



Miniature Linear Guides

Long Blocks with Dowel Holes, Light Preload

= For customers selecting MISUMI original specifications =
 MISUMI original specifications with dowel holes.
 Requires less time for assembly and has better repeatability.

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

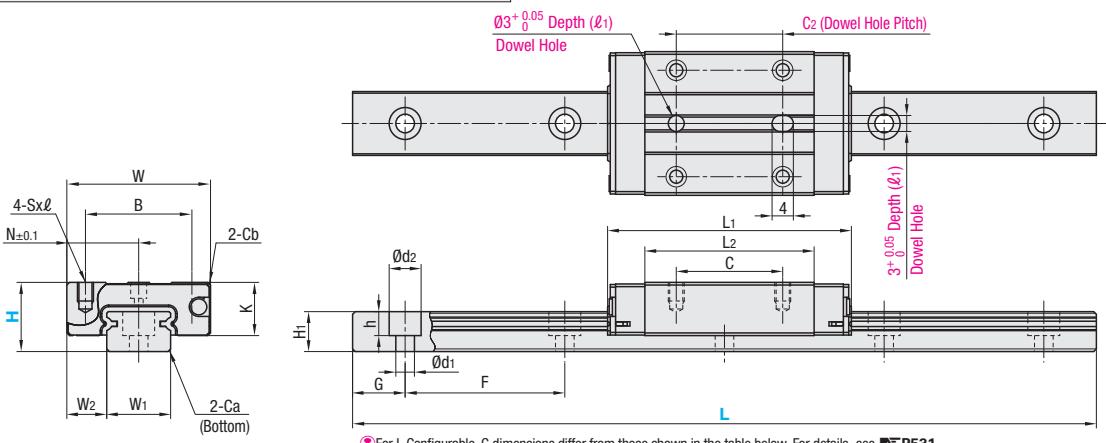
MISUMI Original



Standard Materials	M Material H Hardness	Type	MX (Lubrication Unit)	L Dimension	Number of Blocks
Stainless Steel 56HRC~	SSELBN SSEL2BN SSELBNL SSEL2BNL	Blank: None -MX: Provided		Selectable	1
				Selectable	2
				Configurable	1
				Configurable	2
Carbon Steel 58HRC~	SELBN SEL2BN SELBNL SEL2BNL			Selectable	1
				Selectable	2
				Configurable	1
				Configurable	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.



For L Configurable, G dimensions differ from those shown in the table below. For details, see P531.

Precautions for Use
 Blocks are equipped with retainers (wire) to prevent balls from falling off. For how to handle the blocks, see P525.

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 into the datum plane).

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 P527.

• For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

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

Dimensions in () are for 2-Block Type.

Stainless Steel Carbon Steel

Standard Specifications

SSELBN SELBN

SSEL2BN SEL2BN

SSELBNL SELBNL

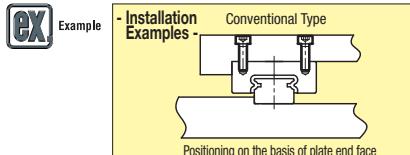
SSEL2BNL SEL2BNL

(for stainless steel only)

Type	MX	H	L	Block Dimension				Dowel Hole Dimensions				Guide Rail Dimension									
				W	L1	B	C	Sx ℓ	L2	K	Cb	N	C ℓ	(ℓ)	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G
Blank: None -MX: Provided		8	40-130 (100)	17	32	12	13	M2x2.5	22	6.5	0.3	8.5	13	2	7	5	4.7	0.3	2.4x2.2.3	15	5
			55-275 (115)	20	40	15	16	M3x3	29	7.8	0.3	10	16	2.5	9	5.5	5.5	0.3	3.5x6x3.5	20	7.5
			70-470 (120)	27	45.8	20	20	M3x3.5	31.8	10	0.5	13.5	20	3	12	7.5	7.5	0.5	3.5x6x4.5	25	10
			110-670 (150)	32	58.3	25	25	M3x4	43.3	12	0.5	16	25	4	15	8.5	9.5	0.5	3.5x6x4.5	40	15
			160-700 (220)	40	67.7	30	30	M4x6	52.3	15	0.5	20	30	4	20	10	11	0.5	6x9.5x5.5	60	20

kgf=Nx0.101972

H	Basic Load Rating		Allowable Static Moment		Mass		
	C (Dynamic) kN	Co (Static) kN	Ma Nm	Mb Nm	Mc Nm	Block kg	Guide Rail kg/m
8	1.6	2.4	7.5	7.5	9.0	0.016	0.19
10	2.2	3.7	12.3	12.3	13.0	0.03	0.31
13	3.5	5.3	24.5	26.4	32.3	0.06	0.61
16	5.8	8.7	57.8	62.6	67.6	0.10	1.02
20	7.2	13.5	80.7	80.7	138.2	0.18	1.65



Preload and Accuracy Standards

Specifications		Light Preload, High Grade
Radial Clearance		-3~0
Height H Tolerance		±20
Pair Variation of Height H		15
Width W2 Tolerance		±25
Pair Variation of Width W2		20
Running Parallelism of Plane C against Plane A		See P525
Running Parallelism of Plane D against Plane A		

Lubrication Unit MX

The same block size as existing products!

The oil-impregnated porous core part has been built into the product.

Advantages of the Lubrication Unit MX:
 Provides long-term maintenance-free operation.
 Reduces maintenance costs.

= For customers selecting MISUMI original specifications =
 MISUMI original specifications with dowel holes.
 Requires less time for assembly and has better repeatability.



Ordering Example

Part Number - L

SSELBN10 - 275

SSELBN-MX10 - 275 (With Lubrication Unit)

● SSELBN10L - 75 (L Type Greased)

● SSELBN10G - 75 (G Type Greased)

Alternative grease types available.

See P531

H	L	Unit Price			
		Stainless Steel		Carbon Steel	
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	295				
8	310				
8	350				
8	390				
8	430				
8	470				
8	510				
8	550				
8	590				
8	630				
8	670				
8	700				
10	400				
10	460				
10	520				
10	580				
10	640				
10	700				
13	400				
13	460				
13	520				
13	580				
13	640				
13	700				
16	400				
16	460				
16	520				
16	580				
16	640				
16	700				
20	400				
20	460				
20	520				
20	580				
20	640				
20	700				

For calculation of L Dimension Configurable Type (1mm Increment),