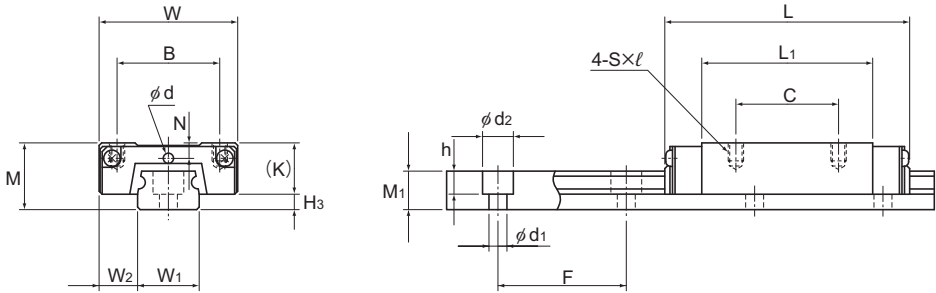


# Models RSR-M1K, RSR-M1V and RSR-M1N



Models RSR9M1K/9M1N and RSR12M1V/M1N

Model No.	Outer dimensions			LM block dimensions										H <sub>3</sub>
	Height M	Width W	Length L	B	C	S × l	L <sub>1</sub>	T	K	N	E	Greasing hole d	Grease nipple	
RSR 9M1K RSR 9M1N	10	20	30.8 41	15	10 16	M3 × 3	19.8 29.8	—	7.8	—	—	—	—	2.2
RSR 12M1V RSR 12M1N	13	27	35 47.7	20	15 20	M3 × 3.5	20.6 33.3	—	10	3	—	2	—	3
RSR 15M1V RSR 15M1N	16	32	43 61	25	20 25	M3 × 4	25.7 43.5	—	12	3.5	3.6 3.7	—	PB107	4
RSR 20M1V RSR 20M1N	25	46	66.5 86.3	38	38	M4 × 6	45.2 65	5.7	17.5	5	6.4	—	A-M6F	7.5

## Model number coding

**2 RSR15 M1 V UU C1 +230L P T - II**

Model number

Type of LM block

Contamination protection accessory symbol (\*1)

LM rail length (in mm)

Symbol for LM rail jointed use

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

No. of LM blocks used on the same rail

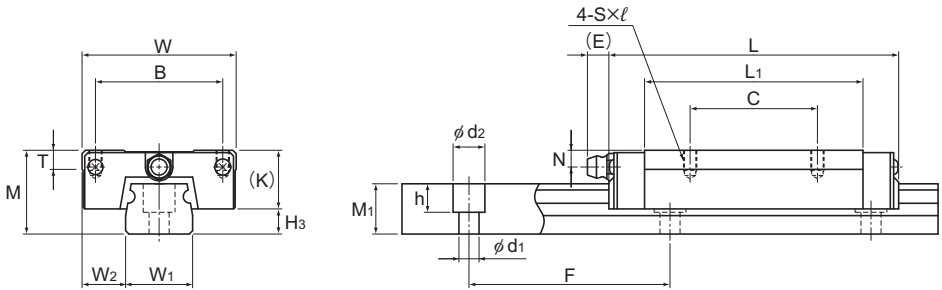
Symbol for high temperature type LM Guide

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

Accuracy symbol (\*3)  
Normal grade (No Symbol)/High accuracy grade (H)  
Precision grade (P)

(\*1) See contamination protection accessory on **A1-510**. (\*2) See **A1-71**. (\*3) See **A1-83**. (\*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.)



Models RSR15 and 20M1V/M1N

Unit: mm

	LM rail dimensions						Basic load rating			Static permissible moment N·m*						Mass	
	Width		Height		Pitch	Length* Max	C kN	C <sub>0</sub> kN	M <sub>A</sub>		M <sub>B</sub>		M <sub>C</sub>	LM block kg	LM rail kg/m		
	W <sub>1</sub>	W <sub>2</sub>	M <sub>1</sub>	F	d <sub>1</sub> × d <sub>2</sub> × h				1 block	Double blocks	1 block	Double blocks	1 block				
	W <sub>1</sub>	W <sub>2</sub>	M <sub>1</sub>	F	d <sub>1</sub> × d <sub>2</sub> × h	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m		
9	<sup>0</sup> <sub>-0.02</sub>	5.5	5.5	20	3.5 × 6 × 3.3	1000	1.47 2.6	2.25 3.96	7.34 18.4	43.3 97	7.34 18.4	43.3 97	10.4 18.4	0.018 0.027	0.32		
12	<sup>0</sup> <sub>-0.025</sub>	7.5	7.5	25	3.5 × 6 × 4.5	1340	2.65 4.3	4.02 6.65	11.4 28.9	74.9 163	10.1 25.5	67.7 145	19.2 31.8	0.037 0.055	0.58		
15	<sup>0</sup> <sub>-0.025</sub>	8.5	9.5	40	3.5 × 6 × 4.5	1430	4.41 7.16	6.57 10.7	23.7 63.1	149 330	21.1 55.6	135 293	38.8 63	0.069 0.093	0.925		
20	<sup>0</sup> <sub>-0.03</sub>	13	15	60	6 × 9.5 × 8.5	1800	8.82 14.2	12.7 20.6	75.4 171	435 897	66.7 151	389 795	96.6 157	0.245 0.337	1.95		

Note) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-388**.)

Static permissible moment\*: 1 block: static permissible moment value with 1 LM block

Double blocks: static permissible moment value with 2 blocks closely contacting with each other