NEW
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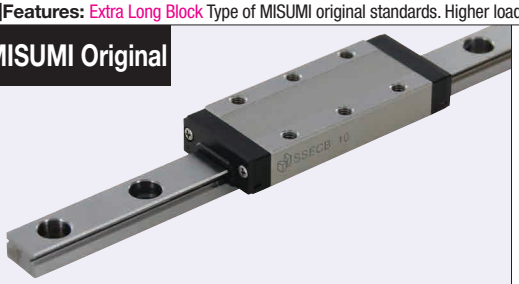
Miniature Linear Guides

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.

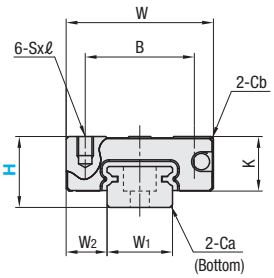
MISUMI Original

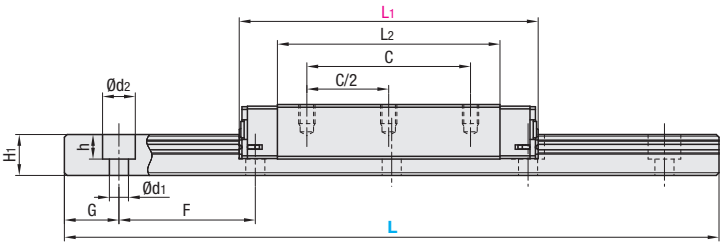


Blocks and rails are not sold as separate items. This Type has guaranteed radial clearances and accuracies as sets of blocks and rails.

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

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.

Accessory

- H8 comes with cap screws (M2x6).

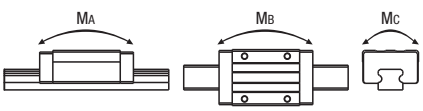
Others

- 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).

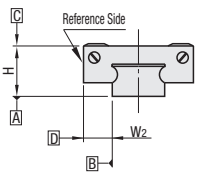
Part Number: Type	MX	H	L	W	L1	B	C	Sxℓ	L2	K	Cb	N	C2	(ℓ1)	W1	W2	H1	Ca	Counterbored Hole d1xd2xh	F	G
SSECB SSECBZ SSECBL SSECBLZ	-	8	40~130	17	37.5	12	20	M2x2.5	27.5	6.5	0.3	8.5	20	2	7	5	4.7	0.3	2.4x4.2x2.3	15	5
	Blank: None -MX: Provided	10	55~275	20	49.6	15	26	M3x3	38.6	7.8	0.3	10	26	2.5	9	5.5	5.5	0.3	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

kgf=Nx0.101972

H	Basic Load Rating C (Dynamic) kN	Basic Load Rating Co (Static) kN	Allowable Static Moment MA N·m	MB N·m	MC N·m	Mass Block kg	Mass 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

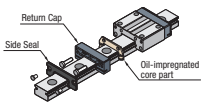


Unit: µm

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 W2 Tolerance	±25	±25
Pair Variation of Width W2	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): Standard 1 Block	Standard 2 Block	Extra Long 1 Block	Compared to Standard 1 Block	Compared to Standard 2 Block	Basic Load Rating C (Dynamic) kN: Standard 1 Block	Standard 2 Block	Extra Long 1 Block	Compared to Standard 1 Block	Compared to Standard 2 Block	Basic Load Rating Co (Dynamic) kN: Standard 1 Block	Standard 2 Block	Extra Long 1 Block	Compared to Standard 1 Block	Compared to Standard 2 Block
8	23.6	47.2	37.5	+13.9	-9.7	0.9	1.8	1.5	167%	83%	1.5	3	3.3	220%	110%
10	30	60	49.6	+19.6	-10.4	1.5	3	2.5	167%	83%	2.5	5	5	200%	100%
13	33.9	67.8	54.8	+20.9	-13	2.2	4.4	3.6	164%	82%	3.3	6.6	7.6	230%	115%
16	42.4	84.8	70.3	+27.9	-14.5	3.6	7.2	6.9	192%	96%	5.4	10.8	13.5	250%	125%