

Linear Guides for Heavy Load

With Plastic Retainers, Interchangeable, Light Preload

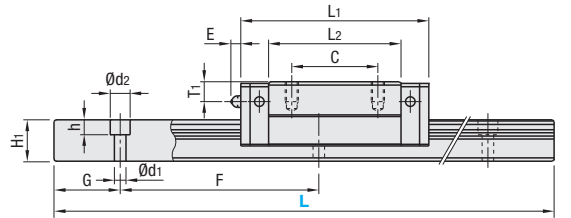
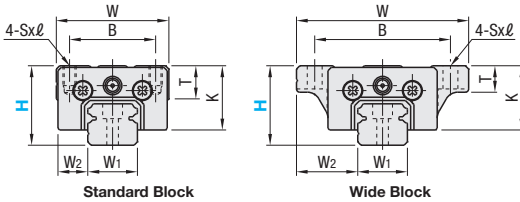
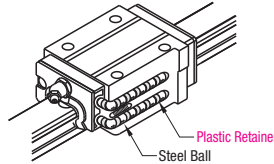
Features: Linear Guides with Plastic Retainers prevent contact between balls and result in low noise levels under high-speed operation.

Industry Standard



	Type		Block	Rail	L Dimension	Material Hardness
	1 block	2 blocks				
Standard	SXRZ	SX2RZ	SXRZ	SRZL	Selectable	Carbon Steel 58HRC~
	SXRLZ	SX2RLZ		SRZLF	Configurable	
Wide Block Through Hole	SXWZ	SX2WZ	SXWB	SRZL	Selectable	
	SXWLZ	SX2WLZ		SRZLF	Configurable	
Wide Block Tapped Hole	SXWTZ	SX2WTZ	SXWTB	SRZL	Selectable	
	SXWTLZ	SX2WTLZ		SRZLF	Configurable	

Heat Resistant Temperature: 0 ~ 50°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 to prevent balls from falling off. For how to handle the blocks, see P.525.
- For Interchangeable, Light Preload Type, rails and blocks can be interchanged.
- 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.

Others

- Filled with Lithium soap based grease (Alvania Grease S2 by Showa Shell Sekiyu K.K.).
- Grease Fittings: Straight Type for H24 and Angled Type for H28, H33 and H42.
- Grease Fitting is screw-in type, and thus, can be repositioned.
- 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	Block Dimension										Guide Rail Dimension							
	Type			L										Grease Fitting							
	1 block	2 blocks		W	L ₁	B	C	Sxℓ	L ₂	K	T	Mounting Hole			H ₁	W ₁	W ₂	Counterbored Hole d1xd2xzh	F	G	
Standard Block (Block) SXRZ (Rail) SXRLZ	SXRZ	SX2RZ	24	100-1480 (160)	34	56.8	26	26	M4x6	40	19.4	10	Ø3	3	6	12.5	15	9.5	3.5x6x4.5	60	20
			28	160-1960 (220)	42	65.2	32	32	M5x7	48	22	12	M6xP0.75	11	5.5	15.5	20	11	6x9.5x8.5	60	20
	SXRB	SRZL	33	160-1960 (220)	48	81.6	35	35	M6x9	60	26	12	M6xP0.75	11	7	18	23	12.5	7x11x9	60	20
			42	200-1960 (280)	60	96.4	40	40	M8x12	71	33	13	M6xP0.75	11	8	23	28	16	7x11x9	80	20
Wide Block (Block) SXWZ (Rail) SXWLZ	SXWZ	SX2WZ	24	100-1480 (160)	52	56.8	41	26	4.5 (M5)	40	19.4	8	Ø3	3	6	12.5	15	18.5	3.5x6x4.5	60	20
			28	160-1960 (220)	59	65.2	49	32	5.5 (M6)	48	22	10	M6xP0.75	11	5.5	15.5	20	19.5	6x9.5x8.5	60	20
	SXWB	SRZL	33	160-1960 (220)	73	81.6	60	35	7 (M8)	60	26	11	M6xP0.75	11	7	18	23	25	7x11x9	60	20
			42	200-1960 (280)	90	96.4	72	40	9 (M10)	71	33	11	M6xP0.75	11	8	23	28	31	7x11x9	80	20

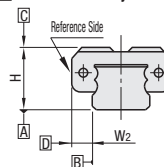
L Dimension: Dimensions in () are for 2-Block Type.
Sxℓ Dimensions: Dimensions in () are for Wide Block Tapped Hole.

kgf=Nx0.101972

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	
	Standard	Wide							
24	7.9	15.6	74	62	78	0.2	0.26	1.4	
28	11.1	21.8	124	104	149	0.28	0.35	2.3	
33	17.9	33.5	242	203	266	0.51	0.66	3.1	
42	27.3	50.5	415	350	480	0.85	1.20	4.8	



Preload and Accuracy Standards



Interchangeable, Light Preload Type

Radial Clearance (µm)	
H24, 28	-4-0
H33, 42	-5-0

Dimensional Accuracy (µm)	
Height H Tolerance	±20
Pair Variation of Height H	15
Width W ₂ Tolerance	±30
Pair Variation of Width W ₂	25
Running Parallelism of Plane C against Plane A	See
Running Parallelism of Plane D against Plane B	P.525