Linear Guides for Heavy Load - Dust Resistant

With Double Seals / Metal Scrapers, Normal Clearance

Lubrication Units MX



MX (Lubrication Units) Number of Blocks Material Hardness Double-Sealed With Metal Scrapers Selectable SX2RKL Blank: None Carbon Stee SXWD SXWK Selectable SX2WD SX2WK **SXWDL** SXWKL Configurable SX2WDL SX2WKL

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

Heat Resistant Temperature: $-20 \sim 80^{\circ}\text{C}$ Dimension Diagram of Blocks with MX (Lubrication Units)

(Bottom)

For L Configurable, G dimensions differ from those shown in the table below. For details, see Ex P. 531.

- ⑤Blocks are equipped with retainers to prevent balls from falling off. For how to handle the blocks, see № F. P.525.
 ⑤Radial 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 distant plane). Minori bending of the rail will be adjusted make being mounted and will not affect the performance.

- 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 **EF P. 527**For operating life calculations, see our free calculation software from http://download.misumi

	Part Number						Block Dimension									Guide Rail Dimension									
	Tv	pe	мх	н	L	w	L		В	С	S×ℓ	L2	к	т	Cb	Grease	_		H ₁	W ₁	W ₂	Ca	Counterbored Hole	F	G
	.,	pc	IVIX			<u> </u>	Standard MX		5 0 0	0.00	5 LE		Ŀ.	0.5	Mounting Hole	Е	T ₁			***2	- Ou	d1×d2×h			
Standard Block	(1 block)	SXRD SX2RD	Blank: None	24	160(220) ~1480	34	62 (58.6)	71.6 (68.2)	26	26	M4x7	41	20	7	0.85	M5xP0.8	6	5	12.5	15	9.5	0.5	3.5x6x4.5	60	20
	SXRK			28	220 ~1960	42	73.4 (69)	83 (78.6)	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
	SXRKL			33	220(280) ~1960	48	90 (85.4)	99.6 (95)	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) SXWD	ID SX2WD IK SX2WK		24	160(220) ~1480	52	62 (58.6)	71.6 (68.2)	41	26	4.5	41	20	7	0.5	M5xP0.8	6	5	12.5	15	18.5	0.5	3.5x6x4.5	60	20
	SXWK SXWDL			28	220 ~1960	59	73.4 (69)	83 (78.6)	49	32	5.5	47.6	22.5	9	1	M6xP0.75	13	6	15.5	20	19.5	0.6	6x9.5x8.5	60	20
	SXWKL			33	220(280)~ 1960	73	90 (85.4)	99.6 (95)	60	35	7	61	26.5	10	1	M6xP0.75	13	6.8	18	23	25	0.8	7x11x9	60	20

effect and prevents intrusion of foreign substances into the block.

Sliding resistance of Double-Sealed Type is higher than that of Standard Type.

Can be used where dust and machining chips exist.

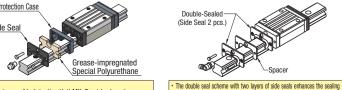
L Dimension: Dimensions in () are for 2-Block Type.

Mass Block kg Double-Sealed With Metal Scrapers kΝ N·m Standard Wide Standard Wide 8.6 14.2 69 98 0.21 0.26 0.21 0.26 1.5 12.5 21.3 155 232 0.32 0.37 0.32 0.37 2.4

393 0.48 0.63 0.49 0.64 3.4



Double-Sealed



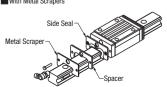
Advantages of Lubrication Unit MX: Provides long term maintenance-free operation, Reduces maintenance cost. Most suitable where the design does not allow lubrication Preload and Accuracy



Normal Clearance Type Radial Clearance (µm) Dimensional Accuracy (µm) Standard Grade H24 -4~+2 Height H Tolerance H28 -5~+2 Pair Variation of Height H 20 H33 -6~+3 Width W₂ Tolerance ±100 Pair Variation H24, 28 20 of Width W₂ H33 30 Running Parallelism of Plane C against Plane A See P. 525

Running Parallelism of Plane D against Plane B

With Metal Scrapers



Larger foreign substances adhered to the rail can be removed by attaching metal scrapers on the external side of the side seals. Can be used in areas with high temperature dusts such as = For customers using industry standard products =

400

640

Frame-surrounded products are compliant with the industry standard specifications (Standard Block Type). Select the block from this spec.

2 blocks



Part Number

(With Lubrication Units) 880 (L Type Greased) - 880 (G Type Greased)

Alternative grease types available (Except Blocks with Lubrication Units)

Part Number - L - (TMS, TMC, RLC, LLC···etc.)

Alterations Code Spec. Adds tapped holes on both rail ends to avoid block fall-off. TMS:Tapped Hole Machining 2 Stopper Plates H24 H28. 33 TMC: Tapped Hole Machining only

Block Stopper Plat Cuts rail ends Rail End Cut Left End Cut Ordering Code LLC RLC LLC H L Cut N 10 LN Rail is cut with the product ID facing out (datum on other side). Applicable to Selectable Type only. Overall length will be shorter by cutting. Pair variation of Height H between 2 rails is set within 20um. Two rails are shipped as a pair.

Specify the actual rail quantity (even number) to Parallel Use of 2 Rails order, not "pairs".

Not applicable to High Grade Type.

Not applicable to low temperature chrome plated

Additional Block Price

3-Block Specifications

4-Block Specifications

		B3: 1	Code		B4: 1Code					
Н	Double	-Sealed	With Meta	Scrapers	Double	-Sealed	With Metal Scrapers			
	Standard	Wide	Standard	Wide	Standard	Wide	Standard	Wide		
24										
28										
33										

Position of Grease Fitting (Reference plane on the front side)

Selectable Shortest Rail Length for B3/B4 2 blocks 3 blocks 4 blocks

siuej	Selectable Shortest Rail Length for B3/B4										
_	Н	B3 (3-Block)	B4 (4-Block)								
_	24	340	400								
_	28	400	460								
	33	400	520								

Add 2 blocks to 1-Block product to ship as 3-Block

separate item. Selection Example: SXRD24-400-B3 Add 3 blocks to 1-Block product to ship as 4-Block

separate item. Selection Example: SXRD24-400-B4

MX (Lubrication Unit) Unit Price

_ ,	,	-					
н	Unit Price						
п	1 block	2 blocks					
24							
28							
33							

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

L Dimension Configurable Type (1mm Increment)

ı		Unit Price									
	Н		1 bl	ock		2 blocks					
		SXRDL	SXRKL	SXWDL	SXWKL	SX2RDL	SX2RKL	SX2WDL	SX2WKL		
	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.