

Linear Guides for Medium Load

With Plastic Retainers, Interchangeable, Light Preload

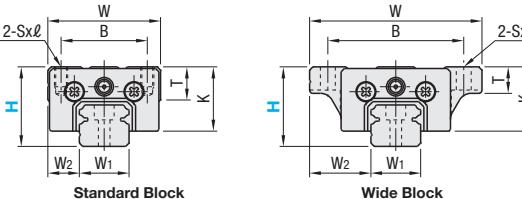
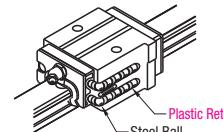
= For customers using industry standard products =
 ■ Frame-surrounded products are compliant with the industry standard specifications (Standard Block Type).
 Select the block from this spec.

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



	Type		Block	Rail	L Dimension	Material Hardness
	1 block	2 blocks				
Standard	SVRZ	SV2RZ	SVRB	SRZL	Selectable	
	SVRLZ	SV2RLZ		SRZLF	Configurable	
Wide Block Through Hole	SVWZ	SV2WZ	SVWB	SRZL	Selectable	Carbon Steel 58HRC~
	SVWLZ	SV2WLZ		SRZLF	Configurable	
Wide Block Tapped Hole	SVWTZ	SV2WTZ	SVWTB	SRZL	Selectable	
	SVWTLZ	SV2WTLZ		SRZLF	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

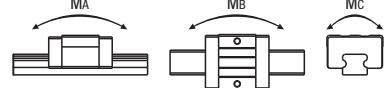
Blocks are equipped with retainers to prevent balls from falling off. For how to handle the blocks, see P525.
 For Interchangeable, Light Preload Type, rails and blocks can be interchanged.
 Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
 Rails cannot be connected 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.).
 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 P527
 For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

Part Number	Type		H	Block Dimension							Guide Rail Dimension									
				L	W	L1	B	SxL	L2	K	T	Grease Fitting	Mounting Hole	E	T1	H1	W1	W2	Counterbored Hole d1xd2xh	F
Standard Block	(Block) SVRB	SVRZ	24	100~1480 (160)	34	40.4	26	M4x6	23.6	19	10	03	3	6	12.5	15	9.5	3.5x6x4.5	60	20
		SVRLZ		160~1960 (220)	42	47.2	32	M5x7	30	22	12	M6xP0.75	11	5.5	15.5	20	11	6x9.5x8.5	60	20
		SV2RZ	28	160~1960 (220)	48	59.6	35	M6x9	38	26	12	M6xP0.75	11	7	18	23	12.5	7x11x9	60	20
		SV2RLZ		200~1960 (280)	60	67.4	40	M8x12	42	33	13	M6xP0.75	11	8	23	28	16	7x11x9	80	20
Wide Block	(Block) SVWB	SVWZ	24	100~1480 (160)	52	40.4	41	4.5 (M5)	23.6	19	8	03	3	6	12.5	15	18.5	3.5x6x4.5	60	20
		SVWLZ		160~1960 (220)	59	47.2	49	5.5 (M6)	30	22	10	M6xP0.75	11	5.5	15.5	20	19.5	6x9.5x8.5	60	20
		SV2WZ	28	160~1960 (220)	73	59.6	60	7 (M8)	38	26	11	M6xP0.75	11	7	18	23	25	7x11x9	60	20
		SV2WLZ		200~1960 (280)	90	67.4	72	9 (M10)	42	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.

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	4.9	7.8	21	18	39	0.14	0.17	1.4	
28	7.25	11.8	40	34	80	0.19	0.24	2.3	
33	12.7	20.8	96	81	164	0.34	0.44	3.1	
42	18.7	29.6	153	128	282	0.58	0.76	4.8	



Preload and Accuracy Standards		Interchangeable, Light Preload Type	
Radial Clearance (μm)		Interchangeable	
H24, 28 -4~0		H24, 28, 33, 42 -5~0	
Dimensional Accuracy (μm)		Interchangeable	
Height H Tolerance ±20		Height H Tolerance ±20	
Width W2 Tolerance ±30		Width W2 Tolerance ±30	
Pair Variation of Height H 15		Pair Variation of Height H 15	
Pair Variation of Width W2 25		Pair Variation of Width W2 25	
Running Parallelism of Plane C against Plane A See P525		Running Parallelism of Plane C against Plane A See P525	

H	Selectable L	Unit Price								
		1 block		2 blocks		Rail		Block		
	SVRZ	SVWZ	SVWTZ	SV2RZ	SV2WZ	SV2WTZ	SRZL	SVRB	SVWB	SVWTB
24	100									
	160									
	220									
	280									
	340									
	400									
	460									
	520									
	580									
	640									
	700									
	760									
	820									
	880									
	940									
	1000									
	1060									
	1120									
	1180									
	1240									
	1300									
	1360									
	1420									
	1480									
	1540									
	1600									
	1660									
	1720									
	1780									
	1840									
	1900									
	1960									

H	Unit Price			
	1 block	2 blocks	Rails	Block
24	SVRLZ	SVWLZ	SVWT LZ	SV2RLZ
28				SV2WLZ
33				SV2WT LZ
42				SRZLF

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
 SVRZ28 - 820

Alterations	Code	Spec.		
Cuts rail ends. Ordering Code LLC				

<tbl_r cells="3" ix="1" max