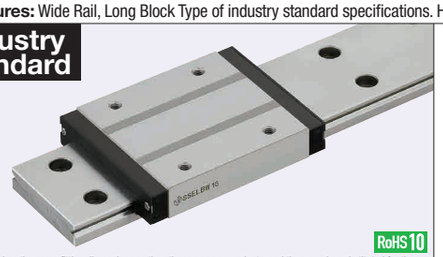
Miniature Linear Guides - Wide Rails

Long Blocks, Light Preload

= 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.

Features: Wide Rail, Long Block Type of industry standard specifications. Higher load ratings and allowable moments than standard blocks.

Industry Standard

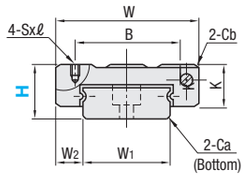


RoHS 10

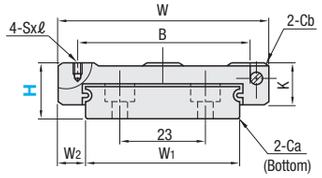
This Type has the same fitting dimensions as the other company products, and thus, can be substituted for them.
Blocks and rails are not sold as separate items. This Type has guaranteed radial clearances and accuracies as sets of blocks and rails.

Material / Hardness		Type: Light Preload – High Grade	Light Preload – Precision Grade	Slight Clearance – Standard Grade	L Dimension	Number of Blocks
Industry Standard Materials	Stainless Steel 56HRC~	SSELBW	SSELBWV	SSELBWZ	Selectable	1
		SSEL2BW	SSEL2BWV	SSEL2BWZ		2
		SSELBWL	SSELBWLV	SSELBWLZ	Configurable	1
		SSEL2BWL	SSEL2BWLV	SSEL2BWLZ		2
	Carbon Steel 58HRC~	SELBW	SELBWV	SELBWZ	Selectable	1
		SEL2BW	SEL2BWV	SEL2BWZ		2
		SELBWL	SELBWLV	SELBWLZ	Configurable	1
		SEL2BWL	SEL2BWLV	SEL2BWLZ		2

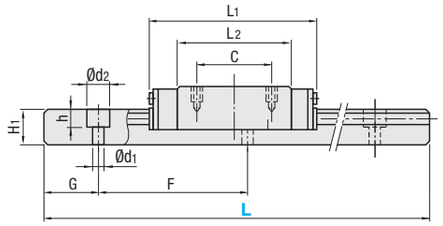
Heat Resistant Temperature: -20 ~ 80°C



H9, 12, 14



H16



For L Configurable, G dimensions differ from those shown in the table below. For details, see P. 531.

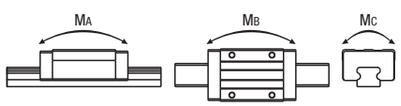
Precautions for Use
- Blocks are equipped with retainers (wire) to prevent balls from falling off. For how to handle the blocks, see P. 525.
- Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from the original set combinations.
- Straight grooves are provided 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.

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/fa_soft.html.

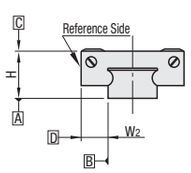
Part Number Type	H	L	Block Dimension W	L1	B	C	Sxℓ	L2	K	Cb	Guide Rail Dimension W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G
Dimensions in ( ) are for 2-Block Type.																	
Stainless Steel																	
Industry Standard Specifications: SSELBW, SSEL2BW, SSELBWL, SSEL2BWL	9	80~290 (110)	25	43.5	19	19	M3x3	32.5	7	0.3	14	5.5	5.2	0.5	3.5x6x3.2	30	10
SSELBWV, SSEL2BWV, SSELBWLV, SSEL2BWLV	12	80~290 (110)	30	51.6	23	24	M3x3	40.6	9	0.3	18	6	7.5	0.5	3.5x6x4.5	30	10
SSELBWZ, SSEL2BWZ, SSELBWLZ, SSEL2BWLZ	14	110~470 (150)	40	61.6	28	28	M3x3.5	47.4	11	0.5	24	8	8	0.5	4.5x8x4.5	40	15
Carbon Steel																	
SELBW, SEL2BW, SELBWL, SEL2BWL	16	110~670 (190)	60	74.9	45	35	M4x4.5	59.9	13	0.5	42	9	9.5	0.5	4.5x8x4.5	40	15
SELBWV, SEL2BWV, SELBWLV, SEL2BWLV																	
SELBWZ, SEL2BWZ, SELBWLZ, SEL2BWLZ																	

kgf=Nx0.101972

H	Basic Load Rating C (Dynamic) kN	Co (Static) kN	Allowable Static Moment MA N·m	MB N·m	MC N·m	Mass Block kg	Guide Rail kg/m
9	1.7	4.0	12.1	12.1	28.8	0.035	0.50
12	2.6	5.3	20.2	20.2	49.5	0.06	0.96
14	3.9	8.5	38.6	38.6	104.6	0.12	1.40
16	7.2	14.3	86.0	86.0	305.2	0.23	2.95



Preload and Accuracy Standards



Unit: µm

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 P. 525		
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.

Ordering Example

Part Number	-	L	
SSELBW12	-	200	
RSELBW12	-	200	(Low Temperature Black Chrome Plating)
SSELBW12L	-	200	(L Type Greased)
SSELBW12G	-	200	(G Type Greased)

Low Temperature Black Chrome Plating and various Grease types available as alternative. P.531

H	L	Unit Price: Stainless Steel SSELBW	SSEL2BW	SSELBWZ	SSEL2BWZ	Carbon Steel SELBW	SEL2BW	SELBWZ	SEL2BWZ
9	80		-		-		-		-
	110								
	140								
	170								
	200								
	230								
	260								
	290								
12	80		-		-		-		-
	110								
	140								
	170								
	200								
	230								
	260								
	290								
14	110		-		-		-		-
	150								
	190								
	230								
	270								
	310								
	350								
	390								
	430								
	470								
16	110		-		-		-		-
	150		-		-		-		-
	190								
	230								
	270								
	310								
	350								
	390								
	430								
	470								
	510								
	550								
	590								
	630								
	670								

L Dimension Configurable Type (1mm Increment)

H	Unit Price: Stainless Steel SSELBWL SSELBWLZ	SSEL2BWL SSEL2BWLZ	Carbon Steel SELBWL SELBWLZ	SEL2BWL SEL2BWLZ
9				
12				
14				
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



P.607

Block Derailment Prevention Parts

Stopper Bolts



P.612

Block / Rail Fixing Parts

Rail Push Plates



Linear Lock



P.613

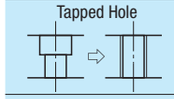
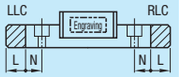
Linear Guide Lock Units P.612



P.614

Alterations

Part Number - L - (MC, RLC, LLC, WC, B3, B4)
SSEL2BWL16 - 450 - MC

Alterations	Code	Spec.
Tapped Hole 	MC	Changes the rail mounting holes from counterbored holes to tapped holes. H: 9, 12 → M4; 14, 16 → M5
Rail End Cut  Rail is cut with the product ID facing out (datum on other side).	Left End Cut LLC	Cuts rail ends. Ordering Code: LLC. H: 9, 12, 14, 16; L Cut: 5; N: 5 or 10. Applicable to Selectable Type only. Overall length will be shorter by cutting.
	Right End Cut RLC	
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: SELBW12-260-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: SSELBW9-290-B4

Additional Block Price (Same Price for High/Standard Grade)

H	B3: Price Adder Stainless Steel	Carbon Steel	B4: Price Adder Stainless Steel	Carbon Steel
9				
12				
14				
16				

Unit price for Precision Type is the above price x1.2. (Round to the nearest Ten JPY.)

Selectable Shortest Rail Length for B3/B4

H	B3 (3-block)	B4 (4-block)
9	170	200
12	200	260
14	230	310
16	270	350