

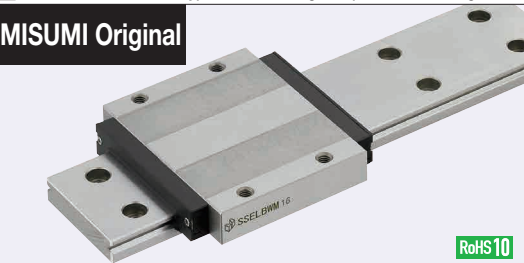
Miniature Linear Guides - Wide Rails

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.

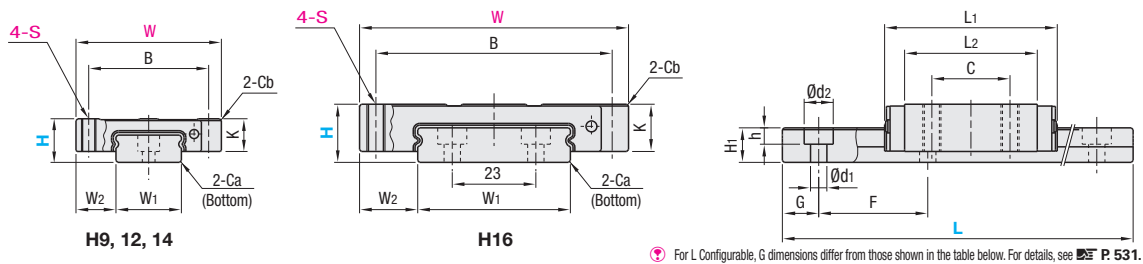
MISUMI Original



Material Hardness	Type Light Preload High Grade	L Dimension	Number of Blocks
Standard Materials Stainless Steel 56HRC~	SSELBWM	Selectable	1
	SSEL2BWM	Selectable	2
	SSELBWML	Configurable	1
	SSEL2BWML	Configurable	2
Carbon Steel 58HRC~	SELBWM	Selectable	1
	SEL2BWM	Selectable	2
	SELBWML	Configurable	1
	SEL2BWML	Configurable	2

Heat Resistant Temperature: -20 ~ 80°C

⚠ 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.
- **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.

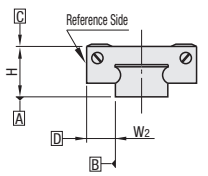
Part Number		L	Block Dimension								Guide Rail Dimension							
Type	H		W	L ₁	B	C	S	L ₂	K	Cb	W ₁	W ₂	H ₁	Ca	Counterbored Hole	F	G	
			d1xd2xh															
📏Dimensions in () are for 2-Block Type.		9	80~290 (110)	36	43.5	29	19	M4	32.5	7	0.3	14	11	5.2	0.5	3.5x6x3.2	30	10
Stainless Steel Standard Specifications SSELBWM SSEL2BWM SSELBWML SSEL2BWML	Carbon Steel	12	80~290 (110)	40	51.6	33	24	M4	40.6	9	0.3	18	11	7.5	0.5	3.5x6x4.5	30	10
		14	110~470 (150)	51	61.6	44	28	M4	47.4	11	0.5	24	13.5	8	0.5	4.5x8x4.5	40	15
		16	110~670 (190)	74	74.9	65	35	M5	59.9	13	0.5	42	16	9.5	0.5	4.5x8x4.5	40	15

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
9	1.7	4.0	12.1	12.1	28.8	0.05
12	2.6	5.3	20.2	20.2	49.5	0.09
14	3.9	8.5	38.6	38.6	104.6	0.16
16	7.2	14.3	86.0	86.0	305.2	0.3

MA MB MC

Preload and Accuracy Standards



Unit: μm

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		See P.525

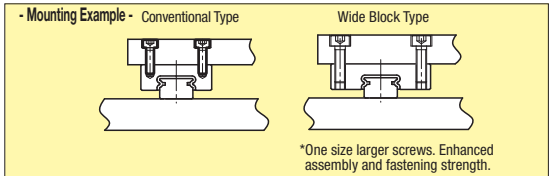
H	Selectable L	Unit Price			
		Stainless Steel		Carbon Steel	
9	80	SSELBWM	SSEL2BWM	SELBWM	SEL2BWM
	110		-		-
	140				
	170				
	200				
	230				
	260				
	290				
12	80		-		-
	110				
	140				
	170				
	200				
	230				
	260				
	290				
14	110		-		-
	150				
	190				
	230				
	270				
	310				
	350				
	390				
16	430				
	470				
	110		-		-
	150		-		-
	190				
	230				
	270				
	310				
	350				
	390				
	430				
	470				
	510				
	550				
	590				
	630				
	670				

L Dimension Configurable Type (1mm Increment)

H	Unit Price			
	Stainless Steel		Carbon Steel	
9	SSELBWML	SSEL2BWML	SELBWML	SEL2BWML
12				
14				
16				

⚠ 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.

Example



Ordering Example

Part Number - L

SSELBWM12 - 200 (L Type Greased)

SSELBWM12L - 200 (L Type Greased)

SSELBWM12G - 200 (G Type Greased)

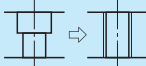
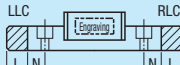
Alternative grease types available

P.531

Alterations

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

SSEL2BWML16 - 450 - MC

Alterations	Code	Spec.															
<p>Tapped Hole</p> 	MC	<p>Changes the rail mounting holes from counterbored holes to tapped holes.</p> <table><tr><td>H</td><td>MC</td></tr><tr><td>9</td><td>M4</td></tr><tr><td>12</td><td></td></tr><tr><td>14</td><td>M5</td></tr><tr><td>16</td><td></td></tr></table>	H	MC	9	M4	12		14	M5	16						
H	MC																
9	M4																
12																	
14	M5																
16																	
<p>Rail End Cut</p> 	<p>Left End Cut LLC</p> <p>Right End Cut RLC</p>	<p>Cuts rail ends.</p> <p>Ordering Code LLC</p> <table><tr><td>H</td><td>L Cut</td><td>N</td></tr><tr><td>9</td><td></td><td></td></tr><tr><td>12</td><td>5</td><td>5</td></tr><tr><td>14</td><td></td><td></td></tr><tr><td>16</td><td></td><td>10</td></tr></table> <p>⚠ Applicable to Selectable Type only. ⚠ Overall length will be shorter by cutting.</p>	H	L Cut	N	9			12	5	5	14			16		10
H	L Cut	N															
9																	
12	5	5															
14																	
16		10															

Options for Linear Guide

Position Retaining Parts	Block / Rail Fixing Parts
	■ Rail Push Plates
■ Stopper Bolts 	■ Linear Locks
	■ Linear Guide Lock Units