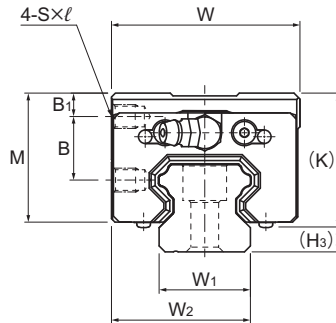


# Model HSR-M1YR



Model No.	Outer dimensions			LM block dimensions									Grease nipple	H <sub>3</sub>
	Height	Width	Length	B <sub>1</sub>	B	C	S × l	L <sub>1</sub>	K	N	E			
	M	W	L	B <sub>1</sub>	B	C	S × l	L <sub>1</sub>	K	N	E		H <sub>3</sub>	
HSR 15M1YR	28	33.5	59.6	4.3	11.5	18	M4 × 5	38.8	23.3	8.3	5.5	PB1021B	4.7	
HSR 20M1YR	30	43.5	76	4	11.5	25	M5 × 6	50.8	26	5	12	B-M6F	4	
HSR 25M1YR	40	47.5	83.9	6	16	30	M6 × 6	59.5	34.5	10	12	B-M6F	5.5	
HSR 30M1YR	45	59.5	98.8	8	16	40	M6 × 9	70.4	38	10	12	B-M6F	7	
HSR 35M1YR	55	69.5	112	8	23	43	M8 × 10	80.4	47.5	15	12	B-M6F	7.5	

Note) The length L of the high temperature type LM Guide model HSR-YR is longer than normal type of model HSR-YR. (Dimension L<sub>1</sub> is the same.)

## Model number coding

**HSR25 M1 YR 2 UU C0 +1200L 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)

Symbol for high temperature type LM Guide

No. of LM blocks used on the same rail

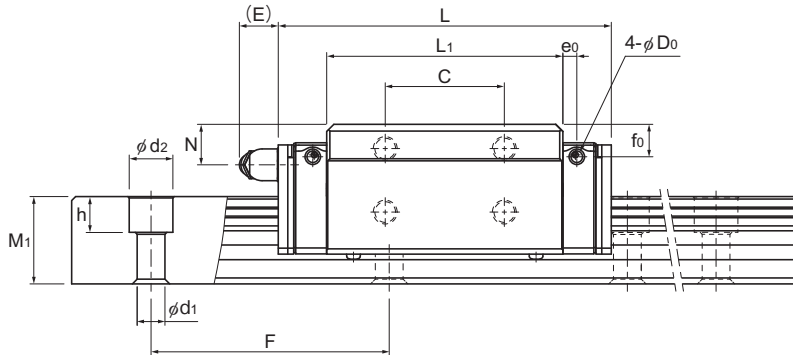
Radial clearance symbol (\*2)  
Normal (No symbol)  
Light preload (C1)  
Medium preload (C0)

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 **A1-532**. (\*2) See **A1-73**. (\*3) See **A1-78**. (\*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 $\text{kN}\cdot\text{m}^*$					Mass	
	Width		Height	Pitch		Length*	C	$C_0$	$M_A$		$M_B$		$M_C$	LM block	LM rail
	$W_1$ $\pm 0.05$	$W_2$	$M_1$	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
	15	24	15	60	$4.5 \times 7.5 \times 5.3$	1240	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.2	1.5
	20	31.5	18	60	$6 \times 9.5 \times 8.5$	1480	19.8	27.4	0.218	1.2	0.218	1.2	0.235	0.35	2.3
	23	35	22	60	$7 \times 11 \times 9$	1500	27.6	36.4	0.324	1.8	0.324	1.8	0.366	0.59	3.3
	28	43.5	26	80	$9 \times 14 \times 12$	1500	40.5	53.7	0.599	3.1	0.599	3.1	0.652	1.3	4.8
	34	51.5	29	80	$9 \times 14 \times 12$	1500	53.9	70.2	0.895	4.51	0.895	4.51	1.05	1.6	6.6

Note) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-368**.)

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.