

Linear Guides for Super Heavy Load

With Plastic Retainers, Interchangeable, Light Preload

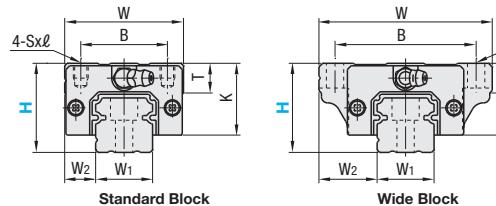
= For customers using industry standard products =
 ■ Frame-surrounded products are compliant with the industry standard specifications (Standard Block Type).
 Select the block from this spec.

Similar Products Comparison Points | Select this product for high precision positioning, heavy load, and high frequency drive application.

Industry Standard



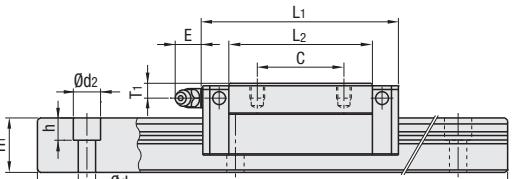
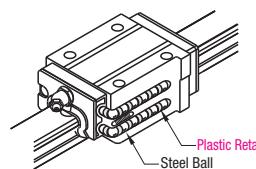
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For L Configurable, G dimensions differ from those shown in the table below. For details, see P531.

Type	1 block		2 blocks		Block	Rail	L Dimension	Material ■ Hardness
	SHRZ	SH2RZ	SHRLZ	SH2RLZ				
Standard	SHRZ	SH2RZ	SHRLZ	SH2RLZ	SHRB	SHZL	Selectable	Carbon Steel
Wide Block Through Hole	SHWZ	SH2WZ	SHWLZ	SH2WLZ	SHWB	SHZL	Selectable	58HRC~
Wide Block Tapped Hole	SHWTZ	SH2WTZ	SHWT LZ	SH2WT LZ	SHWPB	SHZL	Selectable	
						SHZLF	Configurable	

Heat Resistant Temperature: 0 ~ 50°C



■ Precautions for Use
 ■ Blocks are equipped with retainers to prevent balls from falling off. For how to handle the blocks, see P525.
 ■ 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.).
 ■ Angled Grease Fitting Type
 ■ Grease Fitting is screw-in type, and thus, can be repositioned.
 ■ For Operating Life Calculation, see P527
 ■ For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

Part Number	Type	L	Block Dimension								Guide Rail Dimension										
			1 block	2 blocks	H	W	L1	B	C	SxL	L2	K	T	Grease Fitting	H1	W1	W2	Counterbored Hole d1xd2xh	F	G	
Standard Block	SHRZ	SH2RZ	30	220-1960	44	69.8	32	36	M5x6	50	25	12	M6xP0.75	11	5	18	20	12	6x9.5x8.5	60	20
	SHRLZ	SH2RLZ	36	220-1960	48	79	35	35	M6x6	58	29	12	M6xP0.75	11	6	22	23	12.5	7x11x9	60	20
	SHRB	SHZL	42	280-1960	60	85.6	40	40	M8x8	59	33	14	M6xP0.75	11	7	26	28	16	9x14x12	80	20
Wide Block	SHWZ	SH2WZ	30	220-1960	63	69.8	53	40	6 (M6)	50	25	10	M6xP0.75	11	5	18	20	21.5	6x9.5x8.5	60	20
	SHWLZ	SH2WLZ	36	220-1960	70	79	57	45	7 (M8)	58	29	11	M6xP0.75	11	6	22	23	23.5	7x11x9	60	20
	SHWTZ	SH2WTZ	42	280-1960	90	98.6	72	52	9 (M10)	72	33	11	M6xP0.75	11	7	26	28	31	9x14x12	80	20
	SHWT LZ	SH2WT LZ																			

■ SxL Dimensions: Dimensions in () are for Wide Block Tapped Hole.

kgf=Nx0.101972									
H	Basic Load Rating		Allowable Static Moment			Mass			
	C (Dynamic) kN	C (Static) kN	M _A N · m	M _B N · m	M _C N · m	Block kg	Standard	Wide	Guide Rail kg/m
30	16.3	29.6	167	141	199	0.33	0.45	2.6	
36	22.4	37.5	246	207	295	0.46	0.63	3.6	
42	31.0 (35.5)	51.5 (63.0)	356 (540)	305 (450)	490 (600)	0.69 (1.2)	1.20	5.2	

■ Values in () are for Wide Block (Through Holes and Tapped Holes) Type.



Preload and Accuracy Standards

Interchangeable, Light Preload Type

Radial Clearance (μm)

	Interchangeable
H30, 36	-5~0
H42	-7~0

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	P525

H	Selectable L	Unit Price																																																																																																																																																																																																																																																																																			
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