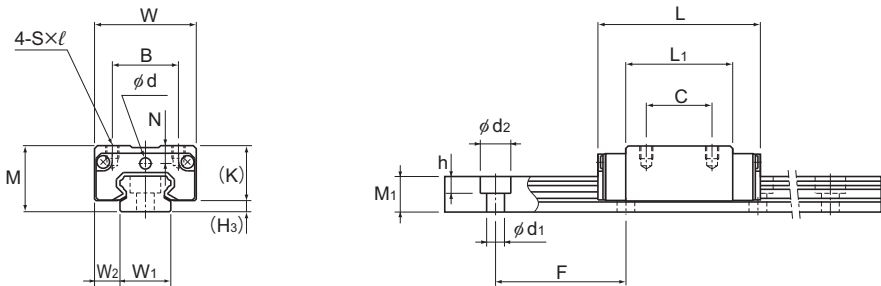


# Model HSR-RM



Models HSR8RM and 10RM

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	Lubrication hole d	Grease nipple	
	M	W	L											
HSR 8RM	11	16	24	10	10	M2×2.5	15	—	8.9	2.6	—	2.2	—	2.1
HSR 10RM	13	20	31	13	12	M2.6×2.5	20.1	—	10.8	3.5	—	2.5	—	2.2
HSR 12RM	20	27	45	15	15	M4×4.5	30.5	6	16.9	5.2	4	—	PB107	3.1

## Model number coding

**HSR12 R 2 UU C1 M +670L H T M -II**

Model number

Type of LM block

Contamination protection accessory symbol (\*1)

Stainless steel LM block

LM rail length (in mm)

Stainless steel LM rail

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

No. of LM blocks used on the same rail

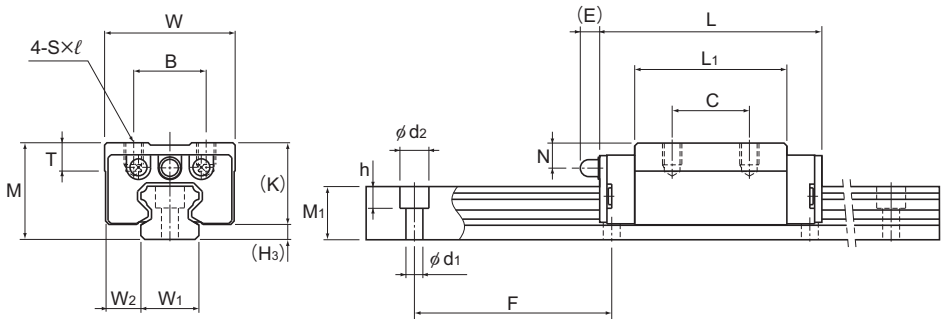
Radial clearance symbol (\*2)  
Normal (No symbol)  
Light preload (C1)

Symbol for LM rail jointed use

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

(\*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 HSR12RM

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width	Height	Pitch		Length*	C	C <sub>0</sub>	M <sub>A</sub>		M <sub>B</sub>		M <sub>C</sub>	LM block	LM rail	
W <sub>1</sub> ±0.05	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
8	4	6	20	2.4 × 4.2 × 2.3	(975)	1.08	2.16	0.00492	0.0319	0.00492	0.0319	0.00727	0.012	0.3
10	5	7	25	3.5 × 6 × 3.3	(995)	1.96	3.82	0.0123	0.0716	0.0123	0.0716	0.0162	0.025	0.45
12	7.5	11	40	3.5 × 6 × 4.5	(1240)	4.7	8.53	0.0409	0.228	0.0409	0.228	0.0445	0.08	0.83

Note) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-204**.)

Static permissible moment\* 1 block: the static permissible moment with one LM block

Overall block length dimension (L) Double blocks: static permissible moment when two LM blocks are in close contact with each other  
The overall block lengths (L) in the dimension table are for when the contamination protection accessory symbol is UU or SS.  
The overall block length (L) will increase if another contamination protection accessory or lubricator is attached.

(See **A1-517** or **A1-539**)

An "M" in the model number indicates the material of the LM block, LM rail, or balls are stainless steel.  
Stainless steel products have superior corrosion resistance and environmental resistance.