Linear Guides for Medium Load

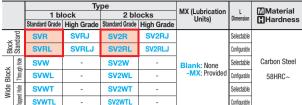
Normal Clearance

= For customers using industry standard products =

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

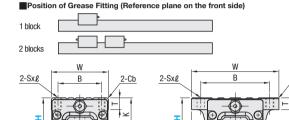
Lubrication Units MX

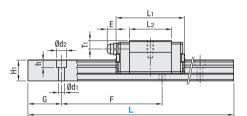




Heat Resistant Temperature: -20~80°C

Dimension Diagram of Blocks with MX (Lubrication Units)





Wide Block ● For L Dimension Configurable Type, G dimensions differ from those shown in the table below. For details, see ► P.475.

Precautions for Use

- Blocks are equipped with retainers (wire) to prevent balls from derailing. For blocks ► P.469 Radial dearances 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.
- Running parallelism is the value measured after the rail is mounted (it is not the value measured before the rails are fastened with screws.).

- 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.

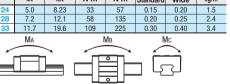
 Grease Fitting is screw-in type, and thus, can be repositioned.

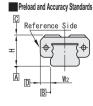
 For Operating Life Calculation **EXT P471**

		Part Numb	er			Block Dimension								Guide Rail Dimension										
	Ту		MX	н	L	w	Standard	L ₁	В	Sxl	L ₂	К	Т	Cb	Grease Mounting Hole	Fitti E	ng T1	H ₁	W ₁	W ₂	_	Counterhored Hole		G
q	(1 block)	(2 blocks)		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
Standard	SVRL SVRJ	SV2RL SV2RJ		28	160~1960 (220)	42	47	56.6	32	M5x8	27.6	22.5	7.5	1	M6xP0.75	13	6	15.5	20	11	0.6	6x9.5x8.5	60	20
S	SVRLJ	SV2RLJ	Blank: None	33	160~1960 (220)	48	59	68.6	35	M6x9	37	26.5	8	1	M6xP0.75	13	6.8	18	23	12.5	0.8	7x11x9	60	20
×	(1 block)	(1 block) (2 blocks) SVW SV2W SVWL SV2WL	-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
Wide Block				28	160~1960 (220)	59	47	56.6	49	5.5 (M6)	27.6	22.5	9	1	M6xP0.75	13	6	15.5	20	19.5	0.6	6x9.5x8.5	60	20
Wi	SVWTL	SV2WTL		33	160~1960 (220)	73	59	68.6	60	7 (M8)	37	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@ Dimensions: Dimensions in () are for Wide Block Type Tapped Hole.

				kgf=Nx0.101972			
	Basic Lo	ad Rating	Allowable St	Mass			
н	C (Dynamic)	Co (Static)	Ма, Мв	Mc	Bloc	Guide Rail	
	kN	kN	N∙m	N⋅m	Standard	Wide	kg/m
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
	Ma			Δp			





5	Normal Clearance Type Radial Clearance (µm)									
	H24	-4~+2								
	H28	-5~+2								
	H33	-6~+3								

Ī	Dimensional A	Accuracy (µm)	Standard Grade	High Grade		
Ī	Height H	Tolerance	±100	±40		
	Pair Variation	n of Height H	20	15		
Ī	Width W2	Tolerance	±100	±20		
	Pair Variation of	H24, 28	20	15		
	Width W ₂	H33	30	10		
	Running Parallelism of	Plane C against Plane A	See P.469			
	Running Parallelism of I	Plane D against Plane B	See F.469			

Protection Cas

Lubrication Units MX

Blocks with Lubrication Units MX provide long term maintenance-free operation. Reduces maintenance cost. Most suitable where the design does not allow lubrication.



			411	Unit	Price		
Н	L		1 block			2 blocks	
		SVR	SVW	SVWT	SV2R	SV2W	SV2
	100						-
	160 220						
	220						
	280 340						
	400						
	460						
	520						
	580						
24	640						
24	700						
	760						
	820						
	880						
	940						
	1000						
	*1120						
	*1240 *1360 *1480						
	*1/180						
	160						_
	220						_
	280						
	340						
	400						
	460						
	520						
	580						
	640						
	700						
	760						
28	820						
	880 940						
	1000						
	1120						
	1240						
	*1360						
	*1480						
	*1600						
	*1720						
	*1840						
	*1960						
	160						-
	220						
	280						
	340 400						
	460						
	520						
	580						
	640						
	700						
	760						
33	820						
	880						
	940						
	1000						
	1120						
	1240						
	*1360						
	*1480						
	*1600 *1720						
	*1840						
	*1960						
	1900						

	Unit Price									
Н		1 block		2 blocks						
	SVRL	SVWL	SVWTL	SV2RL	SV2WL	SV2W				
24										
28										
33										

MX (Lubrication Unit) Unit Price

н	Unit Price					
п	1 block	2 blocks				
24						
28						
33						



Configure Online

		P	Part Number - L - SVR28 - 880 -	(TMS, TMC etc.)
	Alterations		SVR28 - 880 -	TMC
· ·			Configure Online	

Alterations	Code	Spec.	Price Adder
TMS:Tapped Hole Machining+2 Stopper Plates TMC:Tapped Hole Machining only Block Stopper Plate	TMS	Adds tapped holes on both rail ends to avoid block fall-off. H24 H28, 33 M3xP0.5 Depth 5 Tapped Hole For Stopper Plates Details, see P542.	- TMS H @ 24 28 33 - TMC H @ 24 28 33 33
Rail End Cut RLC RLC RIN NL Rail is cut with the product ID facing out (datum on other side).	Left End Cut LLC Right End Cut RLC	Cuts rail ends. Determine Code LLC H L Cut N	
Parallel Use of 2 Rails	wc	For standard grade, pair variation of Height H between 2 rails is set within 20µm. Nor rails are shipped as a pair. (Specify the actual rail (even) number to order, not "pairs". Not applicable to High Grade Type. Not applicable to low temperature chrome plated products.	
3-Block Specifications	В3	Add 2 blocks to 1-block product to ship as 3-block separate item. Selection Example: SVR24-400-B3	
4-Block Specifications	B4	Add 3 blocks to 1-block product to ship as 4-block separate item. Selection Example: SVR24-400-B4	

н		Do. FIIC	e Audei		D4. FIICE Addel						
п	Standard	Wide	Standard MX	Wide MX	Standard	Wide	Standard MX	Wide MX			
24											
28											
33											
	tion of G				Selectable shortest rail length						
(Ret	erence pl	ane on th	ie tront si	ide)	H I	33 (3-bloc	k) B4 (4	B4 (4-block)			
3 block	s 🖵	$\rightarrow \Box$	-	_ [24	280		340			
		TH	$\neg \vdash$		28	340		400			
4 block	s				33	340		400			

Options for Linear Guide

