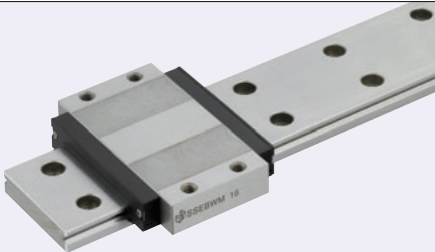


Miniature Linear Guides -Wide Rails-
-Wide Standard Blocks / Light Preload, Interchangeable-Slight Clearance-

Linear Guide Related Products			
Position-keeping Parts	Rails Height Adjusting Blocks	Blocks Fall-off Prevention Parts Dust Resistant Parts	Blocks / Rails Fixing Parts
P581~ P588			

■Features: Wide Block Type of MISUMI original specifications. Larger screw size has enhanced fastening strength compared to standard products.

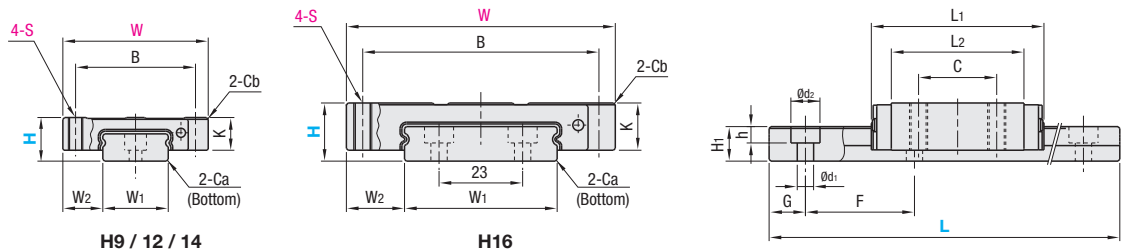
RoHS 10



⚠Blocks and rails are not sold as separate items. Light Preload Type have guaranteed radial clearances and accuracies as sets of blocks and rails.

Material Hardness	Type			L Dimension	Blocks Quantity
	Light Preload	Interchangeable-Slight Clearance			
	High Grade	Standard Grade			
STKM (Alloy Steel including SCM) 58HRC~	Sets		SWZMB	Selectable	1
	SEBWM	SEBWMZ			2
	SE2BWM	SE2BWMZ		Specified	1
	SEBWML	SEBWM LZ			2
Stainless Steel (SUS440C Equivalent Material) 56HRC~	Sets		SSWZMB	Selectable	1
	SSEBWM	SSEBWMZ			2
	SE2BWM	SE2BWMZ		Specified	1
	SSEBWML	SSEBWM LZ			2

Heat Resistant Temperature: -20~80°C



■Precautions for Use

- ⚠Blocks are equipped with retainers (wire) to prevent balls from falling out. Refer to P501
- ⚠Radial clearances and accuracies are not guaranteed if the blocks and rails in the Light Preload Type are interchanged from the original set combinations.
- ⚠Blocks and rails can be used interchangeably with Interchangeable-Slight Clearance Type.
- ⚠Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
- ⚠Rails cannot be connected to be extended.
- ⚠Running parallelism is the value measured after the rail is mounted.

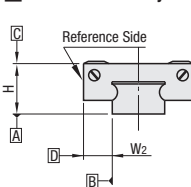
■Others

- For G dimensions of L Dimension Configurable Type, refer to P507
- Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.) is filled.
- For life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html (in Japanese only). Refer to P503.

Part Number				Block Dimensions							Guide Rail Dimensions								
Type				H	W ±0.05	L1	B	C	S	L2	K	Cb	W1 ±0.005	W2	H1	Ca	Counterbored Holes d1xd2xh	F	G
STKM (1 Block) SEBWM SEBWML SEBWMZ SEBWM LZ	(2 Blocks) SE2BWM SE2BWML SE2BWMZ SE2BWM LZ	Stainless Steel (1 Block) SSEBWM SSEBWML SSEBWMZ SSEBWM LZ	(2 Blocks) SSE2BWM SSE2BWML SSE2BWMZ SSE2BWM LZ	9	36	31.1	29	12	M4	20.1	7	0.3	14	11	5.2	0.5	3.5x6x3.2	30	10
				12	40	38	33	12	M4	27	9	0.3	18	11	7.5	0.5	3.5x6x4.5	30	10
				14	51	44.3	44	15	M4	30.1	11	0.5	24	13.5	8	0.5	4.5x8x4.5	40	15
				16	74	55	65	20	M5	40	13	0.5	42	16	9.5	0.5	4.5x8x4.5	40	15
Blocks SWZMB	SSWWZMB																		

H	Basic Load Rating		Allowable Static Moment			Mass	
	C (Dynamic) kN	Co (Static) kN	MA N·m	MB N·m	MC N·m	Blocks kg	Guide Rails kg/m
9	1.4	2.2	7.8	7.8	15.5	0.035	0.50
12	2.3	3.7	13.7	16.3	30.4	0.06	0.96
14	3.5	5.3	20.6	22.3	52.1	0.11	1.40
16	5.8	8.5	40.2	43.6	148	0.2	2.95

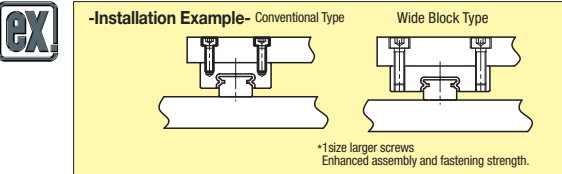
■Preload and Accuracy Standards



Radial Clearance (μm)	
Light Preload	-3~0
Interchangeable-Slight Clearance	0~15

Dimension Precision (μm)	High Grade	Standard Grade
Height H Tolerance	±20	±20
Height H Pair Variation	15	40
Width W ₂ Tolerance	±25	±25
Width W ₂ Pair Variation	20	40
Running Parallelism of surf. C against surf. A	Refer to P501	
Running Parallelism of surf. D against surf. B		

Standard Class (Interchangeable-Slight Clearance) meets the above values even after the block is replaced.



Order Example

Part Number - L
SEBWM12 - 200
SEBWM12L - 200 (L Type Greased)
SEBWM12G - 200 (G Type Greased)

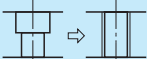
Alternative grease types available.
For Delivery, Price and Performance, refer to P507



Alterations



Part Number - L - (MC / RLC / LLC)
SE2BWM LZ - 450 - MC

Alterations	Code	Spec.															
Female Thread Holes 	MC	Changes the rail mounting hole from counterbored holes to tapped holes. ⊗ Express Service is not available. <table><tr><td>H</td><td>MC</td></tr><tr><td>9</td><td>M4</td></tr><tr><td>12</td><td></td></tr><tr><td>14</td><td>M5</td></tr><tr><td>16</td><td></td></tr></table>	H	MC	9	M4	12		14	M5	16						
H	MC																
9	M4																
12																	
14	M5																
16																	
Rail Ends Cut 	Left End Cut LLC Right End Cut RLC	Cuts rail ends. Ordering Code LLC <table><tr><td>H</td><td>L Cut</td><td>N</td></tr><tr><td>9</td><td></td><td>5</td></tr><tr><td>12</td><td>5</td><td></td></tr><tr><td>14</td><td></td><td>10</td></tr><tr><td>16</td><td></td><td></td></tr></table> Rail is cut with the product ID facing out (datum on other side). ⚠ Applicable to Selectable Type only. ⚠ Overall length will be shorter by cutting. ⊗ Not applicable to L dimension 70 or less.	H	L Cut	N	9		5	12	5		14		10	16		
H	L Cut	N															
9		5															
12	5																
14		10															
16																	