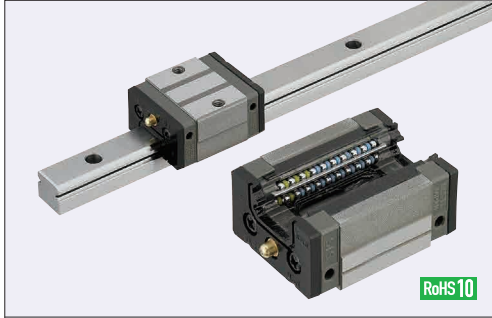


Linear Guides for Medium Load

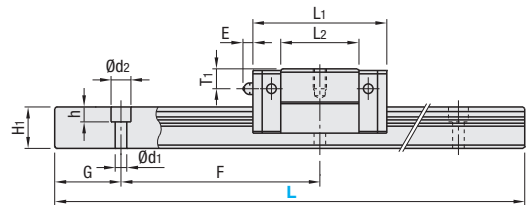
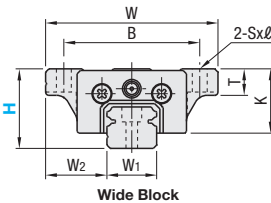
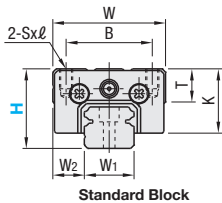
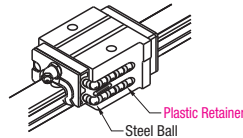
With Plastic Retainers, Interchangeable, Light Preload

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



	Type		Block	Rail	L Dimension	Material Hardness
	1 block	2 blocks				
Standard	SVRZ	SV2RZ	SVRB	SRZL	Selectable	Carbon Steel 58HRC~
	SVRLZ	SV2RLZ		SRZLF	Configurable	
Wide Block Through Hole	SVWZ	SV2WZ	SVWB	SRZL	Selectable	
	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 interchangeable.
- 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

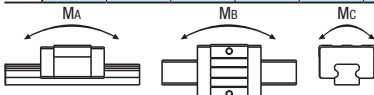
- Filled with Lithium soap based grease (Alvania Grease S2 by Showa Shell Sekiyu K.K.).
- Grease Fittings: Straight Type for H24 and Angled Type for H28, H33 and H42.
- Grease Fitting is screw-in type, and thus, can be repositioned.
- For Operating Life Calculation, see P527.
- For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/ta_soft.html.

	Part Number		H	L	Block Dimension							Grease Fitting							Guide Rail Dimension				
	Type				W	L1	B	Sxℓ	L2	K	T	Mounting Hole			E	T1	H1	W1	W2	Counterbored Hole d1xd2xzh	F	G	
	1 block	2 blocks										Mounting Hole	E	T1									
Standard Block	SVRZ	SV2RZ	24	100~1480 (160)	34	40.4	26	M4x6	23.6	19	10	Ø3	3	6	12.5	15	9.5	3.5x6x4.5	60	20			
	SVRLZ	SV2RLZ	28	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			
	SVRB	SRZL	33	160~1960 (220)	48	59.6	35	M6x9	38	26	12	M6xP0.75	11	7	18	23	12.5	7x11x9	60	20			
		SRZLF	42	200~1960 (280)	60	67.4	40	M8x12	42	33	13	M6xP0.75	11	8	23	28	16	7x11x9	80	20			
Wide Block	SVWZ	SV2WZ	24	100~1480 (160)	52	40.4	41	4.5 (M5)	23.6	19	8	Ø3	3	6	12.5	15	18.5	3.5x6x4.5	60	20			
	SVWLZ	SV2WLZ	28	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			
	SVWTZ	SV2WTZ	33	160~1960 (220)	73	59.6	60	7 (M8)	38	26	11	M6xP0.75	11	7	18	23	25	7x11x9	60	20			
	SVWTLZ	SV2WTLZ	42	200~1960 (280)	90	67.4	72	9 (M10)	42	33	11	M6xP0.75	11	8	23	28	31	7x11x9	80	20			

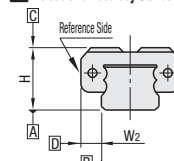
Ⓛ Dimension: Dimensions in () are for 2-Block Type.
 Ⓢxℓ Dimensions: Dimensions in () are for Wide Block Tapped Hole.

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	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)	
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 P525
Running Parallelism of Plane D against Plane B	