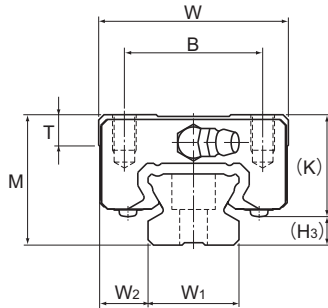


# Models SR-W, SR-WM, SR-V, SR-VM, and SR-T



Model No.	Outer dimensions			LM block dimensions										H <sub>3</sub>
	Height	Width	Length	B	C	S × ℓ	L <sub>1</sub>	T	K	N	E	Grease nipple		
	M	W	L	B	C	S × ℓ	L <sub>1</sub>	T	K	N	E		H <sub>3</sub>	
SR 15V/VM SR 15W/WM	24	34	40.4 57	26	— 26	M4 × 7	22.9 39.5	5.7	18.2	6	5.5	PB1021B	5.8	
SR 20V/VM SR 20W/WM	28	42	47.3 66.2	32	— 32	M5 × 8	27.8 46.7	7.2	22	6	12	B-M6F	6	
SR 25V/VM SR 25W/WM	33	48	59.2 83	35	— 35	M6 × 9	35.2 59	7.7	26	7	12	B-M6F	7	
SR 30V/VM SR 30W/WM	42	60	67.9 96.8	40	— 40	M8 × 12	40.4 69.3	8.5	32.5	8	12	B-M6F	9.5	
SR 35V/VM SR 35W/WM	48	70	77.6 111	50	— 50	M8 × 12	45.7 79	12.5	36.5	8.5	12	B-M6F	11.5	
SR 45W	60	86	126	60	60	M10 × 15	90.5	15	47.5	11.5	16	B-PT1/8	12.5	
SR 55W	68	100	156	75	75	M12 × 20	117	16.7	54.5	12	16	B-PT1/8	13.5	
SR 70T	85	126	194.6	90	90	M16 × 25	147.6	24.5	70	12	16	B-PT1/8	15	
SR 85T	110	156	180	100	80	M18 × 30	130	25.5	91.5	27	12	A-PT1/8	18.5	
SR 100T	120	178	200	120	100	M20 × 35	150	29.5	101	32	12	A-PT1/8	19	
SR 120T	110	205	235	160	120	M20 × 35	180	24	95	14	13.5	B-PT1/4	15	
SR 150T	135	250	280	200	160	M20 × 35	215	24	113	17	13.5	B-PT1/4	22	

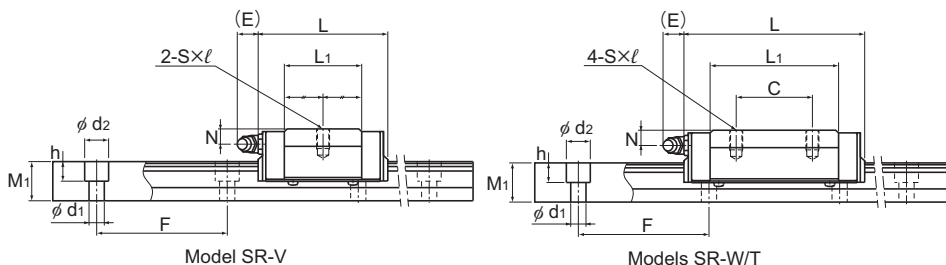
## Model number coding

**SR25 W 2 UU C0 M +1240L Y P T M - II**

Model number	Type of LM block	Contamination protection accessory symbol (*1)	Stainless steel LM block	LM rail length (in mm)	Applied to only 15 and 25	Stainless steel LM rail	Symbol for No. of rails used on the same plane (*4)
	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)	Symbol for LM rail jointed use	

(\*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.)



Unit: mm

	LM rail dimensions					Basic load rating			Static permissible moment kN·m*					Mass	
	Width $W_1$ ±0.05	Height $W_2$	Pitch $M_1$	Pitch $F$	Length* $d_1 \times d_2 \times h$ Max	$C$ 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	9.5	12.5	60	3.5×6×4.5	(1240) 3000	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	11	15.5	60	6×9.5×8.5	(1480) 3000	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	12.5	18	60	7×11×9	(2020) 3000	21.6 30.9	26.8 44.7	0.125 0.326	0.773 1.74	0.074 0.272	0.488 1.08	0.245 0.408	0.3 0.4	2.7	
28	16	23	80	7×11×9	(2520) 3000	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	18	27.5	80	9×14×12	(2520) 3000	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	
45	20.5	35.5	105	11×17.5×14	3000	80.4	107	1.17	6.34	0.721	3.94	1.89	2.2	11.3	
48	26	38	120	14×20×17	3000	136	179	2.61	13	1.6	8.05	3.33	3.6	12.8	
70	28	47	150	18×26×22	3000	226	282	5.03	25.7	3.09	15.9	7.47	7	22.8	
85	35.5	65.5	180	18×26×22	3000	120	224	2.54	15.1	1.25	7.47	5.74	10.1	34.9	
100	39	70.3	210	22×32×25	3000	148	283	3.95	20.9	1.95	10.3	8.55	14.1	46.4	
114	45.5	65	230	26×39×30	3000	279	377	5.83	32.9	2.87	16.2	13.7	—	—	
144	53	77	250	33×48×36	3000	411	537	9.98	55.8	4.92	27.5	24.3	—	—	

Note1) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See [A1-220](#).)  
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.  
If other contamination protection accessories or lubricant equipment are installed, the total block length will increase.  
(See [A1-517](#) or [A1-539](#))

The M in the model number symbol indicates that the LM block, LM rail and balls are made of stainless steel.  
The stainless steel provides excellent corrosion and environmental resistance.  
Models SR85T, 100T, 120T and 150T are built to order.

Note2) Models SR85T and 100T include a grease nipple on the side face of the LM block. Contact THK for details.  
Note3) 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)