

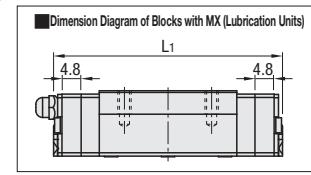
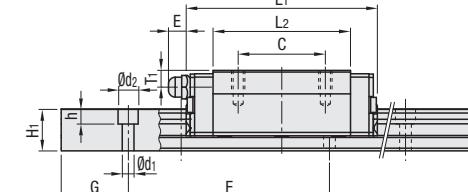
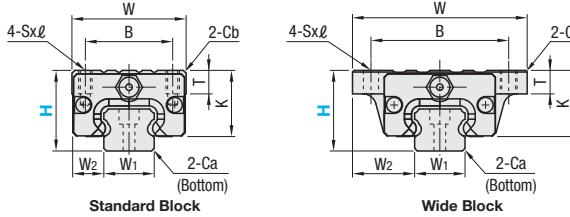
# Linear Guides for Heavy Load

## Normal Clearance

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



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.

### 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 H28 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](http://download.misumi.jp/mol/fa_soft.html).

Part Number		Type	MX	H	L	Block Dimension							Guide Rail Dimension															
W	L1					Standard	MX	B	C	Sx $\ell$	L2	K	T	Cb	Grease Fitting Mounting Hole	E	T1	H1	W1	W2	Ca	Countersunk Hole dxdxh	F	G				
Standard Block	(1 block) (2 blocks)		SXR	SX2R	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	
	SXRL		SX2RL	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		
	SX RJ		SX2RJ	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		
	SX RLJ		SX2RLJ	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		
Wide Block	(1 block) (2 blocks)		SXW	SX2W		24	100-1480 (160)	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	
	SXWL		SX2WL	28		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		
	SXWT		SX2WT	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		
	SXWTL		SX2WTL	24		100-1480 (160)	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		

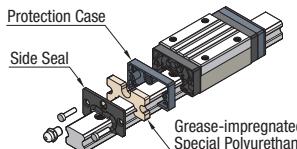
L Dimension: Dimensions in ( ) are for 2-Block Type.

Sx $\ell$  Dimensions: Dimensions in ( ) are for Wide Block Tapped Hole.

kgf=Nx0.101972

H	Basic Load Rating C (Dynamic) kN	Co Static kN	M <sub>a</sub> , M <sub>b</sub> N·m	M <sub>c</sub> N·m	Mass		Preload and Accuracy Standards		Normal Clearance Type		Radial Clearance (μm)		Dimensional Accuracy (μm)		Standard Grade		High Grade			
					Block kg	Guide Rail kg/m	Block kg	Guide Rail kg/m	Height H Tolerance	±100	±40	Width W <sub>2</sub> Tolerance	±100	±20	Pair Variation of Height H	20	15	Pair Variation of Width W <sub>2</sub>	H24, 28	30
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													

### 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.

**Lubrication Units MX**  
Provides long term maintenance-free operation.

= 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.

Ordering Example  
Part Number - L

SXR28 - 880 (With Lubrication Units)  
SXR-MX28 - 880 (LTBC Plating)  
RXR28 - 880 (Type Greased)  
SXRL28L - 880 (Type Greased)  
SXRL28G - 880 (LTBC Plating and various Grease types available as alternative (Except Blocks with Lubrication Units))

\*High Grade Types are not available.

\*LTBC Plating products are available in an L dimension of up to 1000.

H	Selectable L	Unit Price							
		1 block	2 blocks	SXR	SXW	SXWT	SX2R	SX2W	SX2WT
24	100								
	160								
	220								
	280								
	340								
	400								
	460								
	520								
	580								
	640								
	700								
	760								
	820								
	880								
	940								
	1000								
	1120								
	1240								
	1360								
	1480								
	160								
	220								
	280								
	340								
	400								
	460								
	520								
	580								
	640								
	700								
	760								
	820								
	880								
	940								
	1000								
	1120								
	1240								
	1360								
	1480								
	1600								
	1720								
	1840								
	1960								
	220								
	280								
	340								
	400								
	460								
	520								
	580								
	640								
	700								
	760								