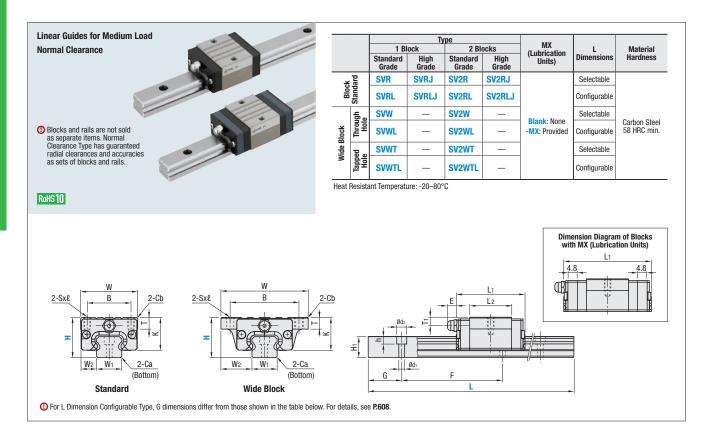
# **Linear Guides for Medium Load**

### **Normal Clearance**



#### **Precautions for Use**

- ① Blocks are equipped with retainers (wire) to prevent balls from derailing. For blocks P.602.
- ① Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from the original set combinations.
- ① Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
- Rails cannot be connected end to end.
- ① Running parallelism is the value measured after the rail is mounted (it is not the value measured before the rails are fastened with screws.).

#### **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 P.604.

		er		Block Dimensions								Guide Rail Dimensions													
	_		MX				L <sub>1</sub>					.,			Grease Fitting						Counterbored Holes				
	Ту	Туре		Н		W	Standard	МХ	В	B Sxl	L <sub>2</sub>	K		Cb	Mounting Holes	E	T <sub>1</sub>	H <sub>1</sub>	W <sub>1</sub>	W <sub>2</sub>	Ca	d <sub>1</sub> x d <sub>2</sub> x h	F	G	
모	1 Block SVR			24	100–1480 (160)	34	41	50.6	26	M4 x 7	25	20	7	0.85	M5 x P0.8	6	5	12.5	15	9.5	0.5	3.5 x 6 x 4.5	60	20	
Standard	SVRL SV2RL	CVODI	28	160-1960	42	47	56.6	32	M5 x 8	27.6	22.5	7.5	1	M6 x P0.75	13	6	15.5	20	11	0.6	6 x 9.5 x 8.5	60	20		
00	SVRLJ		Blank: None	33 (220)	48	59	68.6	35	M6 x 9	37	26.5	8	1	M6 x P0.75	13	6.8	18	23	12.5	0.8	7 x 11 x 9	60	20		
ck	1 Block SVW	SVW SV2W SVWL Provided	-MX: Provided	24	100–1480 (160)	52	41	50.6	41	4.5 (M5)	25	20	7	0.5	M5 x P0.8	6	5	12.5	15	18.5	0.5	3.5 x 6 x 4.5	60	20	
Wide Block			SV2WL			28	160-1960	59	47	56.6	49	5.5 (M6)	27.6	22.5	9	1	M6 x P0.75	13	6	15.5	20	19.5	0.6	6 x 9.5 x 8.5	60
M	SVWTL SV2WTL		33	(220)	73	59	68.6	60	7 (M8)	37	26.5	10	1	M6 x P0.75	13	6.8	18	23	25	0.8	7 x 11 x 9	60	20		

① L Dimension: Dimensions in () are for the minimum rail length of the 2-Block Type. ① S x ℓ Dimensions: Dimensions in () are for Wide Block Tapped Hole Type.



Part Number

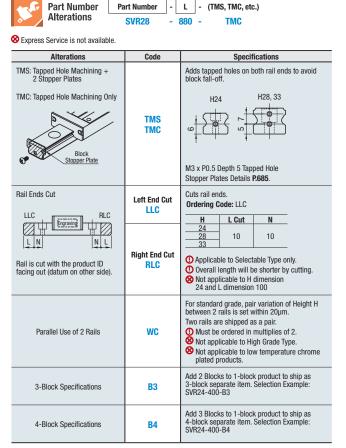
SVR-MX28 - 880 (With Lubrication Units) 880 (Low Temperature Black Chrome Plating)

- 880 (L Type Greased) 880 (G Type Greased)

Low Temperature Black Chrome Plating and various Grease types available as alternative (Except Blocks with Lubrication Units).

## **Linear Guides for Medium Load**

### Normal Clearance, continued



#### Selectable Shortest Rail Length

	· · · J ·			
Н	B3 (3-Block)	B4 (4-Block)		
24	280	340		
28	340	400		
33	340	400		

#### **Position of Grease Fitting**

(Reference plane on the front side)								
1 Block								
2 Blocks								
3 Blocks								
4 Blocks								

## **Preload & Accuracy Standards**

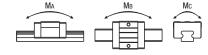
minar olcaranice Type						
Radial Clea	rance (µm)					
H24	-4-+2					
H28	-5-+2					
H33	-6-+3					



Dimension Precision	Standard Grade	High Grade		
Height H Tolerance	±100	±40		
Pair Variation of Height H		20	15	
Width W <sub>2</sub> Tolerance	Width W <sub>2</sub> Tolerance			
Dair Variation of Width W	H24, 28	20	15	
Pair Variation of Width W <sub>2</sub>	H33	30	15	
Running Parallelism of Plane C aga	ainst Plane A	Refer to		
Running Parallelism of Plane D ag	P.6	02		

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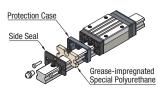
	Basic Lo	ad Rating	Allowable St	atic Moment	Mass				
Н	C (Dynamic)	Co (Static)	Ma, Mb	Mc	Bloc	Guide Rails			
	kN	kN	N•m	N•m	Standard	Wide	kg/m		
24	5.0	8.23	33	57	0.15	0.20	1.5		
28	7.2	12.1	58	135	0.20	0.25	2.4		
33	11.7	19.6	109	225	0.30	0.40	3.4		











Blocks with Lubrication Units MX provide long term maintenance-free operation. Reduces maintenance cost. Most suitable where the design does not allow access for additional lubrication. For details, see **P.599**.