Linear Guides for Medium Load - Dust Resistant

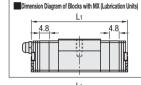
With Double Seals / Metal Scrapers, Normal Clearance

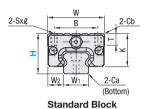
Lubrication Units MX Provides long term maintenance-free operation.

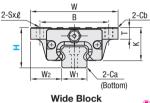


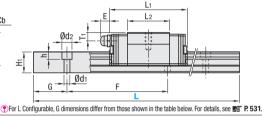
	Туре		MX (Lubrication	L Dimension	Number of	M Material	
	Double-Sealed	With Metal Scrapers	`Units)	L Dimension	Blocks	Hardness	
Block	SVRD	SVRK		Selectable	1		
	SV2RD	SV2RK		Selectable	2		
Standard	SVRDL	SVRKL		Configurable	1		
Sta	SV2RDL	SV2RKL	Blank: None	Connigurable	2	Carbon Steel	
	SVWD	SVWK	-MX: Provided	Selectable	1	58HRC~	
Bloc	SV2WD	SV2WK		Selectable	2		
Nide Block	SVWDL	SVWKL		Configurable	1		
_ <	SV2WDL	SV2WKL		Comigurable	2		

Heat Resistant Temperature: -20 ~ 80°C









- PBlocks are equipped with retainers to prevent balls from falling off. For how to handle the blocks, see 💇 P. 525.
 Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from the original set
- Comminations.

 Similar 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.

- 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.

- The Section of the Calculation, see Set 19 of epositionies.

 For Operating Life Calculation, see Set 19 of epositionies.

 For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

	Part Number				Block Dimension										Guide Rail Dimension								
	Туре	MX	н	L	w	L Standard	1 MX	В	Sxℓ	L2	K	т	Cb	Grease Mounting Hole		ng T1	Hı	W ₁	W2	Ca	Counterbored Hole d1xd2xh	F	G
OCK	(1 block) (2 blocks)		24	160 ~1480	34	46 (42.6)	55.6 (52.2)	26	M4x7	25	20	7	0.85	M5xP0.8	6	5	12.5	15	9.5	0.5	3.5x6x4.5	60	20
uaru b	SVRD SV2RD SVRK SV2RK		28	220 ~1960	42	53.4 (49)	63 (58.6)	32	M5x8	27.6	22.5	7.5	1	M6xP0.75	13	6	15.5	20	11	0.6	6x9.5x8.5	60	20
otan	SVRDL SV2RDL SVRKL SV2RKL	Blank: None	33	220 ~1960	48	66 (61.4)	75.6 (71)	35	M6x9	37	26.5	8	1	M6xP0.75	13	6.8	18	23	12.5	0.8	7x11x9	60	20
Z.	(1 block) (2 blocks) SVWD SV2WD	-MX: Provided	24	160 ~1480	52	46 (42.6)	55.6 (52.2)	41	4.5	25	20	7	0.5	M5xP0.8	6	5	12.5	15	18.5	0.5	3.5x6x4.5	60	20
oig an	SVWK SV2WK SVWDL SV2WDL		28	220 ~1960	59	53.4 (49)	63 (58.6)	49	5.5	27.6	22.5	9	1	M6xP0.75	13	6	15.5	20	19.5	0.6	6x9.5x8.5	60	20
>	SVWKL SV2WKL		33	220 ~1960	73	66 (61.4)	75.6 (71)	60	7	37	26.5	10	1	M6xP0.75	13	6.8	18	23	25	0.8	7x11x9	60	20

Dimensions in () are for Metal Scraper Type.

									kgf=N	x0.10197
ĺ		Basic Lo	ad Rating	Allowable St	atic Moment			Mass	3	
	н	0/0	. (0)					a		
	п	kN	kN	MA, MB N·m	N⋅m	Double-	I Scrapers	Guide Rai		
ı			KIN	14		Standard	Wide	Standard	Wide	Kg/III
Ì	24	5.0	8.23	33	57	0.16	0.21	0.16	0.21	1.5
	28	7.2	12.1	58	135	0.22	0.27	0.22	0.27	2.4
	33	11.7	19.6	109	225	0.33	0.43	0.34	0.44	3.4

Preload and Accuracy Standards



,	•								
	Norma	I Clearance Type							
_	Radial Clearance (µm)								
•	H24	-4~+2	Ī						
	H28	-5~+2	Ī						
	H33	-6~+3	Ī						
	_		Ī						

With Metal Scrapers

Dimensional A	Standard Grade	
Height H Tole	±100	
Pair Variation	20	
Width W ₂ Tol	erance	±100
Pair Variation	H24·28	20
of Width W2	H33	30
Running Parallelism of I	See	
Running Parallelism of I	P525	

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 **F P 530**.

■ Double-Sealed

The double seal scheme with two layers of side seals enhances the sealing effect and prevents intrusion of foreign substances into the block. Can be used where dust and machining chips exist. Sliding resistance of Double-Sealed Type is higher than that of Standard Type.

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 =

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

2 blocks



Ordering 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.				
TMS:Tapped Hole Machining + 2 Stopper Plates TMC: Tapped Hole Machining only Block Stopper Plate	TMS TMC	Adds tapped holes on both rail ends to avoid fall-off. H24 H28, 33 M3xP0.5 Depth 5 Tapped Hole For Stopper Plates Details, see P.621.				
Rail End Cut LLC RLC L N N N L Rail is cut with the product ID facing out (datum on other side).	Left End Cut LLC Right End Cut RLC	Cuts rail ends. Ordering Code LLC				
Parallel Use of 2 Rails	WC	Pair variation of Height H between 2 rails is set w 20µm. Two rails are shipped as a pair. Specify the actual rail quantity (even number) order, not "pairs. Not applicable to High Grade Type. Not applicable to low temperature chrome pla products.				
3-Block Specifications	В3	Add 2 blocks to 1-Block product to ship as 3 separate item. Selection Example: SVRD24-400-B3				
4-Block Specifications	В4	Add 3 blocks to 1-Block product to ship as 4 separate item. Selection Example: SVRD24-400-B4				

Additional Block Price

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

osition of Grease Fitting (Reference plane on the front side) 4 blocks

Selectable Shortest Rail Length for B3/B4 H B3 (3-Block) B4 (4-Block) 24 280 340 28 340 400 33 340 400

MX (Lubrication Unit) Unit Price

н	Unit Price							
п	1 block	2 blocks						
24								
28								
22								

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

Unit Price

2 blocks

L Dimension Configurable Type (1mm Increment)

1 block