



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.

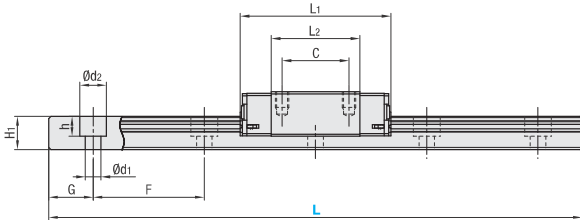
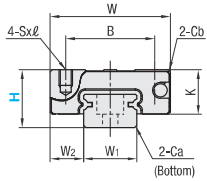
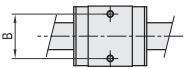
Industry Standard



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.

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 feeding 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 (Muprep 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 (TOUGH-LX GREASE MP2, made by JNTG Nippon Oil & Energy Corporation).

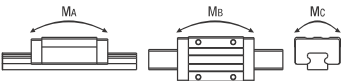
Part Number			L	Block Dimension								Guide Rail Dimension								
Type	MX	H		W	L ₁	B	C	Sxℓ	L ₂	K	Cb	W ₁	W ₂	H ₁	Ca	Counterbored Hole d1xd2xh	F	G		
SSEB SSE2B SSEBL SSE2BL	SSEBV SSE2BV SSEBLV SSE2BLV	SSEBZ SSE2BZ SSEBLZ SSE2BLZ	Blank: None -MX: Provided	6	25-100 (70)	12	17.4	8	-	M2x1.5	9.7	4.5	0.3	5	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
ⓘ Dimensions in () are for 2-Block Type.																				

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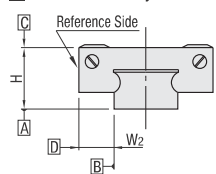
kgf=Nx0.101972

Unit: µm

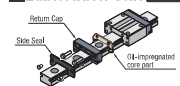
H	C (Dynamic) kN	Co (Static) kN	Allowable Static Moment N·m	MA N·m	MB N·m	MC N·m	Block Mass kg	Guide Rail Mass kg/m
6	0.3	0.6	0.8	0.8	1.5	0.004	0.13	0.13
8	0.9	1.5	4.1	4.1	5.2	0.01	0.19	0.19
10	1.5	2.5	5.1	5.1	10.2	0.02	0.31	0.31
13	2.2	3.3	8.8	9.5	16.1	0.04	0.61	0.61
16	3.6	5.4	21.6	23.4	39.6	0.06	1.02	1.02
20	5.2	8.5	48.4	48.4	86.4	0.12	1.65	1.65



Preload and Accuracy Standards



Lubrication Unit MX



The same block size as existing products!

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

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

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	10
Width W ₂ Tolerance	±25	±15	±25
Pair Variation of Width W ₂	20	10	40
Running Parallelism of Plane C against Plane A	See P525		
Running Parallelism of Plane D against Plane A	See P525		

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

H	L	Unit Price			
		SSEB	SSE2B	SSEBZ	SSE2BZ
6	25	-	-	-	-
	40	-	-	-	-
	55	-	-	-	-
	70	-	-	-	-
	85	-	-	-	-
	100	-	-	-	-
8	40	-	-	-	-
	55	-	-	-	-
	70	-	-	-	-
	85	-	-	-	-
	100	-	-	-	-
	115	-	-	-	-
10	130	-	-	-	-
	35	-	-	-	-
	55	-	-	-	-
	75	-	-	-	-
	95	-	-	-	-
	115	-	-	-	-
13	135	-	-	-	-
	155	-	-	-	-
	175	-	-	-	-
	195	-	-	-	-
	215	-	-	-	-
	235	-	-	-	-
16	255	-	-	-	-
	275	-	-	-	-
	45	-	-	-	-
	70	-	-	-	-
	95	-	-	-	-
	120	-	-	-	-
20	145	-	-	-	-
	170	-	-	-	-
	195	-	-	-	-
	220	-	-	-	-
	245	-	-	-	-
	270	-	-	-	-
20	295	-	-	-	-
	320	-	-	-	-
	345	-	-	-	-
	370	-	-	-	-
	395	-	-	-	-
	420	-	-	-	-
20	445	-	-	-	-
	470	-	-	-	-
	70	-	-	-	-
	110	-	-	-	-
	150	-	-	-	-
	190	-	-	-	-
20	230	-	-	-	-
	270	-	-	-	-
	310	-	-	-	-
	350	-	-	-	-
	390	-	-	-	-
	430	-	-	-	-
20	470	-	-	-	-
	510	-	-	-	-
	550	-	-	-	-
	590	-	-	-	-
	630	-	-	-	-
	670	-	-	-	-
20	100	-	-	-	-
	160	-	-	-	-
	220	-	-	-	-
	280	-	-	-	-
	340	-	-	-	-
	400	-	-	-	-
20	460	-	-	-	-
	520	-	-	-	-
	580	-	-	-	-
	640	-	-	-	-
	700	-	-	-	-
	760	-	-	-	-

L Dimension Configurable Type (1mm Increment)

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



Part Number	-	L
SSEB10	-	275
SSEB-MX10	-	275 (With Lubrication Unit)
SSEB10	-	75 (LTBC Plating)
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.																					
Tapped Hole	MC	Changes the rail mounting holes from counterbored holes to tapped holes. <table><tr><th>H</th><th>MC</th><th>Available L</th></tr><tr><td>6</td><td>M2.6</td><td>L ≤ 100</td></tr><tr><td>8</td><td>M3</td><td>L ≤ 130</td></tr><tr><td>10</td><td>M3</td><td>L ≤ 275</td></tr><tr><td>13</td><td>M4</td><td>L ≤ 470</td></tr><tr><td>16</td><td>M5</td><td>L ≤ 670</td></tr><tr><td>20</td><td>M6</td><td>L ≤ 700</td></tr></table>	H	MC	Available L	6	M2.6	L ≤ 100	8	M3	L ≤ 130	10	M3	L ≤ 275	13	M4	L ≤ 470	16	M5	L ≤ 670	20	M6	L ≤ 700
H	MC	Available L																					
6	M2.6	L ≤ 100																					
8	M3	L ≤ 130																					
10	M3	L ≤ 275																					
13	M4	L ≤ 470																					
16	M5	L ≤ 670																					
20	M6	L ≤ 700																					
Rail End Cut	LLC	Cuts rail ends, Enter/Exit Code <table><tr><th>H</th><th>L Cut</th><th>N</th></tr><tr><td>10</td><td>2.5</td><td>-</td></tr><tr><td>13</td><td>5</td><td>5</td></tr><tr><td>16</td><td>10</td><td>-</td></tr></table> Rail is cut with the product ID facing out (datum on other side).	H	L Cut	N	10	2.5	-	13	5	5	16	10	-									
H	L Cut	N																					
10	2.5	-																					
13	5	5																					
16	10	-																					
Parallel Use of 2 Rails	WC	Pair variation of Height H between 2 rails is set within 15µm. Rails are shipped in pairs. 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.																					
3-Block Specifications	B3	Add 2 blocks to 1-block product to ship as 3-block separate item. There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEB10-255-B3																					
4-Block Specifications	B4	Add 3 blocks to 1-block product to ship as 4-block separate item. 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
8	-	-	-	-	8	85
10	-	-	-	-	10	115
13	-	-	-	-	13	145
16	-	-	-	-	16	190
20	-	-	-	-	20	220

* 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.