

# Miniature Linear Guides - Wide Rails

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.

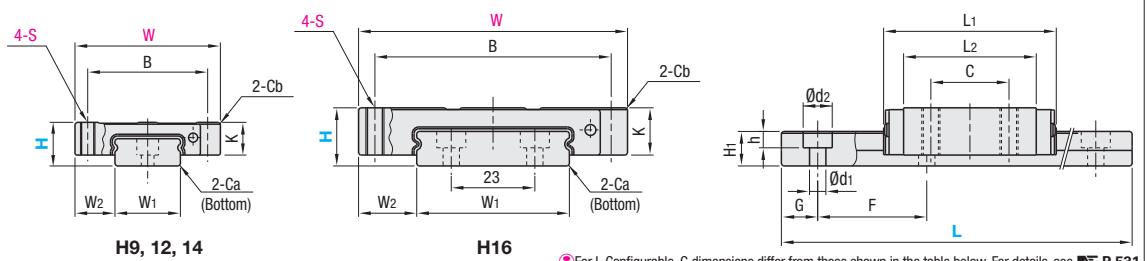
■ Features: **Wide Block** Type of MISUMI original specifications. Larger screw size has enhanced fastening strength compared to standard products.

## MISUMI Original



RoHS 10

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**.

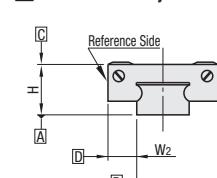
For operating life calculations, use our free calculation software from [http://download.misumi.jp/mol/ta\\_soft.html](http://download.misumi.jp/mol/ta_soft.html).

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
Dimensions in ( ) are for 2-Block Type.																		
Stainless Steel		9	50-290 (110)	36	31.1	29	12	M4	20.1	7	0.3	14	11	5.2	0.5	3.5x6x3.2	30	10
Standard Specifications	SSEBWM	SSEBWMZ	SSE2BWM	SSE2BWMZ	SSEBWML	SSE2BWMLZ												
Carbon Steel	SEBWM	SEBWMZ	SE2BWM	SE2BWMZ	SEBWML	SE2BWMLZ												
	12	50-290 (110)	40	38	33	12	M4		27	9	0.3	18	11	7.5	0.5	3.5x6x4.5	30	10
	14	70-470 (150)	51	44.3	44	15	M4		30.1	11	0.5	24	13.5	8	0.5	4.5x8x4.5	40	15
	16	70-670 (190)	74	55	65	20	M5		40	13	0.5	42	16	9.5	0.5	4.5x8x4.5	40	15

Basic Load Rating C (Dynamic)/Co (Static) kN						Allowable Static Moment Ma N·m			Mass Mc N·m		
9	1.4	2.2	7.8	7.8	15.5	0.035	0.50		Block kg	Guide Rail kg/m	
12	2.3	3.7	13.7	16.3	30.4	0.06	0.96				
14	3.5	5.3	20.6	22.3	52.1	0.11	1.40				
16	5.8	8.5	40.2	43.6	148	0.2	2.95				



## 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 W2 Tolerance	±25	±25
Pair Variation of Width W2	20	40
Running Parallelism of Plane C against Plane A		
Running Parallelism of Plane D against Plane A		

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.

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

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 Select the block from this spec.



Ordering Example

Part Number - L

SSEBWM12 - 200  
 SSEBWM12L - 200 (L Type Greased)  
 SSEBWM12G - 200 (G Type Greased)

Alternative grease types available.

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H	L	Unit Price							
		Stainless Steel				Carbon Steel			
50									
80									
110									
140									
9	170								
12	200								
	230								
	260								
	290								
	50								
	80								
	110								
	140								
	170								
	200								
	230								
	260								
	290								
	70								
	110								
	150								
	190								
	230								
	270								
	310								
	350								
	390								
	430								
	470								
	510								
	550								
	590								
	630								
	670								

L Dimension Configurable Type (1mm Increment)									
Unit Price									
H	Stainless Steel								
	SSEBWM1	SSE2BWM1	SSEBWM1Z	SSE2BWM1Z	SEBWM1	SE2BWM1	SEBWM1L	SE2BWM1L	
9									
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.

**EX** Installation Examples - Conventional Type and Wide Block Type

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

## Options for Linear Guide

### Position Retaining Parts

#### Rail Push Plates



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#### Linear Lock



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#### Block Derailment Prevention Parts

#### Stopper Bolts



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#### Linear Guide Lock Units



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