

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.

Lubrication Units MX
Provides long term maintenance-free operation.

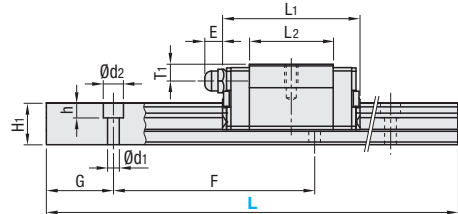
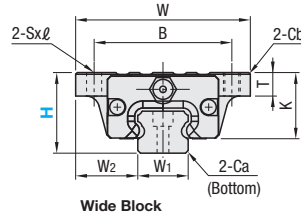
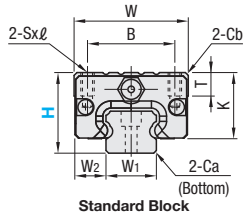
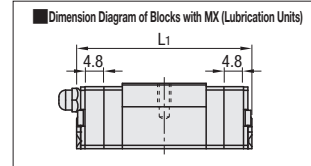


RoHS 10

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

Block	Type				MX (Lubrication Units)	L Dimension	Material Hardness
	1 block		2 blocks				
Standard	Standard Grade	High Grade	Standard Grade	High Grade	Blank: None -MX: Provided	Selectable	Carbon Steel 58HRC~
	Wide Block	SVR	SVRJ	SV2R		SV2RJ	
SVRL		SVRLJ	SV2RL	SV2RLJ		Configurable	
Through-Hole	SVW	-	SV2W	-		Selectable	
	SVWL	-	SV2WL	-		Configurable	
	SVWT	-	SV2WT	-		Selectable	
	SVWTL	-	SV2WTL	-	Configurable		

Heat Resistant Temperature: -20 ~ 80°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.
- 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 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 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.

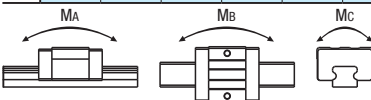
Part Number	Type	MX	H	L	Block Dimension											Guide Rail Dimension									
					W	L1		B	Sxℓ	L2	K	T	Cb	Grease Fitting			H1	W1	W2	Ca	Counterbore Hole d1xd2xh	F	G		
						Standard	MX							Mounting Hole	E	T1									
Standard Block	(1 block)	Blank: None -MX: Provided	24	100-1480 (160)	34	41	50.6	26	M4x7	25	20	7	0.85	M5xP0.8	6	5	12.5	15	9.5	0.5	3.5x6x4.5	60	20		
	(2 blocks)																							SVR	SV2R
																								SVRL	SV2RL
																								SVRJ	SV2RJ
Wide Block	(1 block)	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		
	(2 blocks)																							SVW	SV2W
																								SVWL	SV2WL
																								SVWT	SV2WT
	SVWTL	SV2WTL																							

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

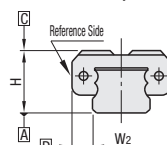
Sxℓ Dimensions: Dimensions in () are for Wide Block Tapped Hole.

kgf=Nx0.101972

H	Basic Load Rating		Allowable Static Moment		Mass		
	C (Dynamic)	Co (Static)	Ma	Mb	Mc	Block kg	Guide Rail kg/m
	kN	kN	N · m	N · m	N · m	Standard	Wide
24	5.0	8.23	33	57	0.15	0.20	1.5
28	7.2	12.1	58	135	0.20	0.25	2.4
33	11.7	19.6	109	225	0.30	0.40	3.4



Preload and Accuracy Standards



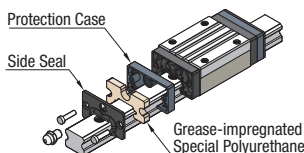
Normal Clearance Type

Radial Clearance (µm)	Dimensional Accuracy (µm)	Standard Grade	High Grade	
H24	-4~+2	Height H Tolerance	±100	±40
H28	-5~+2	Pair Variation of Height H	20	15
H33	-6~+3	Width W2 Tolerance	±100	±20
		Pair Variation of Width W2	H24, 28	20
			H33	30

Running Parallelism of Plane C against Plane A
Running Parallelism of Plane D against Plane B

See P525

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.