

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

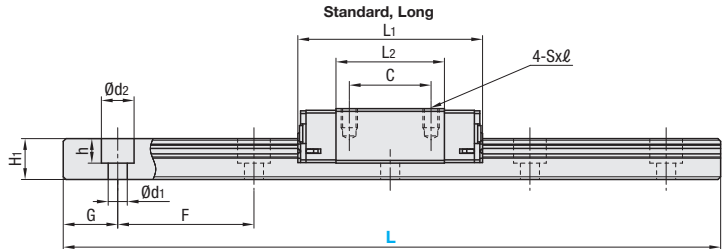
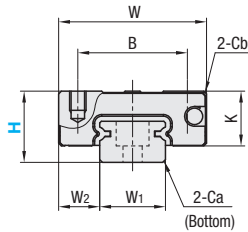
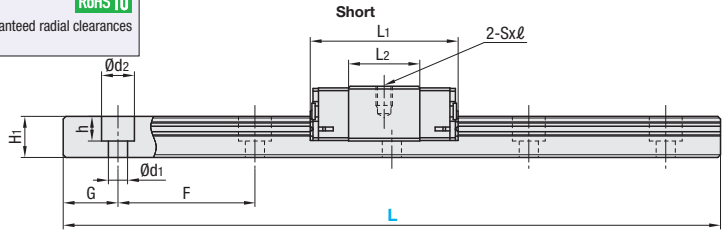


Material Hardness	Type			L Dimension	Number of Blocks
	Light Preload				
	Short	Standard	Long		
Stainless Steel 56HRC~	SSEBST	SSEBT	SSELBT	Selectable	1
	SSE2BST	SSE2BT	SSEL2BT		2
	SSEBSLT	SSEBLT	SSELBLT	Configurable	1
	SSE2BSLT	SSE2BLT	SSEL2BLT		2

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.



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

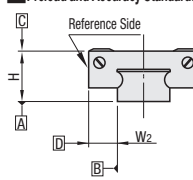
- Filled with heat resistant grease (Du Pont KRYTOX GPL225).
- Stainless steel and fluoro-rubber are used for return caps and seals respectively.
- For operating life calculation, see P. 527.
- For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

Part Number	Type	H	L	Block Type	Block Dimension					Guide Rail Dimension											
					W	L ₁	B	C	Sxℓ	L ₂	K	Cb	H ₁	W ₁	W ₂	Ca	Counterbored Hole d ₁ x ₁ d ₂ x _h	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	12	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	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	20	15	19.9											
16		70~470 (120)	Short		32	32.7	-	-	M3x4	17.7	12	0.5	9.5	15	8.5	0.5	3.5x6x4.5	40	15		
			Standard		42.4	25	20	27.4													
Long (1 block) SSELBT SSELBLT	(2 blocks) SSEL2BT SSEL2BLT	16	110~670 (150)	Short	32	32.7	-	-	M3x4	17.7	12	0.5	9.5	15	8.5	0.5	3.5x6x4.5	40	15		
				Standard	42.4	25	20	27.4													
16	110~670 (150)	Long	32	58.3	25	25	M3x4	43.3													

Kgf=N×0.101972

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	Light Preload, High Grade
Radial Clearance	-3~0
Height H Tolerance	±20
Pair Variation of Height H	15
Width W ₂ Tolerance	±25
Pair Variation of Width W ₂	20
Running Parallelism of Plane C against Plane A	See P. 525
Running Parallelism of Plane D against Plane A	See P. 525

