

Miniature Linear Guides - Heat Resistant

Short / Standard / Long Blocks, Light Preload

■ **Features:** Usable at up to 150°C of operating temperature since heat resistant parts and grease are employed.

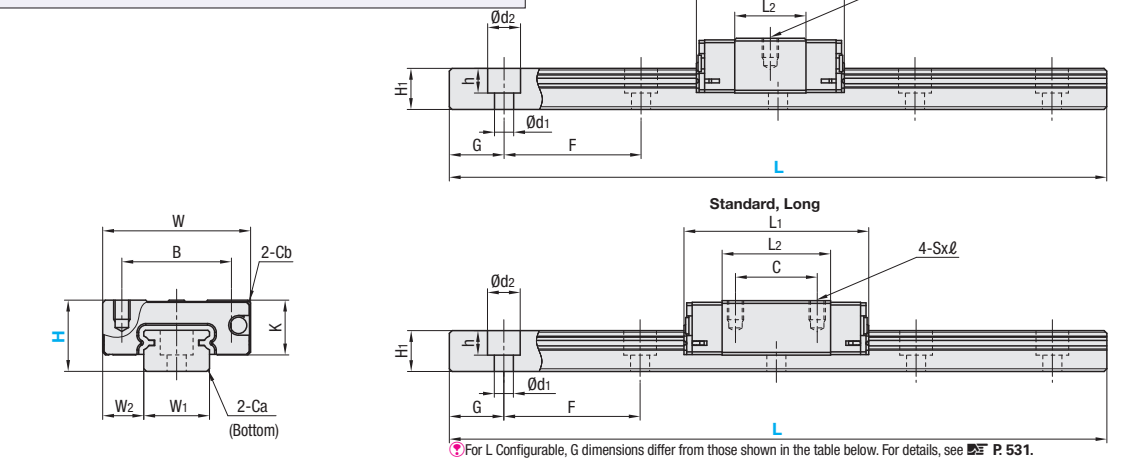
Industry Standard



 Material Hardness	Type			L Dimension	Number of Blocks
	Light Preload				
	High Grade				
	Short	Standard	Long		
Stainless Steel 56HRC~	SSEBST	SSEBT	SSELBT	Selectable	1
	SSE2BST	SSE2BT	SSEL2BT		2
	SSEBSLT	SSEBLT	SSELBLT	Configurable	1
	SSE2BSLT	SSE2BLT	SSEL2BLT		2

Heat Resistant Temperature: -20 ~ 150°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.



- **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**

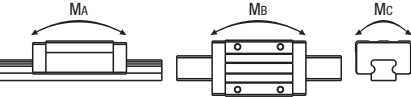
 - H8 comes with cap screws (M2x6).

■ **Others**

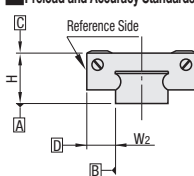
 - Filled with heat resistant grease (Du Pont KRYTOX GPL225).
 - Stainless steel and fluoro-rubber are used for return caps and seals respectively.
 - For operating life calculation, see **P. 527**.
 - For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

Part Number		H	L	Block Type	Block Dimension							Guide Rail Dimension							
Type	W				L1	B	C	S×ℓ	L2	K	Cb	H1	W1	W2	Ca	Counterbored Hole d1xd2xh	F	G	
Short (1 block) SSEBST SSEBSLT	(2 blocks) SSE2BST SSE2BSLT	8	40~130 (70)	Short	17	19.6	-	-	M2x2.5	9.6	6.5	0.3	4.7	7	5	0.3	2.4x4.2x2.3	15	5
				Standard	23.6	8	-	13.6											
	10	35~275 (95)	Short	20	22.9	-	-	M3x3	11.9	7.8	0.3	5.5	9	5.5	0.3	3.5x6x3.5	20	7.5	
		Standard	30		10	19													
Standard (1 block) SSEBT SSEBLT	(2 blocks) SSE2BT SSE2BLT	13	45~470 (120)	Short	27	27	-	-	M3x3.5	13	10	0.5	7.5	12	7.5	0.5	3.5x6x4.5	25	10
				Standard		33.9	15	19.9											
	16	70~470 (120)	Long	45.8	20	31.8	12	0.5	9.5	15	8.5	0.5	3.5x6x4.5	40	15				
		70~670 (150)	Short	32.7	-	-										17.7			
Long (1 block) SSELBT SSELBLT	(2 blocks) SSEL2BT SSEL2BLT	16	110~670 (150)	Standard	32	42.4	20	-	M3x4	27.4	12	0.5	9.5	15	8.5	0.5	3.5x6x4.5	40	15
				Long	58.3	25	43.3												

H	Block Type	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	Short	0.79	1.27	1.9	1.6	4.6	0.008	0.19
	Standard	0.9	1.5	4.1	4.1	5.2	0.01	
	Long	1.6	2.4	7.5	7.5	9	0.02	
10	Short	1.16	1.68	3.1	2.6	7.9	0.015	0.31
	Standard	1.5	2.5	5.1	5.1	10.2	0.02	
	Long	2.2	3.7	12.3	12.3	13	0.03	
13	Short	1.63	2.38	5.2	4.4	14.8	0.025	0.61
	Standard	2.2	3.3	8.8	9.5	16.1	0.04	
	Long	3.5	5.3	24.5	26.4	32.3	0.06	
16	Short	3.08	4.23	12.3	10.3	32.6	0.05	1.02
	Standard	3.6	5.4	21.6	23.4	39.6	0.06	
	Long	5.8	8.7	57.8	62.6	67.6	0.1	



■ **Preload and Accuracy Standards**



Specifications		Unit: μm
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 P. 525
Running Parallelism of Plane D against Plane A		See P. 525

H	L	Unit Price					
		Short		Standard		Long	
		SSEBST	SSE2BST	SSEBT	SSE2BT	SSELBT	SSEL2BT
8	40		-		-		-
	55		-		-		-
	70						
	85						
	100						
	115						
	130						
10	35		-		-	-	-
	55		-		-	-	-
	75		-		-		-
	95						
	115						
	135						
	155						
	175						
	195						
	215						
	235						
	255						
	275						
13	45		-		-	-	-
	70		-		-		-
	95		-		-		-
	120						
	145						
	170						
	195						
	220						
	245						
	270						
	295						
	320						
	345						
	370						
	395						
16	420						
	445						
	470						
	70		-		-	-	-
	110		-		-		-
	150						
	190						
	230						
	270						
	310						
	350						
	390						
	430						
470							
510							
550							
590							
630							
670							

L Dimension Configurable Type (1mm Increment)						
H	Unit Price					
	Short	Standard	Long	Short	Standard	Long
8	SSEBSLT	SSE2BSLT	SSEBLT	SSE2BLT	SSELBLT	SSEL2BLT
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
SSEBT10 - 195

Alterations
Part Number - L - (MC, RLC, LLC, B3, B4)
SSEBT16 - 450 - MC

Alterations	Code	Spec.
Tapped Hole	MC	Changes the rail mounting holes from counterbored holes to tapped holes. H MC 8 M3 10 M4 13 M5 16 M5
Rail End Cut	LLC	Cuts rail ends. Ordering Code LLC H L Cut N 10 2.5 5 13 5 5 16 10 5
3-Block Specifications	B3	Add 2 blocks to 1-block product to ship as 3-block separate item. There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSEBST10-95-B3
4-Block Specifications	B4	Add 3 blocks to 1-block product to ship as 4-block separate item. There are restrictions for the L dimension length. See "Selectable Shortest Rail Length" for details. Selection Example: SSELBT16-550-B4

Additional Block Price				Selectable Shortest Rail Length for B3/B4			
H	Block	B3: Price Adder	B4: Price Adder	H	Block	B3 (3-block)	B4 (4-block)
8	Short			8	Short	85	100
	Standard				Standard	85	115
	Long				Long	-	-
10	Short			10	Short	95	115
	Standard				Standard	115	155
	Long				Long	155	195
13	Short			13	Short	120	145
	Standard				Standard	145	170
	Long				Long	170	220
16	Short			16	Short	150	190
	Standard				Standard	190	230
	Long				Long	230	270

Options for Linear Guide

Position Retaining Parts

Rail Height Adjusting Blocks

Block Derailment Prevention Parts

Stopper Bolts

Block / Rail Fixing Parts

Rail Push Plates

Linear Lock

Linear Guide Lock Units