



Miniature Linear Guides

Short Blocks with Dowel Holes, Light Preload

Features: MISUMI original specifications with **dowel holes**. Requires less time for assembly and has better repeatability.

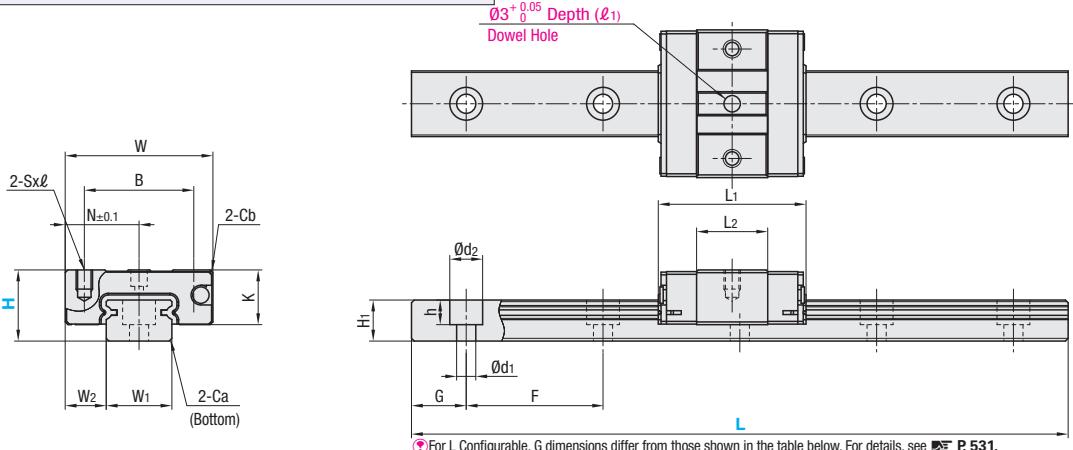
MISUMI Original



Material	Type	MX	L Dimension	Number of Blocks
Standard Materials	High Grade	SSEBSN	Selectable	1
Stainless Steel 56HRC~	Blank: None	SSE2BSN	2	
	-MX: Provided	SSEBSNL	1	
		SSE2BSNL	2	
Carbon Steel 58HRC~	SEBSN		1	
	SE2BSN		2	
	SEBSNL		1	
	SE2BSNL		2	

Heat Resistant Temperature: -20 ~ 80°C

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



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). The MX type is greased with a lithium complex grease (TOUGHIX GREASE MP2, made by JXTG Nippon Oil & Energy Corporation).

Minor bending of the rail will be adjusted after being mounted and will not affect the performance.

Accessory

H8 comes with cap screws (M2x6).

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.

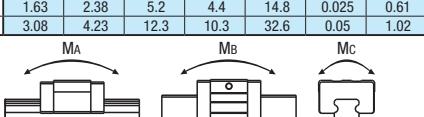
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Part Number

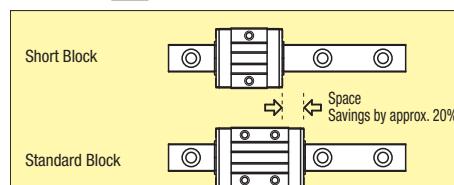
Type	MX	H	L	Block Dimension				Dowel Hole Dimensions		Guide Rail Dimension											
				W	L1	B	SxL	L2	K	Cb	N	(d1)	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G		
Dimensions in () are for 2-Block Type.			-	8	40~130 (55)	17	19.6	12	M2x2.5	9.6	6.5	0.3	8.5	2	7	5	4.7	0.3	2.4x4.2x2.3	15	5
Stainless Steel	Carbon Steel	SEBSN	Blank: None	10	35~275 (75)	20	22.9	15	M3x3	11.9	7.8	0.3	10	2.5	9	5.5	5.5	0.3	3.5x6x3.5	20	7.5
Standard Specifications	SE2BSN	SSE2BSN	-MX: Provided (for stainless steel only)	13	45~470 (95)	27	27	20	M3x3.5	13	10	0.5	13.5	3	12	7.5	7.5	0.5	3.5x6x4.5	25	10
	SEBSNL	SSE2BSNL		16	70~670 (110)	32	32.7	25	M3x4	17.7	12	0.5	16	4	15	8.5	9.5	0.5	3.5x6x4.5	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
8	0.79	1.27	1.9	1.6	4.6	0.008	0.19
10	1.16	1.68	3.1	2.6	7.9	0.015	0.31
13	1.63	2.38	5.2	4.4	14.8	0.025	0.61
16	3.08	4.23	12.3	10.3	32.6	0.05	1.02

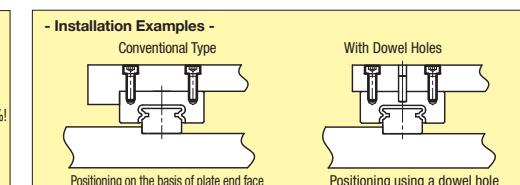


Example



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		



= 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.



Ordering Example

Part Number - L

SSE2BSN10 - 275
SSE2BSN-MX10 - 275 (With Lubrication Unit)
SSE2BSN10L - 175 (L Type Greased)
SSE2BSN10G - 175 (G Type Greased)

Alternative grease types available.
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H	L	Unit Price			
		Stainless Steel SSEBSN	Carbon Steel SSE2BSN	Stainless Steel SEBSN	Carbon Steel SE2BSN
8	40	-	-	-	-
8	55	-	-	-	-
8	70	-	-	-	-
8	85	-	-	-	-
8	100	-	-	-	-
8	115	-	-	-	-
8	130	-	-	-	-
8	155	-	-	-	-
8	175	-	-	-	-
8	195	-	-	-	-
8	215	-	-	-	-
8	235	-	-	-	-
8	255	-	-	-	-
8	275	-	-	-	-
8	45	-	-	-	-
8	70	-	-	-	-
8	95	-	-	-	-
8	120	-	-	-	-
8	145	-	-	-	-
8	170	-	-	-	-
8	195	-	-	-	-
8	220	-	-	-	-
8	245	-	-	-	-
8	270	-	-	-	-
8	295	-	-	-	-
8	320	-	-	-	-
8	345	-	-	-	-
8	370	-	-	-	-
8	395	-	-	-	-
8	420	-	-	-	-
8	445	-	-	-	-
8	470	-	-	-	-
8	70	-	-	-	-
8	110	-	-	-	-
8	150	-	-	-	-
8	190	-	-	-	-
8	230	-	-	-	-
8	270	-	-	-	-
8	310	-	-	-	-
8	350	-	-	-	-
8	390	-	-	-	-
8	430	-	-	-	-
8	470	-	-	-	-
8	510	-	-	-	-
8	550	-	-	-	-
8	590	-	-	-	-
8	630	-	-	-	-
8	670	-	-	-	-

L Dimension Configurable Type (1mm Increment)

H	Unit Price			
	Stainless Steel SSEBSN	Carbon Steel SSE2BSN	Stainless Steel SEBSN	Carbon Steel SE2BSN
8	-	-	-	-
10	-	-	-	-
13	-	-	-	-
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.

Lubrication Unit MX		The same block size as existing products!	
Return Cap		The oil-impregnated porous core part has been built into the product.	
Side Seal		● Advantages of the Lubrication Unit MX: Provides long-term maintenance-free operation. Reduces maintenance costs.	



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