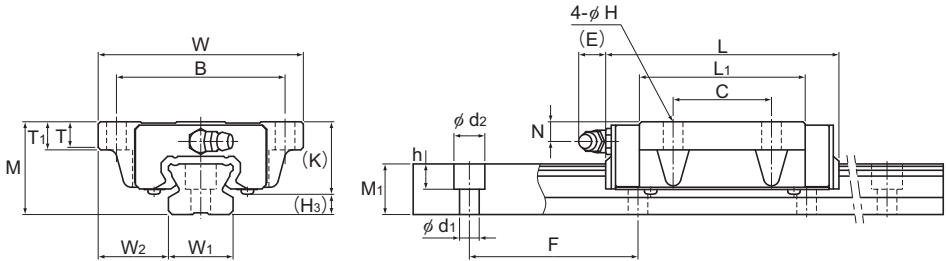


Models SR-M1TB and SR-M1SB



Model SR-M1TB

Model No.	Outer dimensions			LM block dimensions										Grease nipple	H ₃
	Height	Width	Length	B	C	H	L ₁	T	T ₁	K	N	E			
	M	W	L	B	C	H	L ₁	T	T ₁	K	N	E			
SR 15M1SB SR 15M1TB	24	52	40.4 57	41	— 26	4.5	22.9 39.5	6.1	7	19.5	6	5.5	PB1021B	4.5	
SR 20M1SB SR 20M1TB	28	59	47.3 66.2	49	— 32	5.5	27.8 46.7	8	9	22	6	12	B-M6F	6	
SR 25M1SB SR 25M1TB	33	73	59.2 83	60	— 35	7	35.2 59	9	10	26	7	12	B-M6F	7	
SR 30M1SB SR 30M1TB	42	90	67.9 96.8	72	— 40	9	40.4 69.3	8.7	10	32.5	8	12	B-M6F	9.5	
SR 35M1SB SR 35M1TB	48	100	77.6 111	82	— 50	9	45.7 79	11.2	13	36.5	8.5	12	B-M6F	11.5	

Model number coding

SR30 M1 W 2 UU C0 +1000L Y P T - II

Model number

Type of LM block

Contamination protection accessory symbol (*1)

LM rail length (in mm)

Applied to only 15 and 25

Symbol for LM rail jointed use

Symbol for No. of rails used on the same plane (*4)

Symbol for high temperature type LM Guide

No. of LM blocks used on the same rail

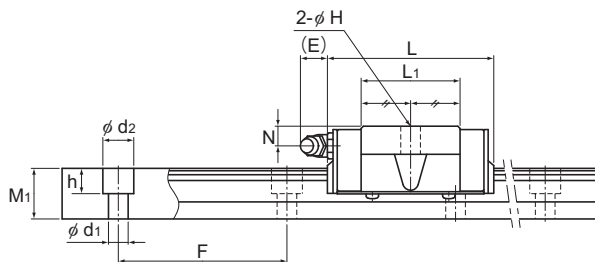
Radial clearance symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

Accuracy symbol (*3)

Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

(*1) See contamination protection accessory on **A1-543**. (*2) See **A1-74**. (*3) See **A1-79**. (*4) See **A1-13**.

Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)



Model SR-M1SB

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width W ₁ ±0.05	Height M ₁	Pitch F	Length* Max	d ₁ × d ₂ × h	C kN	C ₀ kN	M _A		M _B		M _C	LM block kg	LM rail kg/m	
							1 block	Double blocks	1 block	Double blocks	1 block			
15	18.5	12.5	60	3.5 × 6 × 4.5	1240	9.1 13.8	11.7 20.5	0.0344 0.0984	0.234 0.551	0.0215 0.0604	0.149 0.343	0.0694 0.122	0.12 0.2	1.2
20	19.5	15.5	60	6 × 9.5 × 8.5	1500	13.4 19.2	17.2 28.6	0.064 0.167	0.396 0.887	0.0397 0.102	0.25 0.55	0.135 0.224	0.2 0.3	2.1
23	25	18	60	7 × 11 × 9	1500	21.6 30.9	26.8 44.7	0.125 0.326	0.773 1.74	0.0774 0.2	0.488 1.08	0.245 0.408	0.3 0.4	2.7
28	31	23	80	7 × 11 × 9	1500	29.5 45.6	34.4 64.4	0.173 0.564	1.15 2.92	0.108 0.346	0.735 1.8	0.376 0.703	0.5 0.8	4.3
34	33	27.5	80	9 × 14 × 12	1500	40.9 60.4	46.7 81.8	0.275 0.785	1.79 4.27	0.171 0.482	1.14 2.65	0.615 1.08	0.8 1.2	6.4

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-374**)
 Static permissible moment* 1 block: the static permissible moment with one LM block

Double blocks: static permissible moment when two LM blocks are in close contact with each other
 Total block length L : The total block length L shown in the table is the length with the dust proof parts, code UU or SS.

Note2) For models SR15 and 25, two types of rails with different mounting hole dimensions are offered (see Table 1).
 When replacing this model with model SSR, pay attention to the mounting hole dimension of the LM rail.
 Contact THK for details.

Note3) The basic load rating in the dimension table is for a load in the radial direction. Use Table 7 on **A1-61** to calculate the load rating for loads in the reverse radial direction or lateral direction.

Table 1: Rail Mounting Hole Dimensions

Model No.	Standard rail	Semi-standard rail
SR 15	For M3 (no symbol)	For M4 (symbol Y)
SR 25	For M6 (symbol Y)	For M5 (no symbol)