

Miniature Linear Guides

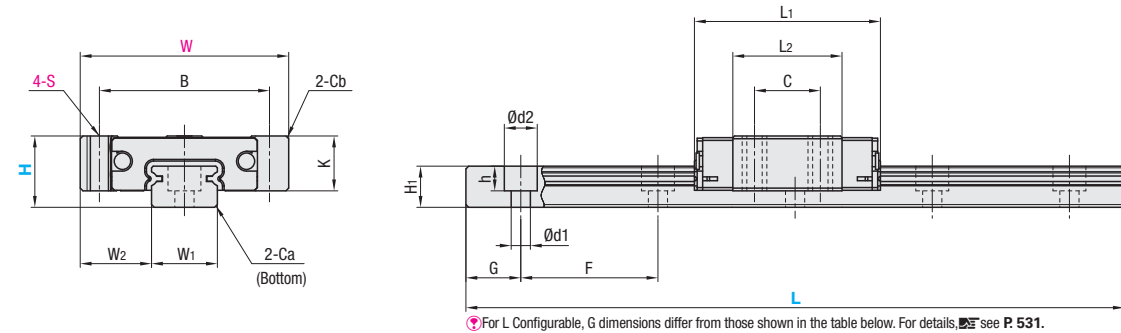
Wide Standard Blocks, Light Preload / Slight Clearance

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

MISUMI Original



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



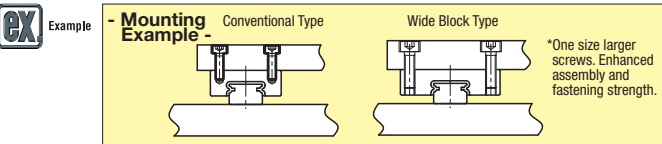
- Precautions for Use**
- Blocks are equipped with retainers (wire) to prevent balls from falling off. For how to handle the blocks, see P.525.
 - Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from the original set combinations.
 - Straight grooves are provided 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.

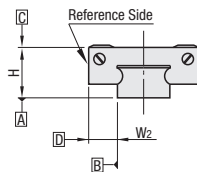
Part Number		H	L	Block Dimension							Guide Rail Dimension							
Type				W	L ₁	B	C	S	L ₂	K	Cb	W ₁	W ₂	H ₁	Ca	Counterbored Hole d1xd2xh	F	G
SSEBM SSE2BM SSEBML SSE2BML	SSEBMZ SSE2BMZ SSEBMLZ SSE2BMLZ	8	40~130 (70)	24	23.6	19	8	M3	13.6	6.5	0.3	7	8.5	4.7	0.3	2.4x4.2x2.3	15	5
		10	35~275 (95)	31	30	24	10	M4	19	7.8	0.3	9	11	5.5	0.3	3.5x6x3.5	20	7.5
		13	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
		16	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
		20	100~700 (160)	54	50	46	25	M5	34.6	15	0.5	20	17	11	0.5	6x9.5x5.5	60	20

Dimensions in () are for 2-Block Type.

H	Basic Load Rating		Allowable Static Moment		Mass	
	C (Dynamic) kN	Co (Static) kN	MA N·m	MB N·m	MC N·m	Block kg
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	±20
Pair Variation of Height H	15	40
Width W ₂ Tolerance	±25	±25
Pair Variation of Width W ₂	20	40
Running Parallelism of Plane C against Plane A	See P.525	
Running Parallelism of Plane D against Plane A		

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

H	L	Unit Price			
		High Grade		Standard Grade	
		SSEBM	SSE2BM	SSEBMZ	SSE2BMZ
8	40	-	-	-	-
	55	-	-	-	-
	70	-	-	-	-
	85	-	-	-	-
	100	-	-	-	-
10	115	-	-	-	-
	130	-	-	-	-
	155	-	-	-	-
	175	-	-	-	-
	195	-	-	-	-
13	215	-	-	-	-
	235	-	-	-	-
	255	-	-	-	-
	275	-	-	-	-
	300	-	-	-	-
16	320	-	-	-	-
	345	-	-	-	-
	370	-	-	-	-
	395	-	-	-	-
	420	-	-	-	-
20	445	-	-	-	-
	470	-	-	-	-
	500	-	-	-	-
	520	-	-	-	-
	580	-	-	-	-
20	640	-	-	-	-
	700	-	-	-	-

L Dimension Configurable Type (1mm Increment)

H	Unit Price			
	High Grade		Standard Grade	
	SSEBML	SSE2BML	SSEBMLZ	SSE2BMLZ
8	-	-	-	-
10	-	-	-	-
13	-	-	-	-
16	-	-	-	-
20	-	-	-	-

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.



Part Number - **L**

SSEBM10 - 275 (L Type Greased)
SSEBM10L - 75 (G Type Greased)
SSEBM10G - 75 (G Type Greased)

Alternative grease types available.
P.531



Part Number - **L** - (MC, RLC, LLC, B3, B4)

SSE2BM16 - 430 - MC

Alterations	Code	Spec.
Tapped Hole	MC	Changes the rail mounting holes from counterbored holes to tapped holes.
Rail End Cut	Left End Cut LLC	Cuts rail ends. Ordering Code LLC
	Right End Cut RLC	Cuts rail ends. Ordering Code LLC
3-Block Specifications	B3	Add 2 blocks to 1-block product to ship as 3-block separate item. There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBM10-275-B3
4-Block Specifications	B4	Add 3 blocks to 1-block product to ship as 4-block separate item. There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBML13-275-B4

Additional Block Price (Same Price for High/Standard Grade)

H	B3: Price Adder	B4: Price Adder	H	B3 (3-block)	B4 (4-block)
8	-	-	8	100	130
10	-	-	10	115	155
13	-	-	13	145	195
16	-	-	16	230	270
20	-	-	20	220	280

Options for Linear Guide

Position Retaining Parts	Block / Rail Fixing Parts
Rail Height Adjusting Blocks	Rail Push Plates
Block Derailment Prevention Parts	Linear Lock
Stopper Bolts	Linear Guide Lock Units