

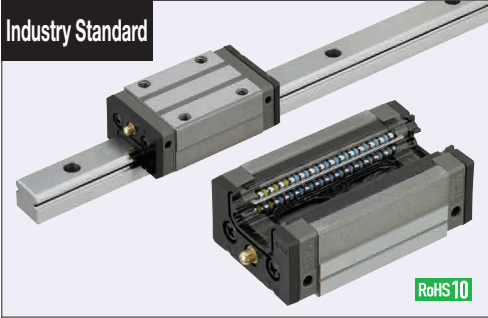
Linear Guides for Heavy Load

With Plastic Retainers, Interchangeable, Light Preload

= For customers using industry standard products =
Frame-surrounded products are compliant with the industry standard specifications (Standard Block Type).
 Select the block from this spec.

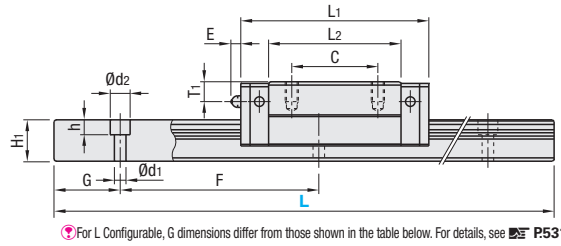
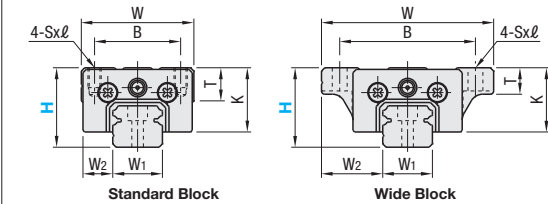
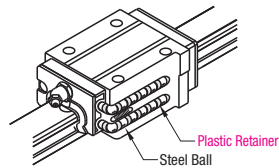
Features: Linear Guides with Plastic Retainers prevent contact between balls and result in low noise levels under high-speed operation.

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	
	SXWZ	SX2WZ		SRZL	Selectable	
Wide Block Through Hole	SXWLZ	SX2WLZ	SXWB	SRZLF	Configurable	
	SXWTZ	SX2WTZ	SXWB	SRZL	Selectable	
Wide Block Tapped Hole	SXWTLZ	SX2WTLZ	SXWTB	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.

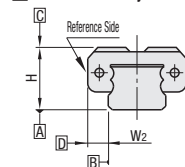
	Part Number		H	Block Dimension										Guide Rail Dimension							
	Type			W	L1	B	C	Sxℓ	L2	K	T	Grease Fitting			H1	W1	W2	Counterbore Hole d1xd2xh	F	G	
	1 block	2 blocks										Mounting Hole	E	T1							
Standard Block (Block)	SXRZ	SX2RZ	24	100-1480 (160)	34	56.8	26	26	M4x6	40	19.4	10	Ø3	3	6	12.5	15	9.5	3.5x6x4.5	60	20
	SXRLZ	SX2RLZ	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
	SXRZ	SX2RZ	33	160-1960 (220)	48	81.6	35	35	M6x9	60	26	12	M6xP0.75	11	7	18	23	12.5	7x11x9	60	20
	SXRZ	SX2RZ	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	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
	SXWLZ	SX2WLZ	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
	SXWTZ	SX2WTZ	33	160-1960 (220)	73	81.6	60	35	7 (M8)	60	26	11	M6xP0.75	11	7	18	23	25	7x11x9	60	20
	SXWTLZ	SX2WTLZ	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 Standard	Wide	Guide Rail kg/m
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)		Interchangeable
Height H Tolerance	±20	
Pair Variation of Height H	15	
Width W2 Tolerance	±30	
Pair Variation of Width W2	25	
Running Parallelism of Plane C against Plane A	See	
Running Parallelism of Plane D against Plane B	P.525	

H	Selectable L	Unit Price									
		1 block		2 blocks			Rail	Block			
		SXRZ	SXWZ	SXWTZ	SX2RZ	SX2WZ	SX2WTZ	SRZL	SXRZ	SXWB	SXWTB
100											
160											
220											
280											
340											
400											
460											
520											
580											
640											
700											
760											
820											
880											
940											
1000											
1060											
1120											
1180											
1240											
1300											
1360											
1420											
1480											
160											
220											
280											
340											
400											
460											
520											
580											
640											
700											
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820											
880											
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1060											
1120											
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1420											
1480											
1600											
1660											
1720											
1780											
1840											
1900											
1960											
200											
280											
360											
440											
520											
600											
680											
760											
840											
920											
1000											
1080											
1160											
1240											
1320											
1400											
1480											
1560											
1640											
1720											
1800											
1880											
1960											

L Dimension Configurable Type (1mm Increment)

H	Unit Price						
	1 block		2 blocks			Rails	
	SXRZ	SXWZ	SXWTZ	SX2RZ	SX2WZ	SX2WTZ	SRZLF
24							
28							
33							
42							

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.

Part Number - L
 SXRZ28 - 1840

Alterations Part Number - L - (RLC, LLC~etc.)
 SXRZ28 - 640 - RLC

Alterations	Code	Spec.															
Rail End Cut LLC	Left End Cut LLC	Cuts rail ends. Endrim Code LLC <table border="1"> <tr><th>H</th><th>L Cut</th><th>N</th></tr> <tr><td>24</td><td></td><td></td></tr> <tr><td>28</td><td>10</td><td>10</td></tr> <tr><td>33</td><td></td><td></td></tr> <tr><td>42</td><td></td><td></td></tr> </table>	H	L Cut	N	24			28	10	10	33			42		
H	L Cut	N															
24																	
28	10	10															
33																	
42																	
Rail is cut with the product ID facing out (datum on other side).	Right End Cut RLC	Applicable to Selectable Type only. Overall length will be shorter by cutting.															
3-Block Specifications	B3	Add 2 blocks to 1-Block product to ship as 3-Block separate item. Selection Example: SXRZ24-400-B3															
4-Block Specifications	B4	Add 3 blocks to 1-Block product to ship as 4-Block separate item. Selection Example: SXRZ24-400-B4															

Additional Block Price

H	B3:1Code			B4:1Code		
	Standard	Wide Through Holes	Wide Tapped Holes	Standard	Wide Through Holes	Wide Tapped Holes
24						
28						
33						
42						

Position of Grease Fitting (Reference plane on the front side)

	Selectable Shortest Rail Length for B3/B4		
	H	B3 (3-Block)	B4 (4-Block)
1 block	24	340	400
2 blocks	28	400	460
3 blocks	33	400	520
4 blocks	42	440	520

Options for Linear Guide

Linear Guide Clamps	Rail Height Adjusting Blocks
Block Derailment Prevention Parts / Dust Resistant Parts	Block / Rail Fixing Parts
Stopper Bolts P612	Rail Push Plates P612
Block Stopper Plates P612	Linear Locks P613
Rail Mounting Hole Caps P612	Linear Guide Lock Units P614