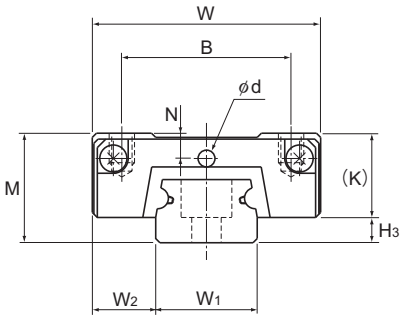
Models RSH-M, RSH-KM and RSH-VM



Model No.	Outer dimensions			LM block dimensions							
	Height	Width	Length							Greasing hole	
	M	W	L	B	C	S×ℓ	L_1	K	N	d	H_3
RSH 7M	8	17	23.4	12	8	M2×2.5	13.4	6.5	1.7	1.2	1.5
RSH 9KM	10	20	30.8	15	10	M3×3	19.8	7.8	2.4	1.5	2.2
RSH 12VM	13	27	35	20	15	M3×3.5	20.6	10	3	2	3

Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment.

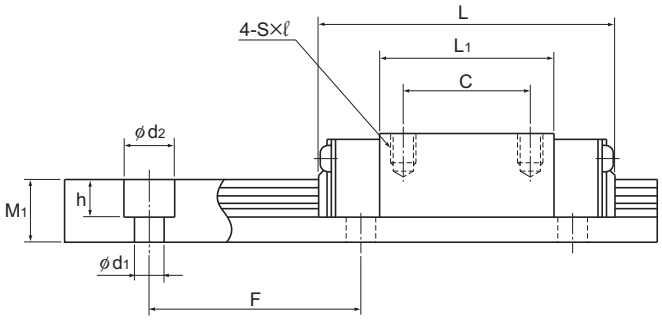
Model number coding

2 RSH9K M UU C1 +100L P M -Ⅱ

- 2: No. of LM blocks used on the same rail
- RSH9K: Model number
- M: Contamination protection accessory symbol (*1)
- UU: Radial clearance symbol (*2) Normal (No symbol) Light preload (C1)
- C1: Radial clearance symbol (*2) Normal (No symbol) Light preload (C1)
- +100L: LM rail length (in mm)
- P: Accuracy symbol (*3) Normal grade (No Symbol) High accuracy grade (H) Precision grade (P)
- M: Stainless steel LM rail
- -Ⅱ: Symbol for No. of rails used on the same plane (*4)

(*1) See contamination protection accessory on A1-380. (*2) See A1-94. (*3) See A1-106. (*4) See A1-37.

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 N-m*					Mass	
	Width		Height	Pitch		Length*	C	C_0	M_A		M_B		M_C	LM block	LM rail
	W_1	W_2	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
	7 $^{0}_{-0.02}$	5	4.7	15	2.4×4.2×2.3	300	0.88	1.37	2.93	20.8	2.93	20.8	5	0.01	0.23
	9 $^{0}_{-0.02}$	5.5	5.5	20	3.5×6×3.3	1000	1.47	2.25	7.34	43.3	7.34	43.3	10.4	0.018	0.32
	12 $^{0}_{-0.025}$	7.5	7.5	25	3.5×6×4.5	1340	2.65	4.02	11.4	74.9	10.1	67.7	19.2	0.037	0.58

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See B1-152.)
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