



Miniature Linear Guides

Standard Blocks, Light Preload / Slight Clearance

Similar Products Comparison Points | The most basic type among all the industry standard specifications. Select from Light Preload Types with superior precision and rigidity.

Industry Standard

RoHS 10

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.

H6 Type

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
- H6 comes with Number 0, Class 1 Phillips button head screws (M2x6).
 - H8 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/ta_soft.html.
 - The MX type is greased with a lithium complex grease (TOUGHLIX GREASE MP2, made by JXTG Nippon Oil & Energy Corporation).

Part Number			L	Block Dimension									Guide Rail Dimension							
Type	MX	H		W	L ₁	B	C	Sxℓ	L ₂	K	Cb	W ₁	W ₂	H ₁	Ca	Counterbored Hole	F	G		
																d ₁ x d ₂ x h				
SSEB SSE2B SSEBL SSE2BL	SSEBV SSE2BV SSEBLV SSE2BLV	SSEBZ SSE2BZ SSEBLZ SSE2BLZ	Blank: None -MX: Provided	6	25~100 (70)	12	17.4	8	-	M2x1.5	9.7	4.5	0.3	5	3.5	4	0.3	2.4x3.5x1	15	5
				8	40~130 (70)	17	23.6	12	8	M2x2.5	13.6	6.5	0.3	7	5	4.7	0.3	2.4x4.2x2.3	15	5
				10	35~275 (75)	20	30	15	10	M3x3	19	7.8	0.3	9	5.5	5.5	0.3	3.5x6x3.5	20	7.5
				13	45~470 (95)	27	33.9	20	15	M3x3.5	19.9	10	0.5	12	7.5	7.5	0.5	3.5x6x4.5	25	10
				16	70~670 (110)	32	42.4	25	20	M3x4	27.4	12	0.5	15	8.5	9.5	0.5	3.5x6x4.5	40	15
				20	100~700 (160)	40	50	30	25	M4x6	34.6	15	0.5	20	10	11	0.5	6x9.5x5.5	60	20

kgf=Nx0.101972

Unit: μm

Preload and Accuracy Standards

Specifications

	Light Preload, High Grade	Light Preload, Precision Grade	Slight Clearance, Standard Grade
Radial Clearance	-3~0	0~+15	
Height H Tolerance	±20	±10	±20
Pair Variation of Height H	15	7	40
Width W2 Tolerance	±25	±15	±25
Pair Variation of Width W2	20	10	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 oil-impregnated porous core part has been built into the product.

The same block size as existing products!

Advantages of the Lubrication Unit MX:

- Provides long-term maintenance-free operation.
- Reduces maintenance costs.

H	L	Unit Price			
		SSEB	SSE2B	SSEBZ	SSE2BZ
6	25		-	-	-
	40		-	-	-
	55		-	-	-
	70		-	-	-
	85		-	-	-
8	100		-	-	-
	40		-	-	-
	55		-	-	-
	70		-	-	-
	85		-	-	-
10	100		-	-	-
	115		-	-	-
	130		-	-	-
	135		-	-	-
	155		-	-	-
13	175		-	-	-
	195		-	-	-
	215		-	-	-
	235		-	-	-
	255		-	-	-
16	275		-	-	-
	45		-	-	-
	70		-	-	-
	95		-	-	-
	120		-	-	-
20	145		-	-	-
	170		-	-	-
	195		-	-	-
	220		-	-	-
	245		-	-	-
20	270		-	-	-
	295		-	-	-
	320		-	-	-
	345		-	-	-
	370		-	-	-
20	395		-	-	-
	420		-	-	-
	445		-	-	-
	470		-	-	-
	70		-	-	-
20	110		-	-	-
	150		-	-	-
	190		-	-	-
	230		-	-	-
	270		-	-	-
20	310		-	-	-
	350		-	-	-
	390		-	-	-
	430		-	-	-
	470		-	-	-
20	510		-	-	-
	550		-	-	-
	590		-	-	-
	630		-	-	-
	670		-	-	-
20	100		-	-	-
	160		-	-	-
	220		-	-	-
	280		-	-	-
	340		-	-	-
20	400		-	-	-
	460		-	-	-
	520		-	-	-
	580		-	-	-
	640		-	-	-
20	700		-	-	-

H	Unit Price	
	SSEBL SSEBLZ	SSE2BL SSE2BLZ
6		
8		
10		
13		
16		
20		

Ordering Example

Part Number - L

SSEB10 - 275 (With Lubrication Unit)

SSEB-MX10 - 275 (LTBC Plating)

RSEB10 - 75 (L Type Greased)

SSEB10L - 75 (L Type Greased)

SSEB10G - 75 (G Type Greased)

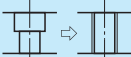
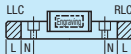
LTBC Plating and various Grease types available as alternative.

P531

Alterations

Part Number - L - (MC, RLC, LLC, WC, B3, B4)

SSEB16 - 430 - RLC

Alterations	Code	Spec.														
<p>Tapped Hole</p> 	MC	<table><tr><td>H</td><td>MC</td></tr><tr><td>6</td><td>M2.6</td></tr><tr><td>8</td><td>M3</td></tr><tr><td>10</td><td>M4</td></tr><tr><td>13</td><td>M5</td></tr><tr><td>16</td><td>M6</td></tr><tr><td>20</td><td>M6</td></tr></table> <p>Changes the rail mounting holes from counterbored holes to tapped holes.</p>	H	MC	6	M2.6	8	M3	10	M4	13	M5	16	M6	20	M6
H	MC															
6	M2.6															
8	M3															
10	M4															
13	M5															
16	M6															
20	M6															
<p>Rail End Cut</p> 	<p>Left End Cut LLC</p> <p>Right End Cut RLC</p>	<p>Cuts rail ends.</p> <table><tr><th colspan="2">Ordering Code</th><th>LLC</th></tr><tr><th>H</th><th>L Cut</th><th>N</th></tr><tr><td>10</td><td>2.5</td><td rowspan="3">5</td></tr><tr><td>13</td><td>5</td></tr><tr><td>16</td><td>10</td></tr></table> <ul style="list-style-type: none">Applicable to Selectable Type only.Overall length will be shorter by cutting.Not applicable to H6, 8, 20.Not applicable to L35 of H10 and L45 of H13.	Ordering Code		LLC	H	L Cut	N	10	2.5	5	13	5	16	10	
Ordering Code		LLC														
H	L Cut	N														
10	2.5	5														
13	5															
16	10															
<p>Parallel Use of 2 Rails</p>	WC	<p>Pair variation of Height H between 2 rails is set within 15μm. Rails are shipped in pairs.</p> <ul style="list-style-type: none">Specify the actual rail quantity (even number) to order, not "pairs".Applicable to High Grade Type only.Not applicable to low temperature chrome plated products.														
<p>3-Block Specifications</p>	B3	<p>Add 2 blocks to 1-block product to ship as 3-block separate item.</p> <ul style="list-style-type: none">There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEB10-255-B3														
<p>4-Block Specifications</p>	B4	<p>Add 3 blocks to 1-block product to ship as 4-block separate item.</p> <ul style="list-style-type: none">There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEB16-670-B4														

Additional Block Price (Same Price for High/Standard Grade)				Selectable Shortest Rail Length for B3/B4			
H	B3: Price Adder		B4: Price Adder		H	B3 (3-block)	B4 (4-block)
	Standard	Standard MX	Standard	Standard MX			
*6		-	-	-	6	85	100
8		-	-	-	8	85	115
10					10	115	155
13					13	145	170
16					16	190	230
20					20	220	280

* H6 B3 (3 blocks) is applicable to High Grade Type only

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.