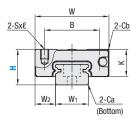
# **Miniature Linear Guides (Short Blocks)**

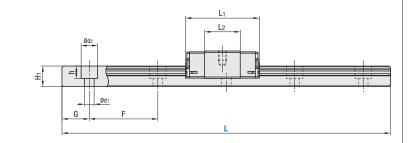
**Light Preload / Slight Clearance** 



	Ty	/pe	MX			
Material Hardness	Light Preload	ght Preload Slight Clearance		L Dimension	Number of Blocks	
	High Grade	Standard Grade	(Lubrication Unit)		or blooks	
	SSEBS	SSEBSZ		Selectable  Configurable	1	
Stainless Steel	SSE2BS	SSE2BSZ	Blank: None -MX: Provided		2	
56 HRC min.	SSEBSL	SSEBSLZ			1	
	SSE2BSL	SSE2BSLZ			2	

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





#### **Precautions for Use**

- O 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.
- ① 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.

#### Accessories

- H8 comes with cap screws (M2x6).

- 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/

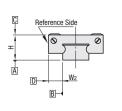
Part Number				Block Dimensions					Guide Rail Dimensions								
Туре	MX	Н	L	W	L <sub>1</sub>	В	Sxl	L <sub>2</sub>	K	Cb	W <sub>1</sub>	W <sub>2</sub>	H <sub>1</sub>	Ca	Counterbored Holes d <sub>1</sub> x d <sub>2</sub> x h	F	G
SSEBS SSEBSZ	_	8	40–130 (55)	17	19.6	12	M2 x 2.5	9.6	6.5	0.3	7	5	4.7	0.3	2.4 x 4.2 x 2.3	15	5
		10	35–275 (75)	20	22.9	15	M3 x 3	11.9	7.8	0.3	9	5.5	5.5	0.3	3.5 x 6 x 3.5	20	7.5
SSE2BS SSE2BSZ SSEBSL SSEBSLZ SSE2BSL SSE2BSLZ	Blank: None -MX: Provided	13	45–470 (95)	27	27	20	M3 x 3.5	13	10	0.5	12	7.5	7.5	0.5	3.5 x 6 x 4.5	25	10
	16	16	70–670 (110)	32	32.7	25	M3 x 4	17.7	12	0.5	15	8.5	9.5	0.5	3.5 x 6 x 4.5	40	15

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

						kg	f=Nx0.101972
	Basic Loa	ad Rating	Allow	able Static Mo	oment	Ma	iss
	C (Dynamic) kN	Co (Static) kN	M <sub>A</sub> N·m	M <sub>B</sub>	M° N∙m	Blocks kg	Guide Rails kg/m
,	0.70	1.07	1.0	1.6	16	0.000	0.10

8	0.79	1.27	1.9	1.6	4.6	0.008	0.19
10	1.16	1.68	3.1	2.6	7.9	0.015	0.31
13	1.63	2.38	5.2	4.4	14.8	0.025	0.61
16	3.08	4.23	12.3	10.3	32.6	0.05	1.02
	Ma		Мв	Mc			

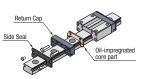
<b>Preload</b>	&	Accurac
Standar	ds	1



Specifications	Light Preload High Grade	Sligth Clearance Standard Grade			
Radial Clearance	-3–0	0–15			
Height H Tolerance	±20	±20			
Height H Pair Variation	15	40			
Width W <sub>2</sub> Tolerance	±25	±25			
Width W <sub>2</sub> Pair Variation	20	40			
Running Parallelism of surf. C against surf. A	Defeate B COO				
Running Parallelism of	Refer to <b>P.602</b>				

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

## **Lubrication Unit**



# **Miniature Linear Guides (Short Blocks)**

**Light Preload / Slight Clearance, continued** 





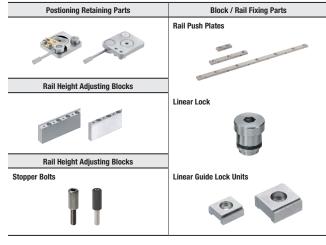
Alternative grease types available





### Code Tapped Holes Changes the rail mounting hole from counterbored holes H MC 8 M3 10 M4 16 M5 to tapped holes. Cuts rail ends. Left End Cut Ordering Code: LLC LLC Applicable to Selectable Type only. Rail is cut with the product ID facing Overall length will be shorter by cutting. out (datum on other side). RLC Not applicable to H8. Not applicable to L35 of H10 and L45 of H13. Adds 2-blocks to the 1-block product. There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBS10-120-B3 3-Block Specifications Adds 3-blocks to the 1-block product. There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBS16-190-B4 4-Block Specifications **B4**

## **Options for Linear Guide**



# Selectable Shortest Rail Length for B3/B4

Н	B3 (3-block)	B4 (4-block)
8	85	100
10	95	135
13	120	145
16	150	190



