

Miniature Linear Guides

Wide Long Blocks, Light Preload

= 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

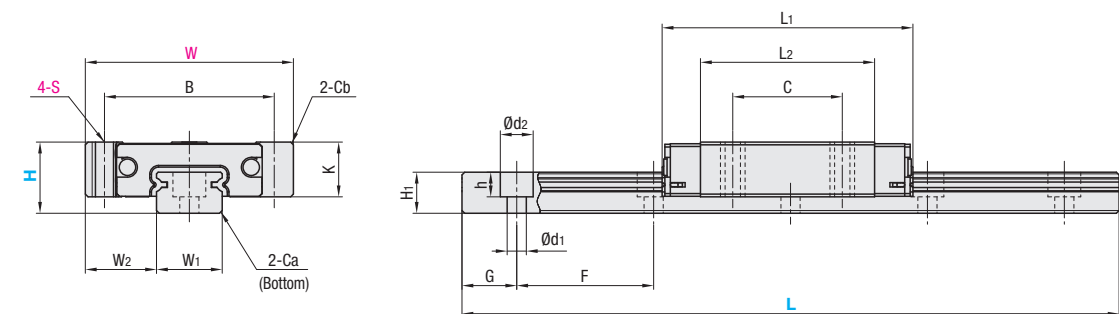


RoHS10

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

Material Hardness	Type Light Preload High Grade Set	L Dimension	Number of Blocks
Stainless Steel 56HRC~	SSELBM	Selectable	1
	SSEL2BM	Selectable	2
	SSELBML	Configurable	1
	SSEL2BML	Configurable	2
Carbon Steel 58HRC~	SELBM	Selectable	1
	SEL2BM	Selectable	2
	SELBML	Configurable	1
	SEL2BML	Configurable	2

Heat Resistant Temperature: -20 ~ 80°C



For L Configurable, G dimensions differ from those shown in the table below. For details, see P.531.

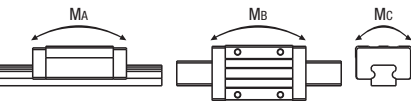
- **Precautions for Use**
- Blocks are equipped with retainers (wire) to prevent balls from falling off.
 - For how to handle the blocks, see P.525.
 - Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from the original set combinations.
 - Straight grooves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

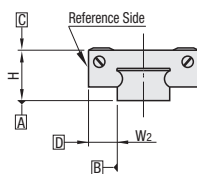
Part Number		H	L	Block Dimension							Guide Rail Dimension									
Type				W	L1	B	C	S	L2	K	Cb	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G		
Stainless Steel Standard Specifications SSELBM SSEL2BM SSELBML SSEL2BML	Carbon Steel SELBM SEL2BM SELBML SEL2BML	8	40~130 (100)	24	32	19	13	M3	22	6.5	0.3	7	8.5	4.7	0.3	2.4x4.2x2.3	15	5		
		10	55~275 (115)	31	40	24	16	M4	29	7.8	0.3	9	11	5.5	0.3	3.5x6x3.5	20	7.5		
		13	70~470 (120)	38	45.8	31	20	M4	31.8	10	0.5	12	13	7.5	0.5	3.5x6x4.5	25	10		
		16	110~670 (150)	44	58.3	36	25	M4	43.3	12	0.5	15	14.5	9.5	0.5	3.5x6x4.5	40	15		
		20	160~700 (220)	54	67.7	46	30	M5	52.3	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 (Dynamic) kN	Co (Static) kN	MA N-m	Mb N-m	Mc N-m	Block kg	Guide Rail kg/m
8	1.6	2.4	7.5	7.5	9.0	0.016	0.19
10	2.2	3.7	12.3	12.3	13.0	0.03	0.31
13	3.5	5.3	24.5	26.4	32.3	0.06	0.61
16	5.8	8.7	57.8	62.6	67.6	0.10	1.02
20	7.2	13.5	80.7	80.7	138.2	0.18	1.65



Preload and Accuracy Standards



Example

Installation Examples -

Conventional Type

With Dowel Holes

Positioning on the basis of plate end face

Positioning using a dowel hole

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

H	L	Unit Price			
		Stainless Steel		Carbon Steel	
		SSELBM	SSEL2BM	SELBM	SEL2BM
8	40	-	-	-	-
	55	-	-	-	-
	70	-	-	-	-
	85	-	-	-	-
	100	-	-	-	-
	115	-	-	-	-
	130	-	-	-	-
	145	-	-	-	-
10	155	-	-	-	-
	175	-	-	-	-
	195	-	-	-	-
	215	-	-	-	-
	235	-	-	-	-
	255	-	-	-	-
	275	-	-	-	-
	295	-	-	-	-
13	320	-	-	-	-
	345	-	-	-	-
	370	-	-	-	-
	395	-	-	-	-
	420	-	-	-	-
	445	-	-	-	-
	470	-	-	-	-
	495	-	-	-	-
16	520	-	-	-	-
	545	-	-	-	-
	570	-	-	-	-
	595	-	-	-	-
	620	-	-	-	-
	645	-	-	-	-
	670	-	-	-	-
	695	-	-	-	-
20	720	-	-	-	-
	745	-	-	-	-
	770	-	-	-	-
	795	-	-	-	-
	820	-	-	-	-
	845	-	-	-	-
	870	-	-	-	-
	895	-	-	-	-

L Dimension Configurable Type (1mm Increment)

H	Unit Price			
	Stainless Steel		Carbon Steel	
	SSELBML	SSEL2BML	SELBML	SEL2BML
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.



Ordering Example

Part Number - L

SSELBM10 - 275
SSELBM10L - 75 (L Type Greased)
SSELBM10G - 75 (G Type Greased)
Alternative grease types available.
P.531



Alterations

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

SSEL2BM16 - 430 - MC - RLC

Alterations	Code	Spec.
Tapped Hole	MC	Changes the rail mounting holes from counterbored holes to tapped holes. H MC 8 M3 10 M4 13 M5 16 M5 20 M6
Rail End Cut	LLC	Cuts rail ends. Ordering Code LLC H L Cut N 10 2.5 5 13 5 5 16 10 5
Rail is cut with the product ID facing out (datum on other side).	RLC	Applicable to Selectable Type only. Overall length will be shorter by cutting. Not applicable to H8/20
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: SELBM8-130-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: SSELBML16-630-B4

Additional Block Price

H	B3: Price Adder		B4: Price Adder	
	Stainless Steel	Carbon Steel	Stainless Steel	Carbon Steel
8	-	-	-	-
10	-	-	-	-
13	-	-	-	-
16	-	-	-	-
20	-	-	-	-

Selectable Shortest Rail Length for B3/B4

H	B3 (3-block)	B4 (4-block)
8	115	-
10	155	195
13	170	220
16	230	270
20	280	340

Options for Linear Guide

Position Retaining Parts	Block / Rail Fixing Parts
Rail Push Plates P.607	Rail Push Plates P.612
Rail Height Adjusting Blocks P.609	Linear Lock P.613
Block Derailment Prevention Parts Stopper Bolts P.612	Linear Guide Lock Units P.614