57 | 2,76 | 6,35 | 1,020 | - | 558,02 € |
| HTT-4/SS | 26,97 | 1000 | 11,09 | 2,36 | 3,17 | 7,92 | 1,630 | - | 837,86 € |

*Depending on availability - Dimensions in mm

Our other products



UTKswrr
V shaped channel
UtiliTrak®, V rail



Utilitrak® 3 wheels
carriage, Steel roller
carriage



PTR55
Idler chain sprocket,
For hostile
environments



DOMI50
Domino 50 adjustable
slide, Slide DOMILINE
50 with counter and
handw...



KB_WW
Closed linear
precision bearing,
Economy range



RURp
Wheel pivoting with
plate, Polyurethane -
Aluminium rim (Free
running)



PCS50K
Chain sprocket with
hardened teeth,
12.7mm (DIN08B-1)



PM3
Worm and wheel set,
Hardened steel



F7-P-AM
Multifunction display,
Magnetic band



EPRC
High helix leadscrew,
Cylindrical nut - up to
40mm per rotation



AT5-BAR
AT type tooth bar
stock, AT5



ACLLPP
Latch for aluminium
profile, Spring
operated latch

Complementary products



HW_HT
Half-rail guide, Rail



HW_HT
Half-rail guide, Rail



HBM
Adjustment bushing
for half-rail guide,
Adjustment bushing



HBM
Adjustment bushing
for half-rail guide,
Adjustment bushing