

Miniature Linear Guides

Wide Standard Blocks, Light Preload / Slight Clearance

= For customers selecting MISUMI original specifications =
 ■ frame-surrounded products are compliant with the standard specifications (Stainless Steel, Light Preload, High Grade Type). Select the block from this spec.

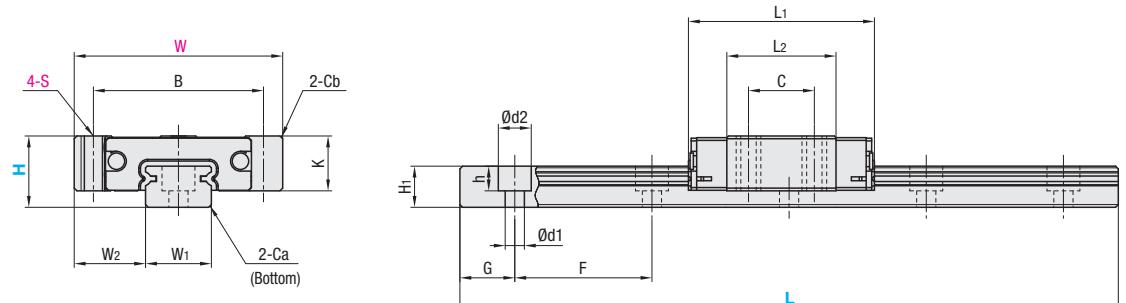
■ Features: Wide Block Type of MISUMI original specifications. Larger screw size has enhanced fastening strength compared to standard products.

MISUMI Original



RoHS10

Blocks and rails are not sold as separate items. This Type has guaranteed radial clearances and accuracies as sets of blocks and rails.



Precautions for Use

Blocks are equipped with retainers (wire) to prevent balls from falling off.
 For how to handle the blocks, see P.525.
 Radial clearances and accuracies are not guaranteed if the blocks and rails 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 end to end.
 The accuracy of Linear Guides is guaranteed after mounting the rail (after fastening screws on the rail and pushing it onto the datum plane).
 Minor bending of the rail will be adjusted after being mounted and will not affect the performance.

Accessory

H8 comes with cap screws (M2x6).
 Others
 • Filled with Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.).
 • For operating life calculation, see P.527.
 • For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

Part Number

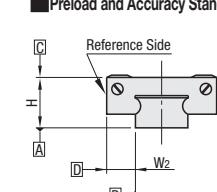
| Type | H | L | Block Dimension | | | | | | | | | | Guide Rail Dimension | | | | | |
|-----------------|--|---------------------------|------------------|----|------|----|----|----|------|-----|-----|----|----------------------|-----|------------------------------|-------------|----|-----|
| | | | W | L1 | B | C | S | L2 | K | Cb | W1 | W2 | H1 | Ca | Counterbored Hole d1xd2xh | F | G | |
| Stainless Steel | SSEBMZ SSE2BMZ SSEBMLZ SSE2BMLZ | 8 10 13 16 20 | 40~130 (70) | 24 | 23.6 | 19 | 8 | M3 | 13.6 | 6.5 | 0.3 | 7 | 8.5 | 4.7 | 0.3 | 2.4x4.2x2.3 | 15 | 5 |
| | | | 35~275 (95) | 31 | 30 | 24 | 10 | M4 | 19 | 7.8 | 0.3 | 9 | 11 | 5.5 | 0.3 | 3.5x6x3.5 | 20 | 7.5 |
| | | | 45~470 (120) | 38 | 33.9 | 31 | 12 | M4 | 19.9 | 10 | 0.5 | 12 | 13 | 7.5 | 0.5 | 3.5x6x4.5 | 25 | 10 |
| | | | 70~670 (150) | 44 | 42.4 | 36 | 16 | M4 | 27.4 | 12 | 0.5 | 15 | 14.5 | 9.5 | 0.5 | 3.5x6x4.5 | 40 | 15 |
| | | | 100~700 (160) | 54 | 50 | 46 | 25 | M5 | 34.6 | 15 | 0.5 | 20 | 17 | 11 | 0.5 | 6x9.5x5.5 | 60 | 20 |

kgf=Nx0.101972

| H | Basic Load Rating | | Allowable Static Moment | | Mass | |
|----|-------------------|---------|-------------------------|----------|-------------|--------------------|
| | C kN | D kN | M N·m | M N·m | Block kg | Guide Rail kg/m |
| 8 | 0.9 | 1.5 | 4.1 | 4.1 | 5.2 | 0.015 |
| 10 | 1.5 | 2.5 | 5.1 | 5.1 | 10.2 | 0.03 |
| 13 | 2.2 | 3.3 | 8.8 | 9.5 | 16.1 | 0.05 |
| 16 | 3.6 | 5.4 | 21.6 | 23.4 | 39.6 | 0.09 |
| 20 | 5.2 | 8.5 | 48.4 | 48.4 | 86.4 | 0.17 |



Preload and Accuracy Standards

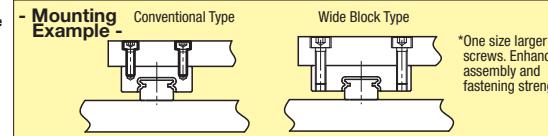


| Specifications | Light Preload, High Grade | | Slight Clearance, Standard Grade | | |
|--|---------------------------|------|----------------------------------|--|-----|
| | Radial Clearance | -3~0 | 0~+15 | Height H Tolerance | ±20 |
| Height H Tolerance | | | | Pair Variation of Height H | 15 |
| Pair Variation of Width W2 | | | | Width W2 Tolerance | ±25 |
| Pair Variation of Width W1 | | | | Pair Variation of Width W1 | 20 |
| Running Parallelism of Plane C against Plane A | | | | Running Parallelism of Plane D against Plane A | 40 |
| Running Parallelism of Plane D against Plane A | | | | See P.525 | |

■ Slight Clearance Type has clearance (Gap) between rails and blocks. If precision / rigidity is required, select Light Preload Type.



Example



*One size larger screws. Enhanced assembly and fastening strength.



Part Number - L

SSEBM10 - 275
 SSEBM10L - 75 (L Type Greased)
 SSEBM10G - 75 (G Type Greased)
 Alternative grease types available.
 P531

| H | L | Unit Price | | | | | | | |
|----|---------|-----------------|---|--------------|---|------------|---|----------------|---|
| | | Stainless Steel | | Carbon Steel | | High Grade | | Standard Grade | |
| 8 | SSEBM | - | - | SSEBMZ | - | - | - | - | - |
| 8 | SSE2BM | - | - | SSE2BMZ | - | - | - | - | - |
| 8 | SSEBML | - | - | SSEBMLZ | - | - | - | - | - |
| 8 | SSE2BML | - | - | SSE2BMLZ | - | - | - | - | - |
| 10 | SSEBM | - | - | SSEBMZ | - | - | - | - | - |
| 10 | SSE2BM | - | - | SSE2BMZ | - | - | - | - | - |
| 10 | SSEBML | - | - | SSEBMLZ | - | - | - | - | - |
| 10 | SSE2BML | - | - | SSE2BMLZ | - | - | - | - | - |
| 13 | SSEBM | - | - | SSEBMZ | - | - | - | - | - |
| 13 | SSE2BM | - | - | SSE2BMZ | - | - | - | - | - |
| 13 | SSEBML | - | - | SSEBMLZ | - | - | - | - | - |
| 13 | SSE2BML | - | - | SSE2BMLZ | - | - | - | - | - |
| 16 | SSEBM | - | - | SSEBMZ | - | - | - | - | - |
| 16 | SSE2BM | - | - | SSE2BMZ | - | - | - | - | - |
| 16 | SSEBML | - | - | SSEBMLZ | - | - | - | - | - |
| 16 | SSE2BML | - | - | SSE2BMLZ | - | - | - | - | - |
| 20 | SSEBM | - | - | SSEBMZ | - | - | - | - | - |
| 20 | SSE2BM | - | - | SSE2BMZ | - | - | - | - | - |
| 20 | SSEBML | - | - | SSEBMLZ | - | - | - | - | - |
| 20 | SSE2BML | - | - | SSE2BMLZ | - | - | - | - | - |

| H | Unit Price | | | | | | | |
|----|-----------------|---|--------------|---|------------|---|----------------|---|
| | Stainless Steel | | Carbon Steel | | High Grade | | Standard Grade | |
| 8 | SSEBM | - | SSEBMZ | - | - | - | - | - |
| 10 | SSEBM | - | SSEBMZ | - | - | - | - | - |
| 13 | SSEBM | - | SSEBMZ | - | - | - | - | - |
| 16 | SSEBM | - | SSEBMZ | - | - | - | - | - |
| 20 | SSEBM | - | SSEBMZ | - | - | - | - | - |

■ For calculation of L Dimension Configurable Type (1mm Increment), add the above amount to the unit price of the Selectable Type longer than, and closest to this L Dimension Configurable Type.



Alterations

Alterations

Part Number

- L - (MC, RLC, LLC, B3, B4)

SSE2BM16 - 430 - MC



Rail Height Adjusting Blocks

P609

Block Derailment Prevention Parts

P612

Block / Rail Fixing Parts

P612

Rail Push Plates

P613

Linear Lock

P613

Linear Guide Lock Units

P614