

# Miniature Linear Guides - Wide Rails

## Wide Long Blocks, Light Preload

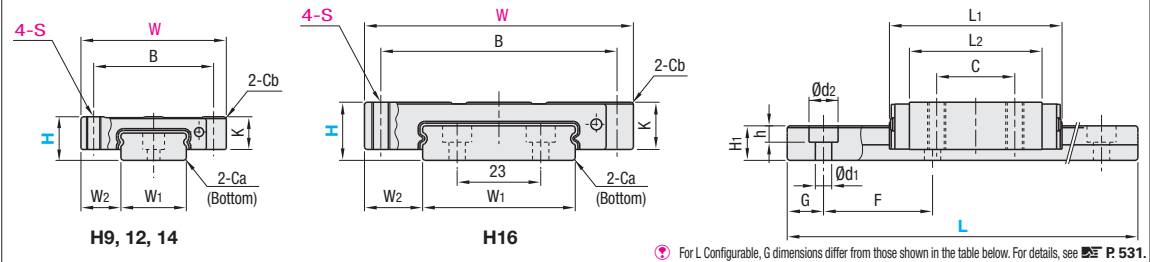
**Features:** **Wide Block** Type of MISUMI original specifications. Larger screw size has enhanced fastening strength compared to standard products.



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

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 (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](http://download.misumi.jp/mol/fa_soft.html).

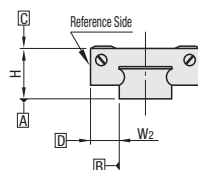
Part Number		L	Block Dimension							Guide Rail Dimension							
Type	H		W	L <sub>1</sub>	B	C	S	L <sub>2</sub>	K	Cb	W <sub>1</sub>	W <sub>2</sub>	H <sub>1</sub>	Ca	Counterbored Hole d <sub>1</sub> x <sub>2</sub> x <sub>h</sub>	F	G
SSELBWM SSEL2BWM SSELBWML SSEL2BWML	9	80~290 (110)	36	43.5	29	19	M4	32.5	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



Unit: µm

Specifications	Light Preload, High Grade
Radial Clearance	-3~0
Height H Tolerance	±20
Pair Variation of Height H	15
Width W <sub>2</sub> Tolerance	±25
Pair Variation of Width W <sub>2</sub>	20
Running Parallelism of Plane C against Plane A	See P.525
Running Parallelism of Plane D against Plane A	See P.525