

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.

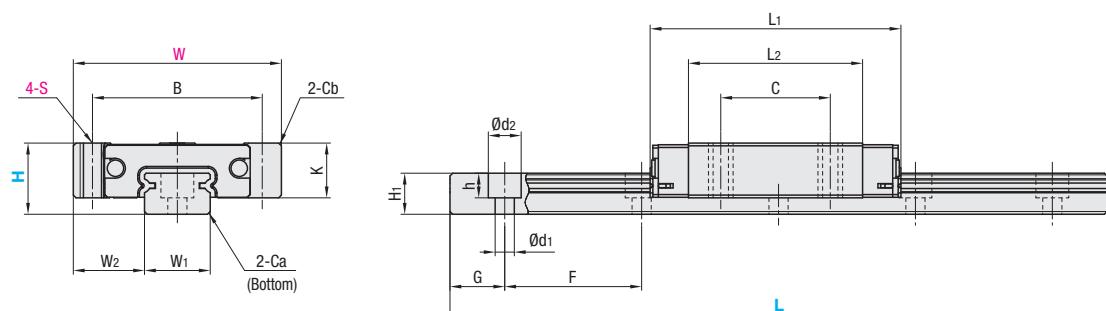
■ Features: **Wide Block** Type of MISUMI original specifications. Larger screw size has enhanced fastening strength compared to standard products.

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.



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.

Dimensions in () are for 2-Block Type.

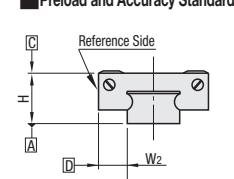
Part Number	Type	H	L	Block Dimension						Guide Rail Dimension								
				W	L1	B	C	S	L2	K	Cb	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G
Stainless Steel Standard Specifications	Carbon Steel SELBM SEL2BM SELBML SEL2BML	8	40~130 (100)	24	32	19	13	M3	22	6.5	0.3	7	8.5	4.7	0.3	2.4x4.2x2.3	15	5
		10	55~275 (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	C (Static) kN	M _A N·m	M _B N·m	M _C 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



Specifications

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		



Example

Installation Examples

- Conventional Type

With Dowel Holes

Positioning on the basis of plate end face

Positioning using a dowel hole

L Dimension Configurable Type (1mm Increment)

H	Unit Price			
	Stainless Steel		Carbon Steel	
8	SSELBML	SSEL2BML	SELBML	SEL2BML
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.
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H	L	Unit Price			
		Stainless Steel		Carbon Steel	
8	40				
8	55				
8	70				
8	85				
8	100				
8	115				
8	130				
8	155				
8	175				
8	195				
8	215				
8	235				
8	255				
8	275				
10	70				
10	95				
10	120				
10	145				
10	170				
10	195				
10	220				
10	245				
10	270				
10	295				
10	320				
10	345				
10	370				
10	395				
10	420				
10	445				
10	470				
13	110				
13	150				
13	190				
13	230				
13	270				
13	310				
13	350				
13	390				
13	430				
13	470				
13	510				
13	550				
13	590				
13	630				
13	670				
13	710				
13	750				
13	790				
13	830				
13	870				
13	910				
13	950				
13	990				
16	160				
16	220				
16	280				
16	340				
16	400				
16	460				
16	520				
16	580				
16	640				
16	700				
20	400				
20	460				
20	520				
20	580				
20	640				
20	700				
20	760				
20	820				
20	880				
20	940				
20	1000				

H	Unit Price			
Stainless Steel		Carbon Steel		

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