

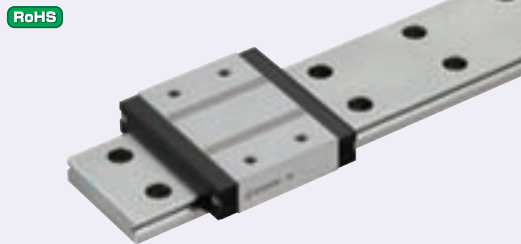
Miniature Linear Guides -Wide Rails-

-Standard Block / Light Preload-

| Linear Guide Related Products | | | |
|-------------------------------|-------------------------------|----------------------------------|-----------------------------|
| Position-keeping Parts | Rails Height Adjusting Blocks | Blocks Fall-off Prevention Parts | Blocks / Rails Fixing Parts |
| P581~ P588 | | | |

CAD Data Folder Name: 07_Linear_Guides

■Features: Wide Rail Standard Block Type of industry standard specifications.

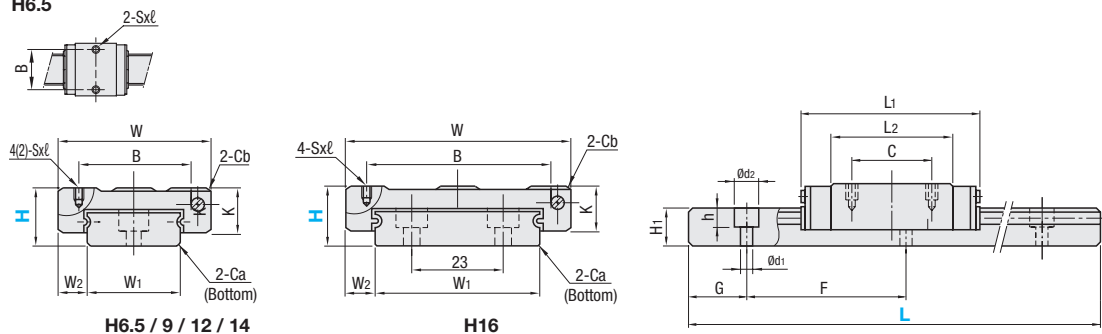


❗Blocks and rails are not sold as separate items. Light Preload Type have guaranteed radial clearances and accuracies as sets of blocks and rails.

| Material Hardness | Type | | L Dimension | Blocks Quantity |
|--|-----------------|------------|-------------|-----------------|
| | Precision Grade | High Grade | | |
| STKM (Alloy Steel including SCM) 58HRC~ | SEBWV | SEBW | Selectable | 1 |
| | SE2BWV | SE2BW | Specified | 2 |
| | SEBWL | SEBWL | | 1 |
| | SE2BWL | SE2BWL | | 2 |
| Stainless Steel (SUS440C Equivalent Material) 56HRC~ | SSEBWV | SSEBW | Selectable | 1 |
| | SSE2BWV | SSE2BW | Specified | 2 |
| | SSEBWL | SSEBWL | | 1 |
| | SSE2BWL | SSE2BWL | | 2 |

Heat Resistant Temperature: -20~80°C

H6.5



❗The number in parenthesis is the No. of tapped holes for H6.5.

■Precautions for Use

- ❗Blocks are equipped with retainers (wire) to prevent balls from falling out. Refer to P501
- ❗Radial clearances and accuracies are not guaranteed if the blocks and rails in the Light Preload Type are interchanged from the original set combinations.
- ❗Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
- ❗Rails cannot be connected to be extended.
- ❗Running parallelism is the value measured after the rail is mounted.

■Accessories

- H6.5 comes with No. 0, Class 1 Phillips button head screws (M2.5x7).
- Others
 - For G dimensions of L Dimension Configurable Type, refer to P507
 - Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.) is filled.
 - For life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html (in Japanese only). Refer to P503.

| Part Number | | Block Dimensions | | | | | | | Guide Rail Dimensions | | | | | | | | | |
|--|---|------------------|------------|------|----|----|----------|------|-----------------------|-----|--------------|-----|-----|-----|-------------------------------|----|----|--|
| Type | | H | W ±0.05 | L1 | B | C | Sxℓ | L2 | K | Cb | W1 ±0.005 | W2 | H1 | Ca | Counterbored Holes d1xd2xh | F | G | |
| STKM (1 Block) SEBW SEBWV SEBWL SEBWL | (2 Blocks) SE2BW SE2BWV SE2BWL SE2BWL | 6.5 | 17 | 21 | 13 | - | M2.5x1.5 | 13.3 | 5 | 0.3 | 10 | 3.5 | 4 | 0.3 | 3x5x1.6 | 20 | 5 | |
| | | | 25 | 31.1 | 18 | 12 | M2.6x2.5 | 20.1 | 7 | 0.3 | 14 | 5.5 | 5.2 | 0.5 | 3.5x6x3.2 | 30 | 10 | |
| | | | 30 | 38 | 21 | 12 | M2.6x3 | 27 | 9 | 0.3 | 18 | 6 | 7.5 | 0.5 | 3.5x6x4.5 | 30 | 10 | |
| | | | 40 | 44.3 | 28 | 15 | M3x3.5 | 30.1 | 11 | 0.5 | 24 | 8 | 8 | 0.5 | 4.5x8x4.5 | 40 | 15 | |
| | | | 60 | 55 | 45 | 20 | M4x4.5 | 40 | 13 | 0.5 | 42 | 9 | 9.5 | 0.5 | 4.5x8x4.5 | 40 | 15 | |

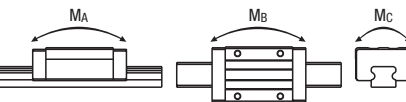
❗H6.5 is for stainless steel only. ❗H6.5 has no precision grade.

| H | Basic Load Rating/Allowable Static Moment | | | Mass | | |
|-----|---|----------------------|-----------|-----------|-----------|--------------|
| | C (Dynamic) kN | Co (Static) kN | MA N·m | MB N·m | MC N·m | Blocks kg |
| 6.5 | 0.5 | 0.9 | 2.0 | 2.0 | 4.0 | 0.006 |
| 9 | 1.4 | 2.2 | 7.8 | 7.8 | 15.5 | 0.02 |
| 12 | 2.3 | 3.7 | 13.7 | 16.3 | 30.4 | 0.04 |
| 14 | 3.5 | 5.3 | 20.6 | 22.3 | 52.1 | 0.08 |
| 16 | 5.8 | 8.5 | 40.2 | 43.6 | 148 | 0.15 |

■Preload and Accuracy Standards

| Radial Clearance (μm) | |
|-----------------------|------|
| Light Preload | -3~0 |

| Dimension Precision (μm) | | Precision Grade | High Grade |
|--|---------------|-----------------|------------|
| Height H Tolerance | ±10 | ±20 | |
| Height H Pair Variation | 7 | 15 | |
| Width W2 Tolerance | ±15 | ±25 | |
| Width W2 Pair Variation | 10 | 20 | |
| Running Parallelism of surf. C against surf. A | Refer to P501 | | |
| Running Parallelism of surf. D against surf. B | | | |



Part Number - L
SEBW12 - 200
REBW12 - 200 (Raydent)
SEBW12L - 200 (L Type Greased)
SEBW12G - 200 (G Type Greased)
Alternative grease types available.
For Delivery, Price and Performance, refer to P507



7 Days
Express A 370 Baht / piece P88
❗A flat charge of 990 Baht for 3 or more identical pieces.



❗Low Temperature Black Chrome Plated Products (Applicable to High Grade Type only)
12 Days - Part No.: Change the first letter "S" of High Grade Type to "R".
❗For features and precisions, see P508
❗For low temperature black chrome plated products, add the price of surface treatment on P508 to High Grade Type price.



Volume Discount Rate (Round up to the Baht.) P87
Quantity 1~6 7 or 8 9 or 10 11~15
Discount Rate Unit Price 5% 10% 18%

| H | Selectable L | Unit Price | | | |
|-----|--------------|------------|-------|----------|-------|
| | | 1 Block | | 2 Blocks | |
| 6.5 | 50 | - | 1,879 | - | - |
| | 70 | - | 2,013 | - | 2,938 |
| | 90 | - | 2,138 | - | 3,063 |
| | 110 | - | 2,310 | - | 3,232 |
| | 130 | - | 2,632 | - | 3,557 |
| 9 | 50 | 1,257 | 1,452 | - | - |
| | 80 | 1,257 | 1,452 | - | - |
| | 110 | 1,363 | 1,576 | 2,080 | 2,406 |
| | 140 | 1,458 | 1,685 | 2,176 | 2,517 |
| | 170 | 1,589 | 1,838 | 2,310 | 2,671 |
| 12 | 200 | 1,841 | 2,033 | 2,559 | 2,830 |
| | 230 | 2,233 | 2,470 | 2,951 | 3,264 |
| | 260 | 2,629 | 2,907 | 3,347 | 3,698 |
| | 290 | 3,111 | 3,436 | 3,828 | 4,230 |
| | 320 | 3,600 | 3,925 | 4,319 | 4,719 |
| 14 | 350 | 4,089 | 4,414 | 4,800 | 5,125 |
| | 380 | 4,578 | 4,903 | 5,289 | 5,614 |
| | 410 | 5,067 | 5,392 | 5,778 | 6,103 |
| | 440 | 5,556 | 5,881 | 6,267 | 6,592 |
| | 470 | 6,045 | 6,370 | 6,756 | 7,081 |
| 16 | 500 | 6,534 | 6,859 | 7,245 | 7,570 |
| | 530 | 7,023 | 7,348 | 7,734 | 8,059 |
| | 560 | 7,512 | 7,837 | 8,223 | 8,548 |
| | 590 | 8,001 | 8,326 | 8,712 | 9,037 |
| | 620 | 8,490 | 8,815 | 9,201 | 9,526 |

❗H6.5 is for stainless steel only.



Part Number - L (MC / RLC / LLC)
SE2BWL16 - 450 - MC
MC only 9 Days

| Alterations | Code | Spec. | Price Adder |
|---------------------|-------------------|---|----------------|
| Female Thread Holes | MC | Changes the rail mounting hole from counterbored holes to tapped holes. ❗Express Service is not available. | Free of charge |
| Rail Ends Cut | Left End Cut LLC | Cuts rail ends. Ordering Code LLC H L Cut N 9 5 5 12 5 5 14 10 16 10 | 160 |
| | Right End Cut RLC | ❗Applicable to Selectable Type only. ❗Overall length will be shorter by cutting. ❗Not applicable to H6.5. ❗Not applicable to L dimension 70 or less. | 160 |

| H | L Specified (1mm Increment) | Unit Price | | | |
|-----|-----------------------------|------------|----------|----------|----------|
| | | 1 Block | 2 Blocks | 3 Blocks | 4 Blocks |
| 6.5 | 51~69 | - | 2,300 | - | - |
| | 71~89 | - | 2,425 | - | 3,350 |
| | 91~109 | - | 2,597 | - | 3,519 |
| | 111~129 | - | 2,919 | - | 3,844 |
| | 131~149 | - | 3,241 | - | 4,169 |
| 9 | 151~169 | 1,682 | 1,927 | - | - |
| | 171~189 | 1,682 | 1,927 | 2,399 | 2,757 |
| | 191~209 | 1,777 | 2,036 | 2,495 | 2,868 |
| | 211~229 | 1,908 | 2,189 | 2,629 | 3,021 |
| | 231~249 | 2,160 | 2,383 | 2,878 | 3,181 |
| 12 | 251~269 | 2,552 | 2,820 | 3,270 | 3,615 |
| | 271~289 | 2,948 | 3,257 | 3,666 | 4,049 |
| | 291~309 | 3,430 | 3,787 | 4,147 | 4,581 |
| | 311~329 | 3,912 | 4,269 | 4,629 | 5,013 |
| | 331~349 | 4,394 | 4,751 | 5,111 | 5,443 |
| 14 | 351~369 | 4,876 | 5,233 | 5,590 | 5,947 |
| | 371~389 | 5,358 | 5,715 | 6,072 | 6,429 |
| | 391~409 | 5,840 | 6,197 | 6,554 | 6,911 |
| | 411~429 | 6,322 | 6,679 | 7,036 | 7,393 |
| | 431~449 | 6,804 | 7,161 | 7,518 | 7,875 |
| 16 | 451~469 | 7,286 | 7,643 | 7,999 | 8,356 |
| | 471~489 | 7,768 | 8,125 | 8,481 | 8,838 |
| | 491~509 | 8,250 | 8,607 | 8,963 | 9,320 |
| | 511~529 | 8,732 | 9,089 | 9,445 | 9,802 |
| | 531~549 | 9,214 | 9,571 | 9,927 | 10,284 |

❗Unit price for Precision Grade is High Grade Type price x 1.2 (round up to the Baht).

(Ex.) SEBWV16-350=2,916x1.2=3,500 Baht

❗H6.5 has no precision grade.

❗Dimensions of L Configurable in () are applicable to 2 Block Type.