

Miniature Linear Guides - Wide Rails -

Standard Blocks, Light Preload / Slight Clearance

= For customers using industry standard products =

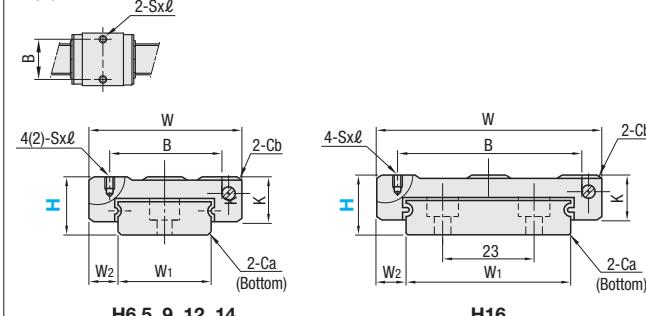
■ frame-surrounded products are compliant with the industry standard specifications (Stainless Steel, Light Preload, High Grade Type). Select the block from this spec.

Similar Products Comparison Points | The industry standard Wide Rails, Standard Blocks. Select from Light Preload Types with superior precision and rigidity.



• 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.

H6.5



H6.5, 9, 12, 14

Heat Resistant Temperature: -20 ~ 80°C
 • H6.5 is for stainless steel only.
 • H6.5 has no precision grade.

• For L Configurable, G dimensions differ from those shown in the table below. For details, see [P.531](#).

• The number in () is the Number of tapped holes for H6.5.

■ Precautions for Use
 • Blocks are equipped with retainers (wire) to prevent balls from falling off.
 For how to handle the blocks, see [P.525](#).
 • 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
 • H6.5 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.).
 For operating life calculation, see [P.527](#).
 For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/ta_soft.html.

Part Number

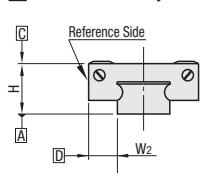
Type	H	L	Block Dimension					Guide Rail Dimension												
			W	L1	B	C	SxL	L2	K	Cb	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G			
• Dimensions in () are for 2-Block Type.																				
Stainless Steel	SSEBW	SSEBWV	SSEBWZ	6.5	50~130 (70)	17	21	13	-	M2.5x1.5	13.3	5	0.3	10	3.5	4	0.3	3x5x1.6	20	5
	SSE2BW	SSE2BWV	SSE2BWZ	9	50~290 (110)	25	31.1	18	12	M2.6x2.5	20.1	7	0.3	14	5.5	5.2	0.5	3.5x6x3.2	30	10
	SSEBWL	SSEBWLV	SSEBWZL	12	50~290 (110)	30	38	21	12	M2.6x3	27	9	0.3	18	6	7.5	0.5	3.5x6x4.5	30	10
Carbon Steel	SEBW	SEBWV	SEBWZ	14	70~470 (150)	40	44.3	28	15	M3x3.5	30.1	11	0.5	24	8	8	0.5	4.5x8x4.5	40	15
	SE2BW	SE2BWV	SE2BWZ																	
	SEBWL	SEBWLV	SEBWZL																	
	SE2BWL	SE2BWLV	SE2BWZL	16	70~670 (190)	60	55	45	20	M4x4.5	40	13	0.5	42	9	9.5	0.5	4.5x8x4.5	40	15

kgf=Nx0.101972

H	Basic Load Rating		Allowable Static Moment		Mass		
	C (Dynamic) kN	C (Static) kN	M _a N·m	M _b N·m	M _c N·m	Block kg	Guide Rail 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



■ 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					
Running Parallelism of Plane D against Plane A					

See [P.525](#)
 • Slight Clearance Type has clearance (Gap) between rails and blocks.
 If precision / rigidity is required, select Light Preload Type.

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 ■ 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

SSEBW12	- 200	(LTBC Plating)
RSEBW12	- 200	(L Type Greased)
SSEBW12L	- 200	(G Type Greased)
SSEBW12G	- 200	

LTBC Plating and various Grease types available as alternative.

[P.531](#)

H	L	Unit Price					
		Stainless Steel			Carbon Steel		
6.5	50	-	-	-	-	-	-
6.5	70	-	-	-	-	-	-
6.5	90	-	-	-	-	-	-
6.5	110	-	-	-	-	-	-
6.5	130	-	-	-	-	-	-
9	50	-	-	-	-	-	-
9	80	-	-	-	-	-	-
9	110	-	-	-	-	-	-
9	140	-	-	-	-	-	-
9	170	-	-	-	-	-	-
9	200	-	-	-	-	-	-
9	230	-	-	-	-	-	-
9	260	-	-	-	-	-	-
9	290	-	-	-	-	-	-
12	50	-	-	-	-	-	-
12	80	-	-	-	-	-	-
12	110	-	-	-	-	-	-
12	140	-	-	-	-	-	-
12	170	-	-	-	-	-	-
12	200	-	-	-	-	-	-
12	230	-	-	-	-	-	-
12	260	-	-	-	-	-	-
12	290	-	-	-	-	-	-
14	70	-	-	-	-	-	-
14	110	-	-	-	-	-	-
14	150	-	-	-	-	-	-
14	190	-	-	-	-	-	-
14	230	-	-	-	-	-	-
14	270	-	-	-	-	-	-
14	310	-	-	-	-	-	-
14	350	-	-	-	-	-	-
14	390	-	-	-	-	-	-
14	430	-	-	-	-	-	-
14	470	-	-	-	-	-	-
16	70	-	-	-	-	-	-
16	110	-	-	-	-	-	-
16	150	-	-	-	-	-	-
16	190	-	-	-	-	-	-
16	230	-	-	-	-	-	-
16	270	-	-	-	-	-	-
16	310	-	-	-	-	-	-
16	350	-	-	-	-	-	-
16	390	-	-	-	-	-	-
16	430	-	-	-	-	-	-
16	470	-	-	-	-	-	-
16	510	-	-	-	-	-	-
16	550	-	-	-	-	-	-
16	630	-	-	-	-	-	-
16	670	-	-	-	-	-	-

H	Unit Price			
	Stainless Steel		Carbon Steel	
6.5	SSEBW12	SSEBW12L	SEBW12	SEBW12L
9	SSEBW12	SSEBW12L	SEBW12	SEBW12L
12	SSEBW12	SSEBW12L	SEBW12	SEBW12L
14	SSEBW12	SSEBW12L	SEBW12	SEBW12L
16	SSEBW12	SSEBW12L	SEBW12	SEBW12L

• 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.