

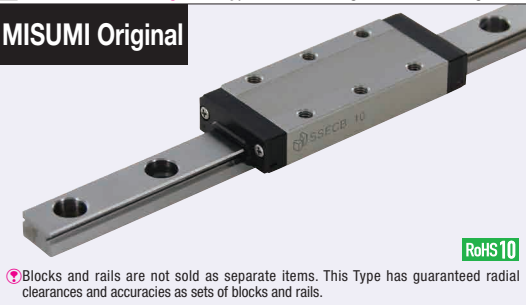


Miniature Linear Guides

Extra Long Blocks, Light Preload / Slight Clearance

■ **Features:** Extra Long Block Type of MISUMI original standards. Higher load ratings and allowable moments than Long Block Type.

MISUMI Original

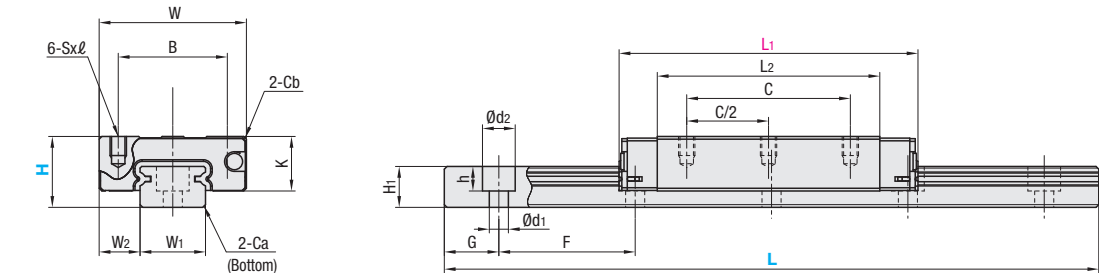


Material Hardness	Type		MX (Lubrication Unit)	L Dimension
	Light Preload High Grade	Slight Clearance Standard Grade		
Stainless Steel 56HRC~	SSECB	SSECBZ	Blank: None -MX: Provided	Selectable
	SSECBL	SSECB LZ		Configurable

Heat Resistant Temperature: -20 ~ 80°C

RoHS 10

❖ 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 P.531.

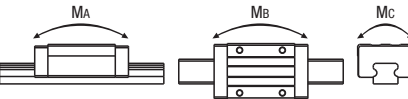
- **Precautions for Use**

 - ❖ 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.
- **Accessory**

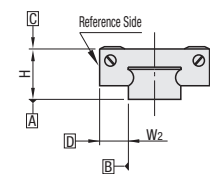
 - H8 comes with cap screws (M2x6).
 - **Others**
 - Filled with Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.).
 - For Operating Life Calculation, see P.527
 - For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.
 - The MX type is greased with a lithium complex grease (TOUGHLIX GREASE MP2, made by JXTG Nippon Oil & Energy Corporation).

Part Number		H	L	Block Dimension				Dowel Hole Dimension				Guide Rail Dimension									
Type	MX			W	L ₁	B	C	Sxℓ	L ₂	K	Cb	N	C ₂	(ℓ ₁)	W ₁	W ₂	H ₁	Ca	Counterbored Hole d1xd2xh	F	G
SSECB SSECBZ SSECBL SSECB LZ	Blank: None -MX: Provided	8	40~130	17	37.5	12	20	M2x2.5	27.5	6.5	0.3	8.5	20	2	7	5	4.7	0.3	2.4x4.2x2.3	15	5
		10	55~275	20	49.6	15	26	M3x3	38.6	7.8	0.3	10	26	2.5	9	5.5	5.5	0.3	3.5x6x3.5	20	7.5
		13	70~470	27	54.8	20	30	M3x3.5	40.8	10	0.5	13.5	30	3	12	7.5	7.5	0.5	3.5x6x4.5	25	10
		16	110~670	32	70.3	25	40	M3x4	55.3	12	0.5	16	40	4	15	8.5	9.5	0.5	3.5x6x4.5	40	15

H	Basic Load Rating/Allowable Static Moment					Mass	
	C (Dynamic) kN	Co (Static) kN	MA N·m	MB N·m	MC N·m	Block kg	Guide Rail kg/m
8	1.5	3.3	10.1	10.1	12.4	0.02	0.19
10	2.5	5.0	18.8	18.8	23.7	0.04	0.31
13	3.6	7.6	34.0	34.0	47.3	0.07	0.61
16	6.9	13.5	80.7	80.7	104.3	0.12	1.02



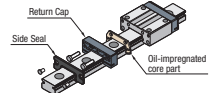
Preload and Accuracy Standards



Specifications	Light Preload, High Grade	Slight Clearance, Standard Grade
Radial Clearance	-3~0	0~+15
Height H Tolerance	±20	±20
Pair Variation of Height H	15	40
Width W ₂ Tolerance	±25	±25
Pair Variation of Width W ₂	20	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.

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.

Table of Comparison with Standard Blocks

- Shorter block length than Standard Type 2-Block.
- Basic load rating C (dynamic) is enhanced up to 192% compared to 1 Block Type. H dimension can be reduced by using a long block.
- Basic load rating C (static) is equivalent or higher compared to 1 Block/2 Block Type. 2 Block type can make guide block length more compact.

H	Block O.A.L. (L1)				Basic Load Rating C (Dynamic) kN				Basic Load Rating Co (Dynamic) kN			
	Standard 1 Block		Standard 2 Block		Standard 1 Block		Standard 2 Block		Standard 1 Block		Standard 2 Block	
	Standard 1 Block	Standard 2 Block	Standard 1 Block	Standard 2 Block	Standard 1 Block	Standard 2 Block	Standard 1 Block	Standard 2 Block	Standard 1 Block	Standard 2 Block	Standard 1 Block	Standard 2 Block
8	23.6	47.2	37.5	+13.9	0.9	1.8	1.5	167%	1.5	3	3.3	220%
10	30	60	49.6	+19.6	1.5	3	2.5	167%	2.5	5	5	200%
13	33.9	67.8	54.8	+20.9	2.2	4.4	3.6	164%	3.3	6.6	7.6	230%
16	42.4	84.8	70.3	+27.9	3.6	7.2	6.9	192%	5.4	10.8	13.5	250%

H	Selectable L	Unit Price	
		SSECB	SSECBZ
8	40		
	55		
	70		
	85		
	100		
	115		
10	130		
	55		
	75		
	95		
	115		
	135		
	155		
	175		
	195		
	215		
13	235		
	255		
	275		
	70		
	95		
	120		
	145		
	170		
	195		
	220		
	245		
	270		
	295		
	320		
16	345		
	370		
	395		
	420		
	445		
	470		
	110		
	150		
	190		
	230		
16	270		
	310		
	350		
	390		
	430		
	470		
	510		
16	550		
	590		
	630		
	670		

L Dimension Configurable Type (1mm Increment)

H	Unit Price	
	SSECBL	SSECB LZ
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.



Ordering Example
Part Number - L
SSECB10 - 275 (With Lubrication Unit)
SSECB-MX10 - 275 (L Type Greased)
SSECB10L - 75 (L Type Greased)
SSECB10G - 75 (G Type Greased)
Alternative grease types available
P.531



Alterations
Part Number - L - (MC, RLC, LLC)
SSECB16 - 430 - MC - RLC

Alterations	Code	Spec.
Tapped Hole	MC	Changes the rail mounting holes from counterbored holes to tapped holes. H MC 8 M3 10 M4 13 M4 16 M5
Rail End Cut	Left End Cut LLC	Cuts rail ends. Ordering Code LLC H L Cut N 10 2.5 5 13 5 5 16 10 5
	Right End Cut RLC	❖ Applicable to Selectable Type only. ❖ Overall length will be shorter by cutting. ❖ Not applicable to H8.

Options for Linear Guide

Position Retaining Parts	Block / Rail Fixing Parts
	■ Rail Push Plates
Rail Height Adjusting Blocks 	■ Linear Locks
Block Derailment Prevention Parts 	■ Linear Guide Lock Units
Stopper Bolts 	