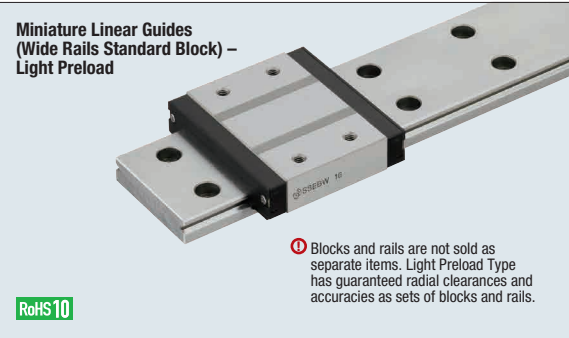


Miniature Linear Guides (Wide Rails Standard Block)

Light Preload / Slight Clearance

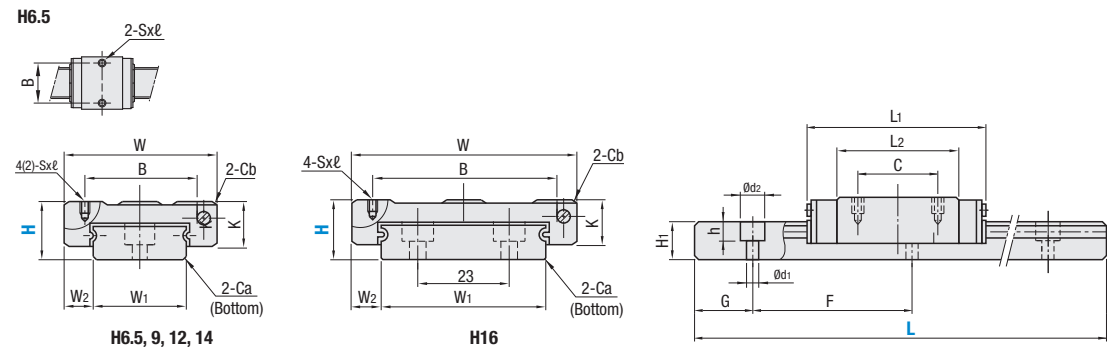
Similar Products Comparison Points

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



Material Hardness	Type			L Dimension	Number of Blocks
	Light Preload		Slight Clearance		
	High Grade	Precision Grade	Standard Grade		
Stainless Steel 56 HRC min.	SSEBW	SSEBWV	SSEBWZ	Selectable	1
	SSE2BW	SSE2BWV	SSE2BWZ		2
	SSEBWL	SSEBWL	SSEBWLZ	Configurable	1
	SSE2BWL	SSE2BWL	SSE2BWLZ		2

Heat Resistant Temperature: -20~80°C
 ⓘ For L Configurable, G dimensions differ from those shown in the table below. For details, P.608.
 ⓘ H6.5 has no precision grade.



ⓘ The number in parenthesis is the No. of tapped holes for H6.5.

Precautions for Use

- ⓘ Blocks are equipped with retainers (wire) to prevent balls from falling out. Refer to P.602.
- ⓘ Radial clearances and accuracies are not guaranteed if the blocks and rails in the Light Preload Type 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.

Accessories

– H6.5 comes with Number 0, Class 1 Phillips button head screws (M2.5x7).

Others

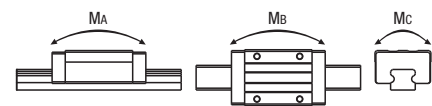
– Filled with Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.).

Part Number		H	L	Block Dimensions							Guide Rail Dimensions							
Type				W	L ₁	B	C	S x ℓ	L ₂	K	Cb	W ₁	W ₂	H ₁	Ca	Counterbored Holes d ₁ x d ₂ x h	F	G
		6.5	50-130 (70)	17	21	13	—	M2.5 x 1.5	13.3	5	0.3	10	3.5	4	0.3	3 x 5 x 1.6	20	5
SSEBW	SSEBWV	9	50-290 (110)	25	31.1	18	12	M2.6 x 2.5	20.1	7	0.3	14	5.5	5.2	0.5	3.5 x 6 x 3.2	30	10
SSE2BW	SSE2BWV	12	50-290 (110)	30	38	21	12	M2.6 x 3	27	9	0.3	18	6	7.5	0.5	3.5 x 6 x 4.5	30	10
SSEBWL	SSEBWL	14	70-470 (150)	40	44.3	28	15	M3 x 3.5	30.1	11	0.5	24	8	8	0.5	4.5 x 8 x 4.5	40	15
SSE2BWL	SSE2BWL	16	70-670 (190)	60	55	45	20	M4 x 4.5	40	13	0.5	42	9	9.5	0.5	4.5 x 8 x 4.5	40	15

ⓘ 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	Co (Static) kN	M _A N·m	M _B N·m	M _C N·m	Blocks kg	Guide Rails kg/m
6.5	0.5	0.9	2.0	2.0	4.0	0.006	0.28
9	1.4	2.2	7.8	7.8	15.5	0.02	0.50
12	2.3	3.7	13.7	16.3	30.4	0.04	0.96
14	3.5	5.3	20.6	22.3	52.1	0.08	1.40
16	5.8	8.5	40.2	43.6	148	0.15	2.95



Features: Wide Rail Standard Block Type of industry standard specifications.

Miniature Linear Guides (Wide Rails Standard Block)

Light Preload / Slight Clearance, *continued*

Part Number Example

Part Number - L

- SSEBW12 - 200 Low Temperature
- RSEBW12 - 200 Black Chrome Plating
- SSEBW12L - 200 L Type Greased
- SSEBW12G - 200 G Type Greased

Low Temperature Black Chrome Plating and various Grease types available as alternative.

Part Number Alterations

Part Number - L - (MC / RLC / LLC)

SSE2BWL16 - 450 - MC

Alterations	Code	Spec.												
Tapped Holes	MC	Changes rail mounting holes from counterbored holes to tapped holes. <table border="1"> <tr><th>H</th><th>MC</th></tr> <tr><td>6.5</td><td>M3</td></tr> <tr><td>9</td><td>M4</td></tr> <tr><td>12</td><td>M4</td></tr> <tr><td>14</td><td>M5</td></tr> <tr><td>16</td><td>M5</td></tr> </table>	H	MC	6.5	M3	9	M4	12	M4	14	M5	16	M5
H	MC													
6.5	M3													
9	M4													
12	M4													
14	M5													
16	M5													
Rail Ends Cut	Left End Cut LLC Right End Cut RLC	Cuts rail ends. Ordering Code: LLC <table border="1"> <tr><th>H</th><th>L Cut</th><th>N</th></tr> <tr><td>9</td><td rowspan="4">5</td><td>5</td></tr> <tr><td>12</td><td>5</td></tr> <tr><td>14</td><td>10</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 H6.5. ⓘ Not applicable to L dimension 70 or less. 	H	L Cut	N	9	5	5	12	5	14	10	16	10
H	L Cut	N												
9	5	5												
12		5												
14		10												
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. <ul style="list-style-type: none"> ⓘ Must be ordered in quantities of 2. ⓘ Applicable to High Grade Type only. ⓘ Not applicable to low temperature chrome plated products. 												
3-Block Specifications	B3	Adds 2-blocks to the 1-block product. <ul style="list-style-type: none"> ⓘ There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBW9-260-B3 												
4-Block Specifications	B4	Adds 3-blocks to the 1-block product. <ul style="list-style-type: none"> ⓘ There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBWL14-465-B4 												

Selectable Shortest Rail Length for B3/B4

H	B3 (3-block)	B4 (4-block)
6.5	90	110
9	140	170
12	140	220
14	190	230
16	230	270

Options for Linear Guide

Positioning Retaining Parts	Block / Rail Fixing Parts
	Rail Push Plates
Rail Height Adjusting Blocks 	Linear Lock
Stopper Bolts 	Linear Guide Lock Units