

Linear Guides for Medium Load

Normal Clearance

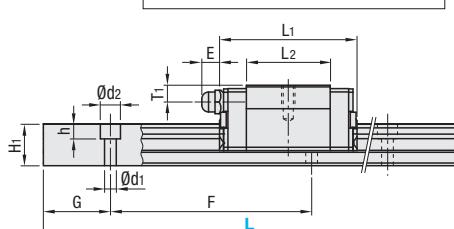
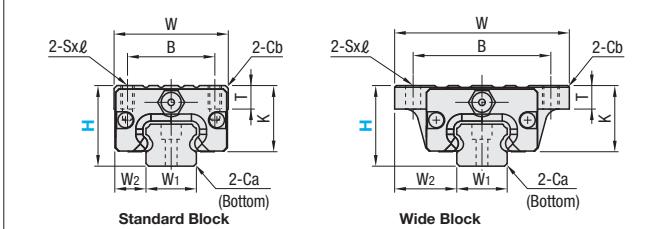
Similar Products Comparison Points | Select this product for high precision positioning, heavy load, and high frequency drive application.

= 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.



Blocks and rails are not sold as separate items. Normal Clearance Type has guaranteed radial clearances and accuracies as sets of blocks and rails.

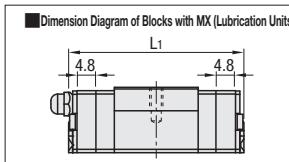


For L Configurable, G dimensions differ from those shown in the table below. For details, see P531.

Lubrication Units MX Provides long term maintenance-free operation.

Standard Grade	Type		MX (Lubrication Units)	L Dimension	Material
	1 block	2 blocks			
High Grade	Standard Grade	High Grade			
SVR	SVRJ	SV2R	SV2RJ		
SVRL	SVRLJ	SV2RL	SV2RLJ		
SVW	-	SV2W	-		
SVWL	-	SV2WL	-		
SVWT	-	SV2WT	-		
SVTL	-	SV2WTL	-		

Heat Resistant Temperature: -20 ~ 80°C



Precautions for Use
Blocks are equipped with retainers to prevent balls from falling off. For how to handle the blocks, see P525.
Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from the original set combinations.
Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
Rails cannot be connected and 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 and H33.
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.

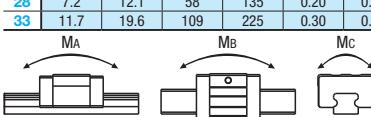
L Dimension: Dimensions in () are for 2-Block Type.

H	Part Number		L	Block Dimension						Guide Rail Dimension														
	Type	MX		W	L ₁ Standard	L ₁ MX	B	SxL	L ₂	K	T	Cb	Grease Fitting Mounting Hole	E	T ₁	H ₁	W ₁	W ₂	C _a	Countered Hole d ₁ xd ₂ xh	F	G		
Standard Block	(1 block) (2 blocks)		Blank: None -MX: Provided	24	100-1480 (160)	34	41	50.6	26	M4x7	25	20	7	0.85	M5xP0.8	6	5	12.5	15	9.5	0.5	3.5x6x4.5	60	20
	SVR	SV2R		28	160-1960 (220)	42	47	56.6	32	M5x8	27.6	22.5	7.5	1	M6xP0.75	13	6	15.5	20	11	0.6	6x9.5x8.5	60	20
	SVRL	SV2RL		33	160-1960 (220)	48	59	68.6	35	M6x9	37	26.5	8	1	M6xP0.75	13	6.8	18	23	12.5	0.8	7x11x9	60	20
Wide Block	(1 block) (2 blocks)		Blank: None -MX: Provided	24	100-1480 (160)	52	41	50.6	41	4.5 (M5)	25	20	7	0.5	M5xP0.8	6	5	12.5	15	18.5	0.5	3.5x6x4.5	60	20
	SVW	SV2W		28	160-1960 (220)	59	47	56.6	49	5.5 (M6)	27.6	22.5	9	1	M6xP0.75	13	6	15.5	20	19.5	0.6	6x9.5x8.5	60	20
	SVWL	SV2WL		33	160-1960 (220)	73	59	68.6	60	7 (M8)	37	26.5	10	1	M6xP0.75	13	6.8	18	23	25	0.8	7x11x9	60	20

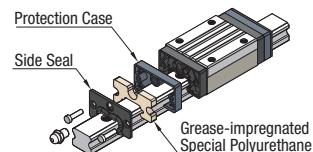
SxL Dimensions: Dimensions in () are for Wide Block Tapped Hole.

kgf=Nx0.101972

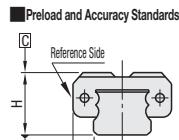
H	Basic Load Rating		Allowable Static Moment		Mass	
	C (Dynamic) kN	Co (Static) kN	Ma, Mb N·m	Mc N·m	Block kg Standard	Block kg Wide
24	5.0	8.23	33	57	0.15	0.20
28	7.2	12.1	58	135	0.20	0.25
33	11.7	19.6	109	225	0.30	0.40



Lubrication Units MX



Advantages of Lubrication Unit MX: Provides long term maintenance-free operation. Reduces maintenance cost. Most suitable where the design does not allow lubrication. For details, see P530.



Radial Clearance (μm)	Dimensional Accuracy (μm)		Standard Grade	High Grade
	H24	H28		
-4~+2	H24	-4~+2	Height H Tolerance	±100
-5~+2	H28	-5~+2	Pair Variation of Height H	20
-6~+3	H33	-6~+3	Width W ₂ Tolerance	±20
			Pair Variation of Width W ₂	20
			of Width W ₂	30
				15
			Running Parallelism of Plane C against Plane A	
			Running Parallelism of Plane D against Plane B	

See P525

L Dimension Configurable Type (1mm Increment)

H	Unit Price				
	1 block	2 blocks	SVRL	SVWL	SVWTL
24					
28					
33					

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.

MX (Lubrication Unit) Unit Price

H	Unit Price	
	1 block	2 blocks
24		
28		
33		

Price of Guide Rails with MX (Lubrication Unit) = Linear Guide Unit Price + MX Unit Price



Part Number - L

SVR28	-	880	(With Lubrication Units)
SVR-MX	-	880	(LTBC Plating)
RVR	-	880	(L Type Greased)
SVR28	-	880	(G Type Greased)
SVR28L	●	880	
SVR28G	●	880	

LTBC Plating and various Grease types available as alternative. (Except products with Lubrication Units) P532

H	Selectable L	Unit Price							
		1 block	2 blocks	SVR	SVW	SVWT	SV2R	SV2W	SV2WT
24									
28									
33									

H	Unit Price				
	1 block	2 blocks	SVRL	SVWL	SVWTL
24					
28					
33					

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.

Alterations	Part Number	Part Number - L		Spec.	
L	(TMS, TMC...etc.)	TMS	TMC		
</tbl_info