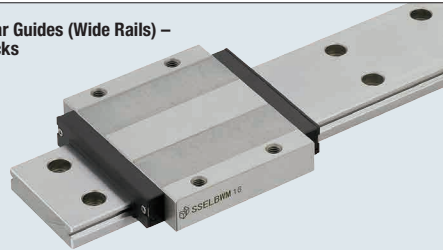


Miniature Linear Guides (Wide Rails / Wide Long Blocks)

Light Preload

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

Miniature Linear Guides (Wide Rails) – Wide Long Blocks
Light Preload



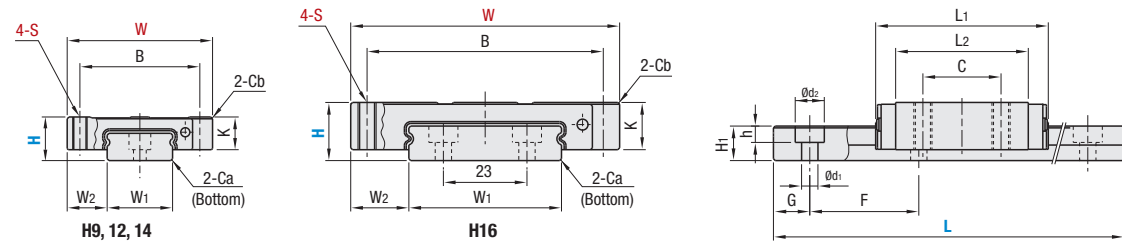
Material Hardness	Type	L Dimensions	Number of Blocks
	Light Preload		
Stainless Steel (440C Stainless Steel Materials) 56 HRC min.	SSELBWM	Selectable	1
	SSEL2BWM		2
	SSELBWML	Configurable	1
	SSEL2BWML		2

Heat Resistant Temperature: -20~80°C

Ⓢ For L Dimension Configurable Type, G dimensions differ from those shown. P.608.

RoHS10

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



Part Number	Type	H	L	Block Dimensions							Guide Rail Dimensions						
				W	L ₁	B	C	S	L ₂	K	Cb	W ₁	W ₂	H ₁	Ca	Counterbored Holes d ₁ x d ₂ x h	F
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	3.5 x 6 x 3.2	30	10
	12	110-470 (150)	40	51.6	33	24	M4	40.6	9	0.3	18	11	7.5	0.5	3.5 x 6 x 4.5	30	10
	14	110-470 (150)	51	61.6	44	28	M4	47.4	11	0.5	24	13.5	8	0.5	4.5 x 8 x 4.5	40	15
	16	110-670 (190)	74	74.9	65	35	M5	59.9	13	0.5	42	16	9.5	0.5	4.5 x 8 x 4.5	40	15

Ⓢ L Dimension: Dimensions in () are for the minimum rail length of the 2-Block Type.

Precautions for Use

- Ⓢ Blocks are equipped with retainers (wire) to prevent balls from derailing. For blocks, refer to P.602.
- Ⓢ 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.
- Ⓢ Running parallelism is the value measured after the rail is mounted (it is not the value measured before the rails are fastened with screws).

Others

- Filled with Lithium soap based grease (Multitemp Grease PS2 by Kyodo Yushi Co. Ltd.)
- For Operating Life Calculation P.604.



Part Number Example

Part Number - L

- SSELBWM12 - 200
- SSELBWM12L - 200 (L Type Greased)
- SSELBWM12G - 200 (G Type Greased)

Alternative grease types available.

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



Part Number 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. <table border="1"> <tr><th>H</th><th>MC</th></tr> <tr><td>9</td><td>M4</td></tr> <tr><td>12</td><td>M4</td></tr> <tr><td>14</td><td>M5</td></tr> <tr><td>16</td><td>M5</td></tr> </table>	H	MC	9	M4	12	M4	14	M5	16	M5			
H	MC														
9	M4														
12	M4														
14	M5														
16	M5														
Rail End Cut 	Left End Cut LLC Right End Cut RLC	Cuts rail ends. Ordering Code: LLC <table border="1"> <tr><th>H</th><th>L Cut</th><th>N</th></tr> <tr><td>9</td><td rowspan="3">5</td><td>5</td></tr> <tr><td>12</td><td>10</td></tr> <tr><td>14</td><td>10</td></tr> <tr><td>16</td><td></td><td></td></tr> </table> <ul style="list-style-type: none"> Ⓢ Applicable to Selectable Type only. Ⓢ Overall length will be shorter by cutting. 	H	L Cut	N	9	5	5	12	10	14	10	16		
H	L Cut	N													
9	5	5													
12		10													
14		10													
16															

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	Blocks 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

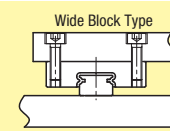
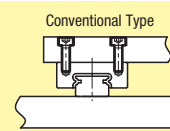


Miniature Linear Guides (Wide Rails / Wide Long Blocks)

Light Preload, continued

Application Example

Installation Example



*1 size larger screws. Enhanced assembly and fastening strength.

Preload & Accuracy Standards

Specifications	Light Preload / High Grade
Radial Clearance	-3~0
Height H Tolerance	±20
Pair Variation of Height H	15
Width W ₂ Tolerance	±25
Pair Variation of Width W ₂	20
Running Parallelism of Plane C against Plane A	Refer to P.602
Running Parallelism of Plane D against Plane B	

Options for Linear Guide

Positioning Retaining Parts	Block / Rail Fixing Parts
	Rail Push Plates
	Linear Lock
	Linear Guide Lock Units

