



Miniature Linear Guides

Short Blocks, Light Preload / Slight Clearance

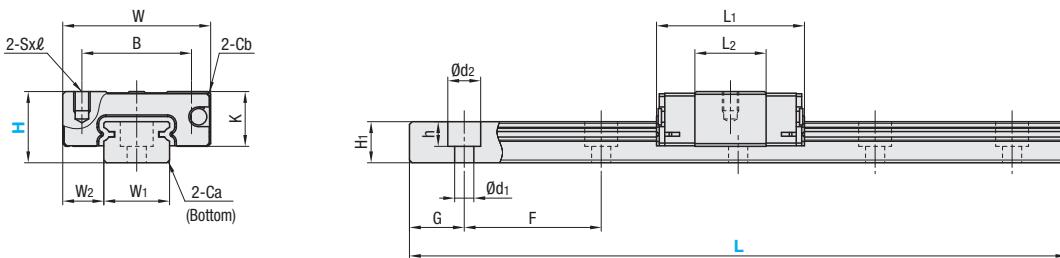
■ Features: Short Block Type of industry-standard spec. 20% more compact than standard blocks.

Industry Standard



RoHS10

● This Type has the same fitting dimensions as the other company products, and thus, can be substituted for them.
● 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 P531

■ Precautions for Use
● Blocks are equipped with retainers (wire) to prevent balls from falling off.
For how to handle the blocks, see P525.

● 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.

■ Accessory
● H comes with cap screws (M2x6).

■ Others
● Filled with Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.).
● For operating life calculation, see P527.
● For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.
● The MX type is greased with a lithium complex grease (TOUGHЛИX GREASE MP2, made by JXTG Nippon Oil & Energy Corporation).

Part Number

Type	MX	H	L	Block Dimension				Guide Rail Dimension				F	G								
				W	L1	B	SxL	L2	K	Cb	W1	W2	H1	Ca	Counterbored Hole d1x2xh						
Dimensions in () are for 2-Block Type.																					
Stainless Steel	SSEBS	SSE2BS	SSEBSL	SSE2BSL	-	8	40~130 (55)	17	19.6	12	M2x2.5	9.6	6.5	0.3	7	5	4.7	0.3	2.4x4.2x2.3	15	5
Industry Standard Specification	SSEBS	SSE2BS	SSEBSL	SSE2BSL	Blank: None	10	35~275 (75)	20	22.9	15	M3x3	11.9	7.8	0.3	9	5.5	5.5	0.3	3.5x6x3.5	20	7.5
Carbon Steel	SEBS	SE2BS	SEBSL	SE2BSL	-MX: Provided (for stainless steel only)	13	45~470 (95)	27	27	20	M3x3.5	13	10	0.5	12	7.5	7.5	0.5	3.5x6x4.5	25	10
	SE2BSL	SEBSL	SE2BSL	SEBSL		16	70~670 (110)	32	32.7	25	M3x4	17.7	12	0.5	15	8.5	9.5	0.5	3.5x6x4.5	40	15

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
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



Example Short Block



Space Savings by approx. 20%!

Standard Block



Preload and Accuracy Standards

Specifications		Light Preload, High Grade	Slight Clearance, Standard Grade
Radial Clearance	-3~0	0~+15	
Height H Tolerance	±20	±20	
Pair Variation of Height H	15	40	
Width W2 Tolerance	±25	±25	
Pair Variation of Width W2	20	40	
Running Parallelism of Plane C against Plane A	See P525		
Running Parallelism of Plane D against Plane A			

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

Lubrication Unit MX

The same block size as existing products!

The oil-impregnated porous core part has been built into the product.

● Advantages of the Lubrication Unit MX:
Provides long-term maintenance-free operation.
Reduces maintenance costs.

= For customers using industry standard products =

■ frame-surrounded products are compliant with the industry standard specifications (Stainless Steel, Light Preload, High Grade Type). Select the block from this spec.



Ordering Example

Part Number - L

SSE2BS10 - 275
SSEBN-MX10 - 275 (With Lubrication Unit)
SSE2BS10L - 175 (L Type Greased)
SSE2BS10G - 175 (G Type Greased)

Alternative grease types available. See P531

H	L	Unit Price							
		Stainless Steel		Carbon Steel		High Grade		Standard Grade	
SSEBS	SSE2BS	SSEBSZ	SSE2BSZ	SEBS	SE2BS	SEBSZ	SE2BSZ		
40									
55									
70									
85									
100									
115									
130									
155									
195									
215									
235									
255									
275									
45									
70									
95									
120									
145									
170									
195									
220									
245									
270									
295									
320									
345									
370									
395									
420									
445									
470									
70									
110									
150									
190									
230									
270									
310									
350									
390									
430									
510									
550									
590									
630									
670									

L Dimension Configurable Type (1mm Increment)

H	Unit Price							
	Stainless Steel		Carbon Steel		High Grade		Standard Grade	
SSEBSL	SSE2BSL	SSEBSZ	SSE2BSZ	SEBSL	SE2BSL	SEBSZ	SE2BSZ	
8								
10								
13								
16								

● For calculation of L Dimension Configurable Type (1mm Increment), add the above amount to the unit price of the Selectable Type longer than, and closest to this L Dimension Configurable Type.

Options for Linear Guide

Position Retaining Parts

Block / Rail Fixing Parts

Rail Push Plates

P607

Rail Height Adjusting Blocks

P612