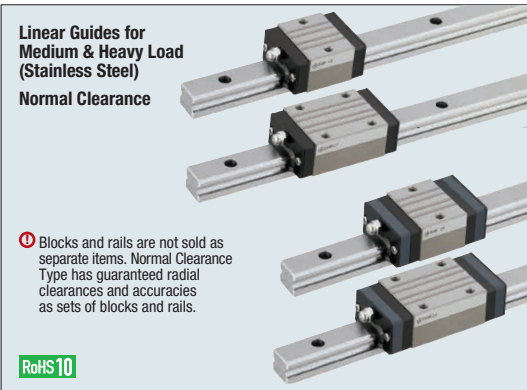


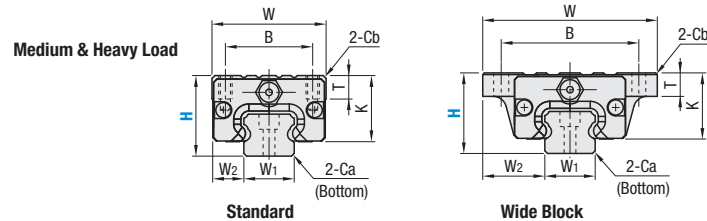
Linear Guides for Medium & Heavy Load (Stainless Steel)

Normal Clearance

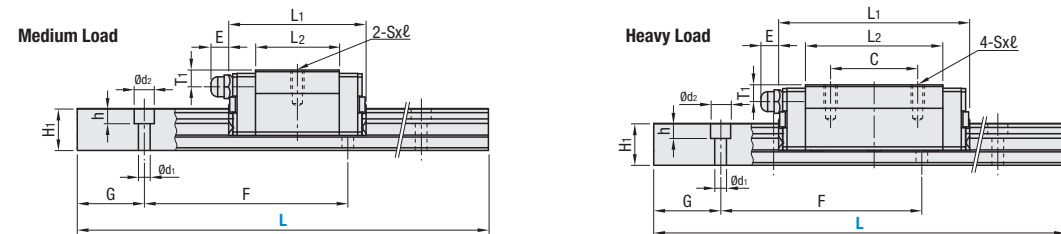
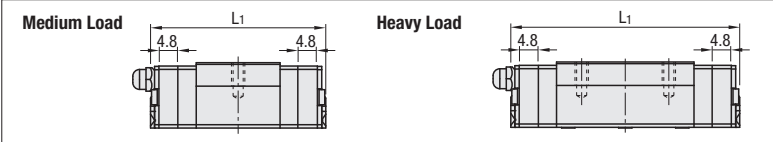


	Type		MX (Lubrication Units)	L Dimension	Number of Blocks	Material Hardness
	Medium Load	Heavy Load				
Standard	SSVR	SSXR	Blank: None -MX: Provided	Selectable	1	Stainless Steel (440C Stainless Steel Materials) 56 HRC min.
	SSV2R	SSX2R			2	
	SSVRL	SSXRL			1	
Wide Block	SSV2RL	SSX2RL		Selectable	2	
	SSVW	SSXW			1	
	SSV2W	SSX2W			2	
	SSVWL	SSXWL	Configurable	1		
	SSV2WL	SSX2WL		2		

Heat Resistant Temperature: -20~80°C



Dimension diagram of blocks with MX (Lubrication Units)



ⓘ For L Dimension Configurable Type, G dimensions differ from those shown in the table below. For details, see P.608.

Precautions for Use

- ⓘ Blocks are equipped with retainers (wire) to prevent balls from derailing. For blocks P.602.
- ⓘ 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.
- ⓘ 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.

	Part Number		H	L	Block Dimensions										Guide Rail Dimensions										
	Type	MX			W	L ₁		B	C	S x ℓ	L ₂	K	T	Cb	H ₁	W ₁	W ₂	Ca	Counterbored Holes		F	G			
					Standard	MX	E	T ₁	d ₁ x d ₂ x h																
Medium Load	1 Block SSVR	2 Blocks SSV2R	Blank: None	24	100~700 (160)	34 (52)	41	50.6	26 (41)	—	M4 x 7 (4.5)	25	20	7 (7)	0.85 (0.5)	M5 x P0.8	6	5	12.5	15	9.5 (18.5)	0.5	3.5 x 6 x 4.5	60	20
	SSVRL	SSV2RL		28	160~700 (220)	42 (59)	47	56.6	32 (49)	—	M5 x 8 (5.5)	27.6	22.5	7.5 (9)	1	M6 x P0.75	13	6	15.5	20	11 (19.5)	0.6	6 x 9.5 x 8.5	60	20
	SSVW	SSV2W		33	48 (73)	59	68.6	35 (60)	—	M6 x 9 (7)	37	26.5	8 (10)	1	M6 x P0.75	13	6.8	18	23	12.5 (25)	0.8	7 x 11 x 9	60	20	
Heavy Load	1 Block SSXR	2 Blocks SSX2R	-MX: Provided	24	100~700 (220)	34 (52)	57	66.6	26 (41)	26	M4 x 7 (4.5)	41	20	7 (7)	0.85 (0.5)	M5 x P0.8	6	5	12.5	15	9.5 (18.5)	0.5	3.5 x 6 x 4.5	60	20
	SSXRL	SSX2RL		28	160~700 (220)	42 (59)	67	76.6	32 (49)	32	M5 x 8 (5.5)	47.6	22.5	7.5 (9)	1	M6 x P0.75	13	6	15.5	20	11 (19.5)	0.6	6 x 9.5 x 8.5	60	20
	SSXW	SSX2W		33	160~700 (280)	48 (73)	83	92.6	35 (60)	35	M6 x 9 (7)	61	26.5	8 (10)	1	M6 x P0.75	13	6.8	18	23	12.5 (25)	0.8	7 x 11 x 9	60	20

ⓘ L Dimension: Dimensions in () are for the minimum rail length of the 2-Block Type. ⓘ W, B, S x ℓ, T, and W₂ Dimensions: Dimensions in () are for Wide Block Type.

Linear Guides for Medium & Heavy Load (Stainless Steel)

Normal Clearance, continued

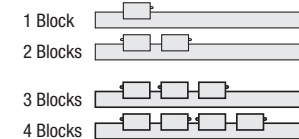
Part Number Example: SSXR28 - 575 (With Lubrication Units)
 SSXR28 - 575 (Low Temperature Black (Chrome Plating))
 SSXR28L - 575 (L Type Greased)
 SSXR28G - 575 (G Type Greased)

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

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

Position of Grease Fitting

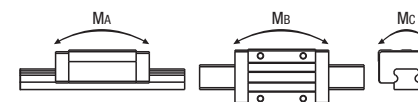
(Reference plane on the front side)



Selectable Shortest Rail Length

H	Medium Load		Heavy Load	
	B3 (3-Block)	B4 (4-Block)	B3 (3-Block)	B4 (4-Block)
24	280	340	340	400
28	340	400	400	460
33	340	400	400	520

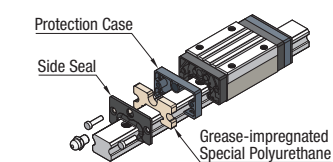
Blocks	H	Basic Load Rating		Allowable Static Moment		Mass		
		C (Dynamic) kN	C ₀ (Static) kN	M _A , M _B N·m	M _C N·m	Block kg		Guide Rail kg/m
						Standard	Wide	
Medium Load	24	5.0	8.23	33	57	0.15	0.20	1.5
	28	7.2	12.1	58	135	0.20	0.25	2.4
	33	11.7	19.6	109	225	0.30	0.40	3.4
Heavy Load	24	8.6	14.2	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



Preload & Accuracy Standards

Normal Clearance Type	Dimension Precision (μm)		Standard Grade
	Height H Tolerance	Height H Pair Variation	
H24	-4~+2		20
H28	-5~+2		
H33	-6~+3		30
	Width W ₂ Tolerance		
	Width W ₂ Pair Variation	H24, 28	20
		H33	30
	Running Parallelism of surf. C against surf. A		Refer to P.602
	Running Parallelism of surf. D against surf. B		

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 access for additional lubrication. For details, see P.599.