

Miniature Linear Guides (Standard Blocks with Dowel Holes)

Light Preload / Slight Clearance

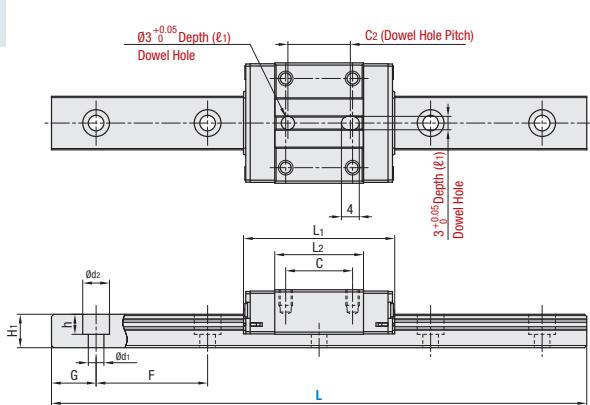
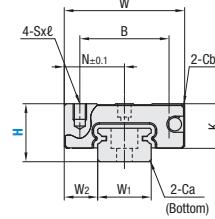
Similar Products Comparison Points

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



RoHS10

Features: MISUMI original specifications with dowel holes.



Precautions for Use

- Blocks are equipped with retainers (wire) to prevent balls from falling out. For proper block handling, 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 is 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.

Accessories

- H8 comes with cap screws. (M2x6).

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/

Part Number		L	Block Dimensions						Dowel Hole Dimensions		Guide Rail Dimensions											
Type	MX		W	L ₁	B	C	S x ℥	L ₂	K	C _b	N	C ₂	(ℓ ₁)	W ₁	W ₂	H ₁	C _a	Counterbored Holes d ₁ x d ₂ x h	F	G		
SSEBN	SSEBNZ	Blank: None -MX: Provided	8	40-130 (70)	17	23.6	12	8	M2 x 2.5	13.6	6.5	0.3	8.5	8	2	7	5	4.7	0.3	2.4 x 4.2 x 2.3	15	5
			10	35-275 (95)	20	30	15	10	M3 x 3	19	7.8	0.3	10	10	2.5	9	5.5	5.5	0.3	3.5 x 6 x 3.5	20	7.5
			13	45-470 (120)	27	33.9	20	15	M3 x 3.5	19.9	10	0.5	13.5	14	3	12	7.5	7.5	0.5	3.5 x 6 x 4.5	25	10
			16	70-670 (150)	32	42.4	25	20	M3 x 4	27.4	12	0.5	16	20	4	15	8.5	9.5	0.5	3.5 x 6 x 4.5	40	15
			20	100-700 (160)	40	50	30	25	M4 x 6	34.6	15	0.5	20	25	4	20	10	11	0.5	6 x 9.5 x 5.5	60	20

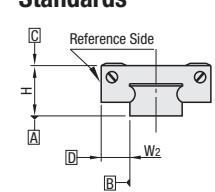
① L Dimension: Dimensions in () are for the minimum rail length of the 2-Block Type

kgf=Nx0.101972

H	Basic Load Rating		Allowable Static Moment		Mass		
	C (Dynamic) kN	C _o (Static) kN	M _A N·m	M _B N·m	M _C N·m	Blocks kg	Guide Rails kg/m
8	0.9	1.5	4.1	4.1	5.2	0.01	0.19
10	1.5	2.5	5.1	5.1	10.2	0.02	0.31
13	2.2	3.3	8.8	9.5	16.1	0.04	0.61
16	3.6	5.4	21.6	23.4	39.6	0.06	1.02
20	5.2	8.5	48.4	48.4	86.4	0.12	1.65



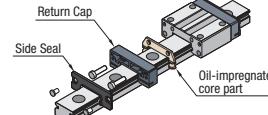
Preload & Accuracy Standards



Specifications	Light Preload High Grade	Slight Clearance Standard Grade
Radial Clearance	-3-0	0-15
Height H Tolerance	±20	±20
Height H Pair Variation	15	40
Width W ₁ Tolerance	±25	±25
Width W ₂ Pair Variation	20	40
Running Parallelism of surf. C against surf. A	Refer to P.602	
Running Parallelism of surf. D against surf. B	Refer to P.602	

① Slight Clearance Type has clearance (Gap) between rails and blocks. If precision / rigidity is required, Select Light Preload Type.

Lubrication Unit MX



Miniature Linear Guides (Standard Blocks with Dowel Holes)

Light Preload / Slight Clearance, continued



Part Number Example

Part Number - L

SSEBN10 - 275
SSE2BNL10L - 100 L Type Greased
SSE2BNL10G - 100 G Type Greased

Alternative grease types available.

① 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)
SSEBN16 - 430 - MC

Alterations

Code

Spec.



MC

Changes rail mounting holes from counterbored holes to tapped holes.

H	MC
8	M3
10	M4
13	M5
16	M6
20	

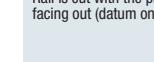


Left End Cut LLC

Rail ends cut.

Ordering Code: LLC

H	L Cut	N
10	2.5	
13	5	5
16	10	



Right End Cut RLC

Rail is cut with the product ID facing out (datum on other side).

3-Block Specifications

B3

Adds 2-blocks to the 1-block product.
① There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBNL10-200-B3

4-Block Specifications

B4

Adds 3-blocks to the 1-block product.

① There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBNL16-600-B4

Options for Linear Guide

Positioning Retaining Parts	Block / Rail Fixing Parts



Application Example

