Miniature Linear Guides

Standard Blocks, Light Preload / Slight Clearance

Linear Guide
Linear Guide: General Information Site

MISUMI Linear Guides

MISUMI Linear Guides (Lg. Qty.)



The most basic type among all the industry standard specifications. Select from Light Preload Types with superior precision and rigidity.

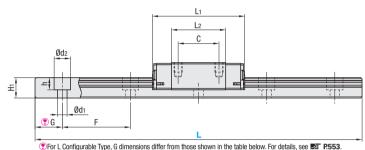


	1	Type			Number		
MMaterial ☐Hardness	Light F	Preload	Slight Clearance	MX (Lubrication Unit)	Dimonoion	- 4	
<u>u</u> naruness	High Grade	Precision Grade	Standard Grade	(Lubrication Only	Dillielision		
	SSEB	SSEBV	SSEBZ		Selectable	1	
56HRC~	SSE2B	SSE2BV	SSE2BZ	Blank: None		2	
	SSEBL	SSEBLV	SSEBLZ	-MX: Provided	Configurable	1	
	SSF2BI	SSF2BLV	SSF2BL7	1	•	2	

Heat Resistant Temperature: -20 ~ 80°C ● For L Dimension Configurable Type, any L dim. on the TH6 has no standard grade / precision grade.

Price List is not available. SSEBL8-56 (Configurable): ○
SSEBL8-55 (Configurable): × ····Place order for

SSEB8-55 (Selectable)



Precautions for use

Blocks are equipped with retainers (wire) to prevent balls from derailing.
For how to handle the blocks, see F547.
Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from

the original set combinations.

(Rottom)

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 securing 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 secured and will not affect the performance.

■Accessory
- H6 comes with Number 0, Class 1 Phillips button head screws (M2x6).
- H8 comes with cap screws (M2x6).

Filled with Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.).
 For Operating Life Calculation, see F549.

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

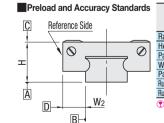
The MX type is greased with a lithium complex grease (TOUGHLIX GREASE MP2, made by JXTG Nippon Oil & Energy Corporation).

Part Number					Block Dimension						Guide Rail Dimension									
	Туре		MX	Н	L	w	L1	В	С	Sxl	L2	K	Cb	W 1	W ₂	H ₁	Ca	Counterbored Hole d1xd2xh	F	G •
SSEB SSEBV SSEBZ SSE2B SSE2BV SSE2BZ SSEBL SSEBLV SSEBLZ SSE2BL SSE2BLV SSE2BLZ	- 8	6	25~100 (70)	12	17.4	8		M2x1.5	9.7	4.5	0.3	5	3.5	4	0.3	2.4x3.5x1	15	5		
		8	40~265 (70)	17	23.6	12	8	M2x2.5	13.6	6.5	0.3	7	5	4.7	0.3	2.4x4.2x2.3	15	5		
	Blank: None -MX: Provided	10	35~355 (75)	20	30	15	10	М3х3	19	7.8	0.3	9	5.5	5.5	0.3	3.5x6x3.5	20	7.5		
		13	45~720 (95)	27	33.9	20	15	M3x3.5	19.9	10	0.5	12	7.5	7.5	0.5	3.5x6x4.5	25	10		
		16	70~670 (110)	32	42.4	25	20	M3x4	27.4	12	0.5	15	8.5	9.5	0.5	3.5x6x4.5	40	15		
① Dimensions in () are for 2-Block Type.		100~700 (160)	40	50	30	25	M4x6	34.6	15	0.5	20	10	11	0.5	6x9.5x5.5	60	20			

(*) Both ends of the rail are evenly cut for L Dimension Configurable Type. G dim., resulting from this cutting process will become other than indicated on the above table. For details about how to calculate the applicable G dim., see **EX P.553**.

8 H8 145 to 265, H10 295 to 355 and H13 495 to 720 are applicable to High Grade Type only. See the price list on the right page.

kgf=Nx0.101972								
	Basic Lo	ad Rating	Allowab	le Static	Ma	Mass		
Н	C (Dynamic) kN	Co (Static) kN	M _A N·m	M _B N∙m	Mc N∙m	Block kg	Guide Rail kg/m	
6	0.3	0.6	0.8	0.8	1.5	0.004	0.13	
8	0.9	1.5	4.1	4.1	5.2	0.01	0.19	
10	1.5	2.5	5.1	5.1	10.2	0.02	0.31	
13	2.2	3.3	8.8	9.5	16.1	0.04	0.61	
16	3.6	5.4	21.6	23.4	39.6	0.06	1.02	
20	5.2	8.5	48.4	48.4	86.4	0.12	1.65	
	MA	1			Мв		Mc	



			Unit : µm		
Specifications	Light Preload, High Grade	Light Preload, Precision Grade	Slight Clearance, Standard Grade		
Radial Clearance	-3	~0	0~+15		
Height H Tolerance	±20	±10	±20		
Pair Variation of Height H	15	7	40		
Width W ₂ Tolerance	±25	±15	±25		
Pair Variation of Width W2	20	10	40		
Running Parallelism of Plane C against Plane A Running Parallelism of Plane D against Plane B	See P.547 .				

Slight Clearance Type has clearance (Gap) between rails and blocks. If precision / rigidity is required, select Light Preload Type.



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.

**Unit price for Precision Grade Type is the following price x1.2.

Onit	price toi	rice for Precision Grade Type is the following price x1.2. Unit Price									
н	L	High	Grade	Standar	d Grade						
		SSEB	SSE2B	SSEBZ	SSE2BZ	_					
	25		-	-	-						
	40 55		-	-	-						
6	70		-	-	-	-					
	85			-	-						
	100			-	-	_					
	40 55		-		-						
	70		-		-						
	85					-					
	100										
	115 130										
	145			-	-	-					
8	160			-	-						
	175			-	-	- 19					
	190 205			-							
	220			-	-						
	235			-	-	_					
	250 265			-	-						
	35		-	-	-						
	55		-		-	_					
	75										
	95 115										
	135					=					
	155										
40	175					_					
10	195 215										
	235										
	255					_					
	275			_							
	295 315			-	-						
	335			-	-	· L					
	355			-	-						
	45		-		-						
	70 95		-		-	- 1					
	120										
	145										
	170 195										
	220										
	245					_ 6					
	270										
	295 320					Rail					
	345					_					
13	370										
	395					- 1					
	420 445					_ ε					
	470					±15µm					
	495			-	-	+1					
	520			-	-	- 1					
	545 570			-	-						
	595			-	-						
	620			-	-						
	645 670			-	-						
	695			-	-	_					
	720			-	-						
	70		-		-	A					
	110 150										
	190					_					
	230					_					
	270 310					1					
	350					1					
16	390					1					
	430					2					
	470 510					- ₹1					
	550					- (
	590					- A					
	630					_ 10					
	670 100		-		-						
	160				_	■ S					
	220					S					
	280					н					
20	340 400										
20	460					6					
	520					8					
	580					10					
	640 700					10					
					1						



ıg	Part Number	-	L]
le	SSEB10	-	275	
	SSEB-MX10	-	275	(With Lubrication Unit)
	●RSEB10	-	75	(Low Temperature Black Chrome Plating)
	SSEB10L	-	75	(L Type Greased)
	SSEB10G	-	75	(G Type Greased)

Low Temperature Black Chrome Plating and various Grease types available as alternative. For Days to Ship, Price and Performance PST P.553, 554



Alterations	Code	Spec.
Tapped Hole	МС	
Rail End Cut RLC RLC RLC RILC Rail is cut with the product I facing out (datum on other side).	Left End Cut LLC Right End Cut RLC	Cuts rail ends. Codering Code LLC
Parallel Use of 2 Rails	wc	Pair variation of Height H between 2 rails is set within 15µm. Rails are shipped in pair. (Specify the actual rail quantity (even number) to order, not "pairs". ("Applicable to High Grade Type only. ("The relevant surcharge will be added as an alteration fee for a rail. (SNot applicable to low temperature chrome plated products. (SNot applicable when H dim. 8 ≥ 145, H dim. 10 ≥ 295 or H dim. 13 ≥ 495.
3-Block Specifications (4-Block Specifications)	B3 B4	Add 2 (or 3) blocks to 1-block product to ship as 3-block (4-block) separate item. There are restrictions for the L dimension length. See "Selectable Shortest Rall Length" for details. Selection Example: SSEB10-215-B3 (B4)

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

*H6-B3 (3 blocks) is applicable to High Grade Type only **Unit price for Precision Grade Type is the above price x1.2.

(Same Price for High/Standard Grade)

B3: /1Code

Standard Standard MX Standard Standard MX

ielectable Shortest tail Length for B3/B4							
ı	B3 (3 blocks)	B4 (4 blocks)					
	85	-					
	85	115					
)	115	155					
3	145	170					
6	190	230					
)	220	280					