

# Miniature Linear Guides (Wide Rails Standard Block with Dowel Holes)

## Light Preload

### Similar Products Comparison Points

Similar Products Comparison Points MISUMI original specifications with dowel holes. Requires less time for assembly and has better repeatability.

**Miniature Linear Guides (Wide Rails Standard Blocks with Dowel Holes) – Light Preload Slight Clearance**



ⓘ Blocks and rails are not sold as separate items. Light Preload Type has guaranteed radial clearances and accuracies as sets of blocks and rails.

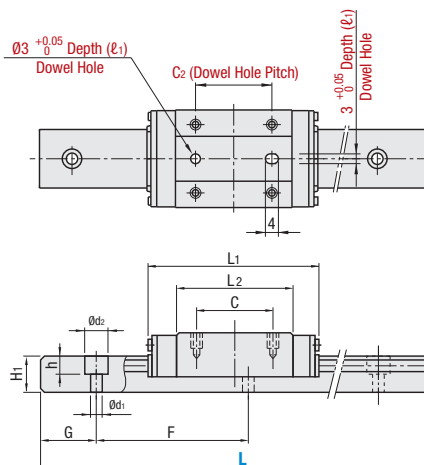
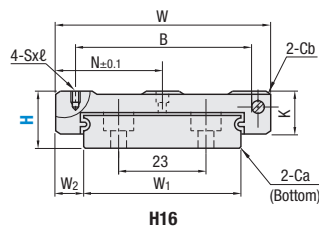
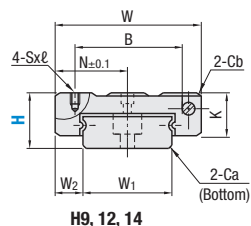
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**Features:** MISUMI original specifications with dowel holes.

Material Hardness	Type	L Dimensions	Number of Blocks
	Light Preload High Grade		
Stainless Steel 56 HRC min.	SSEBWN	Selectable	1
	SSE2BWN		2
	SSEBWNL	Configurable	1
	SSE2BWNL		2

Heat Resistant Temperature: -20~80°C

ⓘ For L Configurable, G dimensions differ from those shown in the table below. For details, P.608.



### Precautions for Use

- ⓘ Blocks are equipped with retainers (wire) to prevent balls from falling out. 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. When using, be sure to match the datum lines.
- ⓘ Rails cannot be connected end to end.
- ⓘ The accuracy of Linear Guides are guaranteed after mounting the rail (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 calculations, please refer to P.604, or by using our free software at, [http://www.misumiusa.com/lg-bs\\_software/](http://www.misumiusa.com/lg-bs_software/)

Part Number	Type	H	L	Block Dimensions							Dowel Hole Dimensions				Guide Rail Dimensions						
				W	L <sub>1</sub>	B	C	S x ℓ	L <sub>2</sub>	K	Cb	N	C2	(ℓ <sub>1</sub> )	W <sub>1</sub>	W <sub>2</sub>	H <sub>1</sub>	Ca	Counterbored Holes d <sub>1</sub> x d <sub>2</sub> x h		F
SSEBWN SSE2BWN SSEBWNL SSE2BWNL	9	50~290 (110)	25	31.1	18	12	M2.6 x 2.5	20.1	7	0.3	12.5	12	2.5	14	5.5	5.2	0.5	3.5 x 6 x 3.2		30	10
	12		30	38	21	12	M2.6 x 3	27	9	0.3	15	12	2.5	18	6	7.5	0.5	3.5 x 6 x 4.5		30	10
	14	70~470 (150)	40	44.3	28	15	M3 x 3.5	30.1	11	0.5	20	15	3.5	24	8	8	0.5	4.5 x 8 x 4.5		40	15
	16	70~670 (190)	60	55	45	20	M4 x 4.5	40	13	0.5	30	20	4	42	9	9.5	0.5	4.5 x 8 x 4.5		40	15

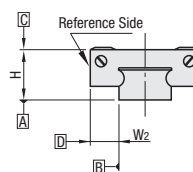
ⓘ L Dimension: Dimensions in ( ) are for the minimum rail length of the 2-Block Type

kgf=Nx0.101972

H	Basic Load Rating		Allowable Static Moment			Mass	
	C (Dynamic) kN	Co (Static) kN	M <sub>A</sub> N·m	M <sub>B</sub> N·m	M <sub>C</sub> N·m	Blocks kg	Guide Rails kg/m
9	1.4	2.2	7.8	7.8	15.5	0.02	0.50
12	2.3	3.7	13.7	16.3	30.4	0.04	0.96
14	3.5	5.3	20.6	22.3	52.1	0.08	1.40
16	5.8	8.5	40.2	43.6	148	0.15	2.95



### Preload & Accuracy Standards



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