

Linear Guides for Heavy 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.

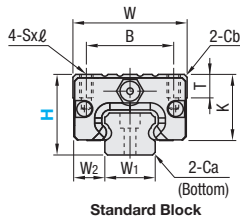
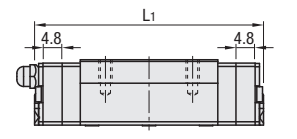


Industry Standard
RoHS 10
Blocks and rails are not sold as separate items. Normal Clearance Type has guaranteed radial clearances and accuracies as sets of blocks and rails.

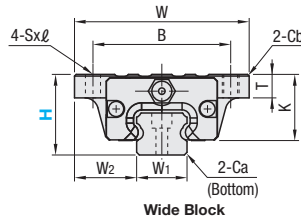
	Type				MX (Lubrication Units)	L Dimension	Material Hardness
	1 block		2 blocks				
	Standard Grade	High Grade	Standard Grade	High Grade			
Standard Block	SXR	SXRJ	SX2R	SX2RJ	Blank: None -MX: Provided	Selectable	Carbon Steel 58HRC~
	SXRL	SXRLJ	SX2RL	SX2RLJ		Configurable	
Wide Block Taped Hole Through Hole	SXW		SX2W			Selectable	
	SXWL		SX2WL			Configurable	
	SXWT		SX2WT			Selectable	
	SXWTL		SX2WTL			Configurable	

Heat Resistant Temperature: -20 ~ 80°C

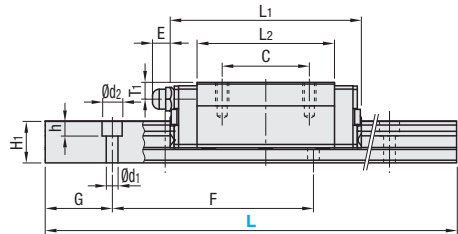
Dimension Diagram of Blocks with MX (Lubrication Units)



Standard Block



Wide Block



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.

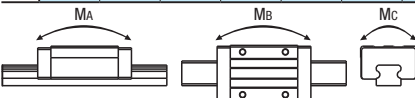
- Others
- Filled with Lithium soap based grease (Alvania Grease S2 by Showa Shell Sekiyu K.K).
- Grease Fittings: Straight Type for H24 and Angled Type for H28 and H33.
- Grease Fitting is screw-in type, and thus, can be repositioned.
- For Operating Life Calculation, see P527
- For operating life calculations,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

	Part Number		H	L	Block Dimension										Guide Rail Dimension										
	Type	MX			W	L1		B	C	Sxℓ	L2	K	T	Cb	Grease Fitting			H1	W1	W2	Ca	Countersunk Hole d1xrd1xzh	F	G	
						Mounting Hole	E								T1										
Standard Block	(1 block) SXR SXRL	(2 blocks) SX2R SX2RL	Blank: None -MX: Provided	24	100-1480 (160)	34	57	66.6	26	26	M4x7	41	20	7	0.85	M5xP0.8	6	5	12.5	15	9.5	0.5	3.5x6x4.5	60	20
				28	160-1960 (220)	42	67	76.6	32	32	M5x8	47.6	22.5	7.5	1	M6xP0.75	13	6	15.5	20	11	0.6	6x9.5x8.5	60	20
				33	160-1960 (220)	48	83	92.6	35	35	M6x9	61	26.5	8	1	M6xP0.75	13	6.8	18	23	12.5	0.8	7x11x9	60	20
Wide Block	(1 block) SXW SXWL SXWT SXWTL	(2 blocks) SX2W SX2WL SX2WT SX2WTL	Blank: None -MX: Provided	24	100-1480 (160)	52	57	66.6	41	26	4.5 (M5)	41	20	7	0.5	M5xP0.8	6	5	12.5	15	18.5	0.5	3.5x6x4.5	60	20
				28	160-1960 (220)	59	67	76.6	49	32	5.5 (M6)	47.6	22.5	9	1	M6xP0.75	13	6	15.5	20	19.5	0.6	6x9.5x8.5	60	20
				33	160-1960 (220)	73	83	92.6	60	35	7 (M8)	61	26.5	10	1	M6xP0.75	13	6.8	18	23	25	0.8	7x11x9	60	20

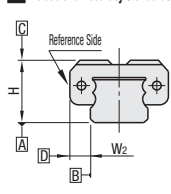
L Dimension: Dimensions in () are for 2-Block Type.
Sxℓ Dimensions: Dimensions in () are for Wide Block Tapped Hole.

kgf~Nx0.101972

H	Basic Load Rating		Allowable Static Moment		Mass		
	C (Dynamic) kN	Co (Static) kN	MA, Ms N · m	Mc N · m	Block kg	Guide Rail kg/m	Wide
24	8.6	14.2	69	98	0.20	0.25	1.5
28	12.5	21.3	155	232	0.30	0.35	2.4
33	20.2	34.5	275	393	0.45	0.60	3.4



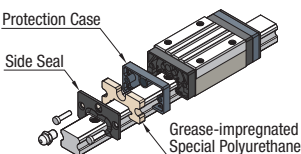
Preload and Accuracy Standards



Normal Clearance Type

Radial Clearance (µm)	Dimensional Accuracy (µm)	Standard Grade	High Grade
H24	Height H Tolerance	±100	±40
H28	Pair Variation of Height H	20	15
H33	Width W2 Tolerance	±100	±20
	Pair Variation of Width W2	H24, 28 H33	20 30
	Running Parallelism of Plane C against Plane A		
	Running Parallelism of Plane D against Plane B		

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.