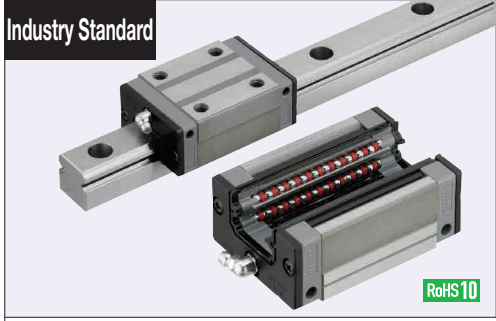


Linear Guides for Super Heavy Load

With Plastic Retainers, Interchangeable, Light Preload

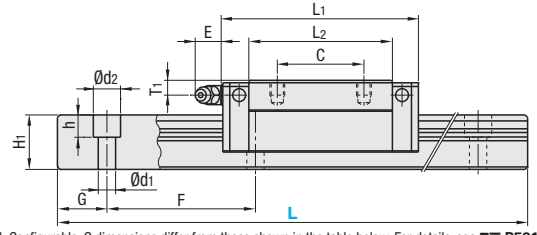
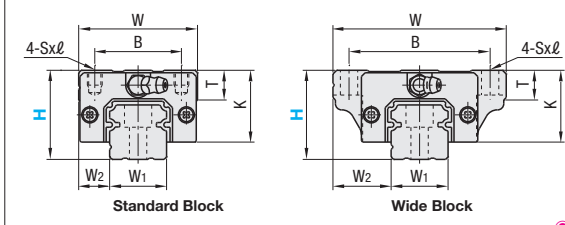
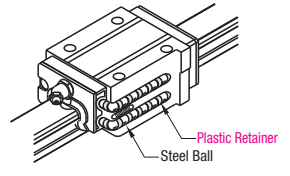
= For customers using industry standard products =
 Frame-surrounded products are compliant with the industry standard specifications (Standard Block Type).
 Select the block from this spec.

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



	Type		Block	Rail	L Dimension	Material Hardness
	1 block	2 blocks				
Standard	SHRZ	SH2RZ	SHRB	SHZL	Selectable	Carbon Steel 58HRC~
	SHRLZ	SH2RLZ		SHZLF	Configurable	
Wide Block Through Hole	SHWZ	SH2WZ	SHWB	SHZL	Selectable	
	SHWLZ	SH2WLZ		SHZLF	Configurable	
Wide Block Tapped Hole	SHWTZ	SH2WTZ	SHWPB	SHZL	Selectable	
	SHWTLZ	SH2WTLZ		SHZLF	Configurable	

Heat Resistant Temperature: 0 ~ 50°C



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

- 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.

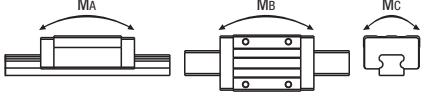
	Part Number		H	Block Dimension										Guide Rail Dimension							
	Type			W	L1	B	C	Sxℓ	L2	K	T	Grease Fitting			H1	W1	W2	Counterbored Hole d1xdzdx	F	G	
	1 block	2 blocks										Mounting Hole	E	T1							
Standard Block	SHRZ	SH2RZ	30	220~1960	44	69.8	32	36	M5x6	50	25	12	M6xP0.75	11	5	18	20	12	6x9.5x8.5	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 SHZLF	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

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

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 P525
Running Parallelism of Plane D against Plane B	See P525

H	Selectable L	Unit Price									
		1 block			2 blocks			Rail	Block		
		SHRZ	SHWZ	SHWTZ	SH2RZ	SH2WZ	SH2WTZ	SHZL	SHRB	SHWB	SHWPB
220											
280											
340											
400											
460											
520											
580											
640											
700											
760											
820											
880											
940											
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1060											
1120											
1180											
1240											
1300											
1360											
1420											
1480											
1540											
1600											
1660											
1720											
1780											
1840											
1900											
1960											

L Dimension Configurable Type (1mm Increment)

H	Unit Price						
	1 block			2 blocks			Rails
	SHRLZ	SHWLZ	SHWTLZ	SH2RLZ	SH2WLZ	SH2WTLZ	SHZLF
30							
36							
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
 SHRZ30 - 820

Alterations Part Number - L - (RLC, LLC~etc.)
 SHRZ30 - 820 - RLC

Alterations	Code	Spec.												
Rail End Cut LLC	Left End Cut LLC	Cuts rail ends. Ordering Code: LLC <table border="1"> <tr><th>H</th><th>L</th><th>Cut</th><th>N</th></tr> <tr><td>30</td><td>36</td><td>10</td><td>10</td></tr> <tr><td>42</td><td></td><td></td><td></td></tr> </table>	H	L	Cut	N	30	36	10	10	42			
H	L	Cut	N											
30	36	10	10											
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: SHRZ30-400-B3												
4-Block Specifications	B4	Add 3 blocks to 1-Block product to ship as 4-Block separate item. Selection Example: SHRZ30-400-B4												

Additional Block Price

H	B3:1Code			B4:1Code		
	Standard	Wide Through Holes	Wide Tapped Holes	Standard	Wide Through Holes	Wide Tapped Holes
30						
36						