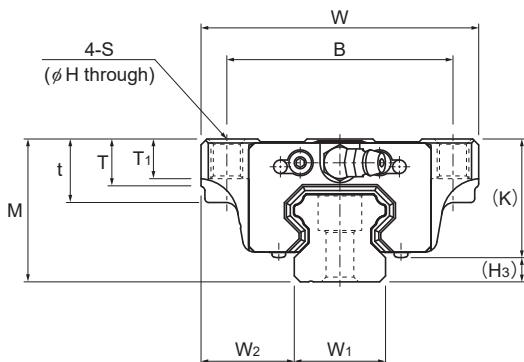


Models HSR-M1C and HSR-M1LC



Model No.	Outer dimensions			LM block dimensions												Pilot hole for side nipple			
	Height	Width	Length	B	C	S	H	L ₁	t	T	T ₁	K	N	E	Grease nipple	e ₀	f ₀	D ₀	H ₃
	M	W	L																
HSR 15M1C HSR 15M1LC	24	47	59.6 77.6	38	30	M5	4.4	38.8 56.8	11	7	7	19.3	4.3	5.5	PB1021B	3.2	3.9	3	4.7
HSR 20M1C HSR 20M1LC	30	63	76 92	53	40	M6	5.4	50.8 66.8	10	9.5	10	26	5	12	B-M6F	3.1	3.4	3	4
HSR 25M1C HSR 25M1LC	36	70	83.9 103	57	45	M8	6.8	59.5 78.6	16	11	10	30.5	6	12	B-M6F	3.5	4	3	5.5
HSR 30M1C HSR 30M1LC	42	90	98.8 121.4	72	52	M10	8.5	70.4 93	18	9	10	35	7	12	B-M6F	5.2	6.2	5.2	7
HSR 35M1C HSR 35M1LC	48	100	112 137.4	82	62	M10	8.5	80.4 105.8	21	12	13	40.5	8	12	B-M6F	5.5	5.6	5.2	7.5

Note) The length L of the high-temperature type LM Guide model HSR is longer than the normal type of model HSR. (Dimension L₁ is the same.)

Model number coding

HSR25 M1 C 2 UU C1 +1240L P T -II

Model number

Type of LM block

Contamination protection accessory symbol

LM rail length (in mm)

Symbol for LM rail jointed use

Symbol for No. of rails used on the same plane

Symbol for high temperature type LM Guide

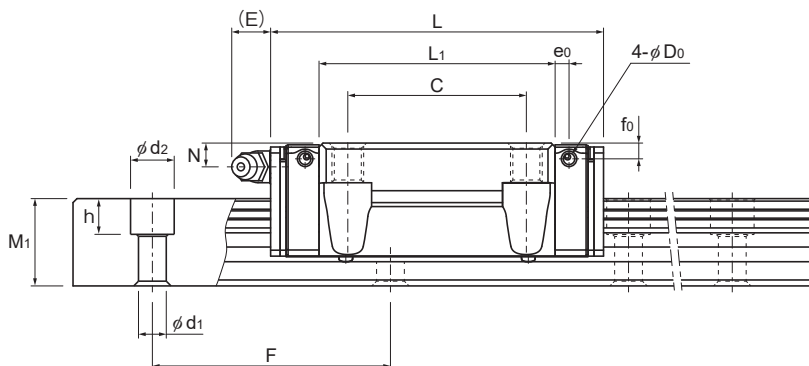
No. of LM blocks used on the same rail

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

Accuracy symbol
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

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.)

See **A1-545** for contamination protection accessories, see **A1-74** for radial clearance symbol. See **A1-79** for accuracy symbol. See **A1-13** for symbol for number of rails used on the same plane.



Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width W_1 ± 0.05	Width W_2	Height M_1	Pitch F	Length* $d_1 \times d_2 \times h$	Length* 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	16	15	60	4.5×7.5×5.3	1240	10.9 14.2	15.7 22.9	0.0945 0.194	0.527 0.984	0.0945 0.194	0.527 0.984	0.0998 0.145	0.23 0.32	1.5
20	21.5	18	60	6×9.5×8.5	1480	19.8 23.9	27.4 35.8	0.218 0.363	1.2 1.87	0.218 0.363	1.2 1.87	0.235 0.307	0.42 0.54	2.3
23	23.5	22	60	7×11×9	1500	27.6 35.2	36.4 51.6	0.324 0.627	1.8 3.04	0.324 0.627	1.8 3.04	0.366 0.518	0.68 0.84	3.3
28	31	26	80	9×14×12	1500	40.5 48.9	53.7 70.2	0.599 0.995	3.1 4.89	0.599 0.995	3.1 4.89	0.652 0.852	1.25 1.45	4.8
34	33	29	80	9×14×12	1500	53.9 65	70.2 91.7	0.895 1.49	4.51 7.13	0.895 1.49	4.51 7.13	1.05 1.37	1.81 2.21	6.6

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-366**.)

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.