

Miniature Linear Guides - Wide Rails

Wide Long Blocks, Light Preload

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

MISUMI Original

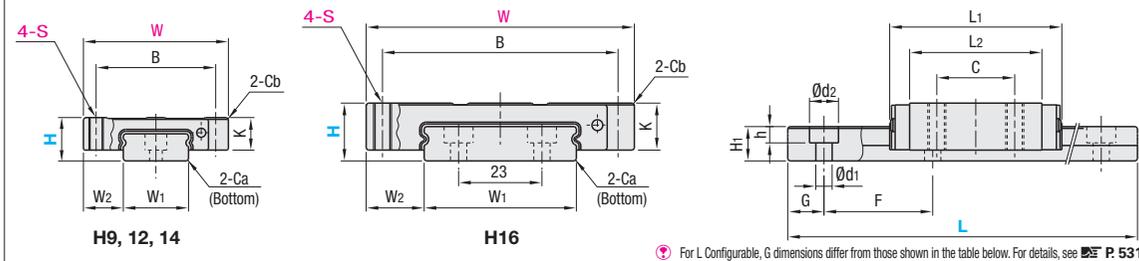


RoHS10

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	L Dimension	Number of Blocks
	Light Preload High Grade		
Stainless Steel 56HRC~	SSELBWM	Selectable	1
	SSEL2BWM		2
	SSELBWML	Configurable	1
	SSEL2BWML		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.
- Others**
 - Filled with Lithium soap based grease (Mulptemp 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.

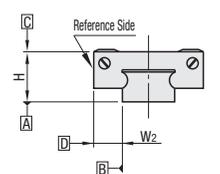
Part Number		L	Block Dimension							Guide Rail Dimension							
Type	H		W	L1	B	C	S	L2	K	Cb	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G
SSELBWM SSEL2BWM SSELBWML SSEL2BWML	9	80~290 (110)	36	43.5	29	19	M4	32.5	7	0.3	14	11	5.2	0.5	3.5x6x3.2	30	10
	12	80~290 (110)	40	51.6	33	24	M4	40.6	9	0.3	18	11	7.5	0.5	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

Dimensions in () are for 2-Block Type.

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
9	1.7	4.0	12.1	12.1	28.8	0.05	0.50
12	2.6	5.3	20.2	20.2	49.5	0.09	0.96
14	3.9	8.5	38.6	38.6	104.6	0.16	1.40
16	7.2	14.3	86.0	86.0	305.2	0.3	2.95

Preload and Accuracy Standards



Specifications 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

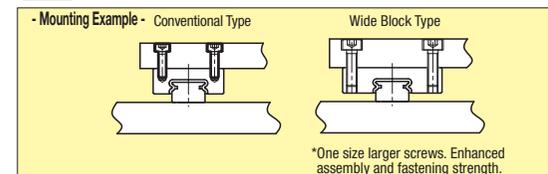
H	Selectable L	Unit Price	
		SSELBWM	SSEL2BWM
9	80		-
	110		
	140		
	170		
	200		
	230		
	260		
12	290		
	80		-
	110		
	140		
	170		
	200		
	230		
14	260		
	290		
	110		-
	150		
	190		
	230		
	270		
	310		
	350		
	390		
16	430		
	470		
	110		-
	150		
	190		
	230		
	270		
	310		
	350		
	390		
16	430	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

L Dimension Configurable Type (1mm Increment)

H	Unit Price	
	SSELBWML	SSEL2BWML
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.

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.
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	Applicable to Selectable Type only. Overall length will be shorter by cutting.

Options for Linear Guide

Position Retaining Parts	Block / Rail Fixing Parts
<ul style="list-style-type: none"> Stopper Bolts 	<ul style="list-style-type: none"> Rail Push Plates Linear Locks Linear Guide Lock Units
<ul style="list-style-type: none"> Block Derailment Prevention Parts 	