

Miniature Linear Guides - Wide Rails

Standard Blocks with Dowel Holes, Light Preload

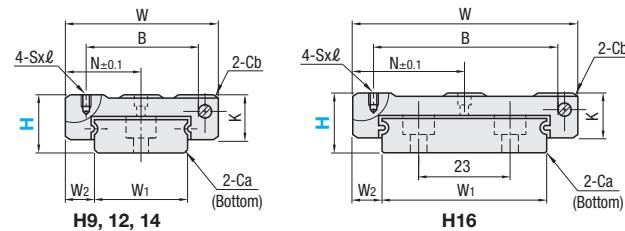
= For customers selecting MISUMI original specifications =
■ frame-surrounded products are compliant with the standard specifications (Stainless Steel, Light Preload, High Grade Type).
 Select the block from this spec.

Similar Products Comparison Points | MISUMI original specifications with dowel holes. Requires less time for assembly and has better repeatability.



Blocks and rails are not sold as separate items. This Type has guaranteed radial clearances and accuracies as sets of blocks and rails.

Heat Resistant Temperature: -20 ~ 80°C



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		L	Block Dimension						Dowel Hole Dimensions		Guide Rail Dimension									
Type	H		W	L1	B	C	SxL	L2	K	Cb	N	C2	(L1)	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G
■ Dimensions in () are for 2-Block Type.	9	50~290 (110)	25	31.1	18	12	M2.6x2.5	20.1	7	0.3	12.5	12	2.5	14	5.5	5.2	0.5	3.5x6x3.2	30	10
	12	50~290 (110)	30	38	21	12	M2.6x3	27	9	0.3	15	12	2.5	18	6	7.5	0.5	3.5x6x4.5	30	10
	14	70~470 (150)	40	44.3	28	15	M3x3.5	30.1	11	0.5	20	15	3.5	24	8	8	0.5	4.5x8x4.5	40	15
	16	70~670 (190)	60	55	45	20	M4x4.5	40	13	0.5	30	20	4	42	9	9.5	0.5	4.5x8x4.5	40	15

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
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

MA MB MC

■ Preload and Accuracy Standards

Specifications		Light Preload, High Grade
Radial Clearance	-3~0	
Height H Tolerance	±20	
Pair Variation of Height H	15	
Width W ₂ Tolerance	±25	
Pair Variation of Width W ₂	20	
Running Parallelism of Plane C against Plane A	See P 525	
Running Parallelism of Plane D against Plane A		

Unit: μm

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Specifications		Light Preload, High Grade
Radial Clearance	-3~0	
Height H Tolerance	±20	
Pair Variation of Height H	15	
Width W ₂ Tolerance	±25	
Pair Variation of Width W ₂	20	
Running Parallelism of Plane C against Plane A	See P 525	
Running Parallelism of Plane D against Plane A		

Unit: μm

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Part Number - L

SSEBWN12 - 200 (L Type Greased)
 SSEBWN12L - 200 (L Type Greased)
 SSEBWN12G - 200 (G Type Greased)

Alternative grease types available.

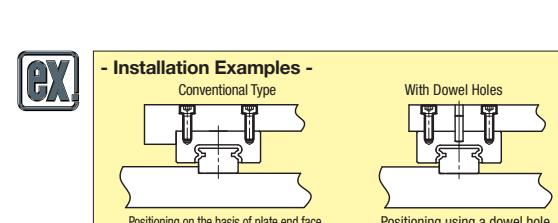
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H	L	Unit Price			
		Stainless Steel		Carbon Steel	
9	50	SSEBWN	-	SEBWN	-
9	80	SSEBWN	-	SEBWN	-
9	110	SSEBWN	-	SEBWN	-
9	140	SSEBWN	-	SEBWN	-
9	170	SSEBWN	-	SEBWN	-
9	200	SSEBWN	-	SEBWN	-
9	230	SSEBWN	-	SEBWN	-
9	260	SSEBWN	-	SEBWN	-
9	290	SSEBWN	-	SEBWN	-
12	50	SSEBWN	-	SEBWN	-
12	80	SSEBWN	-	SEBWN	-
12	110	SSEBWN	-	SEBWN	-
12	140	SSEBWN	-	SEBWN	-
12	170	SSEBWN	-	SEBWN	-
12	200	SSEBWN	-	SEBWN	-
12	230	SSEBWN	-	SEBWN	-
12	260	SSEBWN	-	SEBWN	-
12	290	SSEBWN	-	SEBWN	-
12	320	SSEBWN	-	SEBWN	-
12	350	SSEBWN	-	SEBWN	-
12	380	SSEBWN	-	SEBWN	-
12	410	SSEBWN	-	SEBWN	-
12	440	SSEBWN	-	SEBWN	-
12	470	SSEBWN	-	SEBWN	-
12	500	SSEBWN	-	SEBWN	-
12	530	SSEBWN	-	SEBWN	-
12	560	SSEBWN	-	SEBWN	-
14	70	SSEBWN	-	SEBWN	-
14	110	SSEBWN	-	SEBWN	-
14	150	SSEBWN	-	SEBWN	-
14	190	SSEBWN	-	SEBWN	-
14	230	SSEBWN	-	SEBWN	-
14	270	SSEBWN	-	SEBWN	-
14	310	SSEBWN	-	SEBWN	-
14	350	SSEBWN	-	SEBWN	-
14	390	SSEBWN	-	SEBWN	-
14	430	SSEBWN	-	SEBWN	-
14	470	SSEBWN	-	SEBWN	-
14	510	SSEBWN	-	SEBWN	-
14	550	SSEBWN	-	SEBWN	-
14	590	SSEBWN	-	SEBWN	-
14	630	SSEBWN	-	SEBWN	-
14	670	SSEBWN	-	SEBWN	-
16	70	SSEBWN	-	SEBWN	-
16	110	SSEBWN	-	SEBWN	-
16	150	SSEBWN	-	SEBWN	-
16	190	SSEBWN	-	SEBWN	-
16	230	SSEBWN	-	SEBWN	-
16	270	SSEBWN	-	SEBWN	-
16	310	SSEBWN	-	SEBWN	-
16	350	SSEBWN	-	SEBWN	-
16	390	SSEBWN	-	SEBWN	-
16	430	SSEBWN	-	SEBWN	-
16	470	SSEBWN	-	SEBWN	-
16	510	SSEBWN	-	SEBWN	-
16	550	SSEBWN	-	SEBWN	-
16	590	SSEBWN	-	SEBWN	-
16	630	SSEBWN	-	SEBWN	-
16	670	SSEBWN	-	SEBWN	-

■ L Dimension Configurable Type (1mm Increment)

H	Unit Price			
	Stainless Steel		Carbon Steel	
9	SSEBWN12	SSEBWN12L	SEBWN12	SEBWN12G
12	SSEBWN12	SSEBWN12L	SEBWN12	SEBWN12G
14	SSEBWN12	SSEBWN12L	SEBWN12	SEBWN12G
16	SSEBWN12	SSEBWN12L	SEBWN12	SEBWN12G

■ 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.



Positioning on the basis of plate end face
Positioning using a dowel hole

■ Installation Examples -