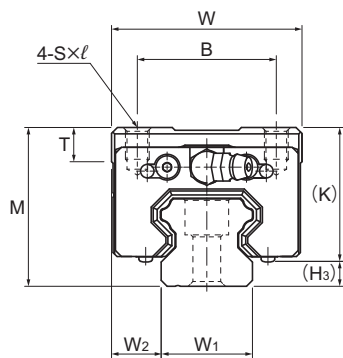


Models HSR-M1R and HSR-M1LR



Model No.	Outer dimensions			LM block dimensions										Pilot hole for side nipple			H ₃
	Height	Width	Length ¹														
	M	W	L	B	C	S × ℓ	L ₁	T	K	N	E	Grease nipple	e ₀	f ₀	D ₀ ²	H ₃	
HSR 15M1R HSR 15M1LR	28	34	59.6 77.6	26	26 34	M4 × 5	38.8 56.8	6	23.3	8.3	5.5	PB1021B	3.2	7.9	3	4.7	
HSR 20M1R HSR 20M1LR	30	44	76 92	32	36 50	M5 × 6	50.8 66.8	8	26	5	12	B-M6F	3.1	3.4	3	4	
HSR 25M1R HSR 25M1LR	40	48	83.9 103	35	35 50	M6 × 8	59.5 78.6	8	34.5	10	12	B-M6F	3.5	8	3	5.5	
HSR 30M1R HSR 30M1LR	45	60	98.8 121.4	40	40 60	M8 × 10	70.4 93	8	38	10	12	B-M6F	5.2	9.2	5.2	7	
HSR 35M1R HSR 35M1LR	55	70	112 137.4	50	50 72	M8 × 12	80.4 105.8	10	47.5	15	12	B-M6F	5.5	12.6	5.2	7.5	

Model number coding

HSR35 M1 R 2 UU C0 +1080L P T - II

Model number

Type of LM block

Contamination protection accessory symbol

LM rail length (in mm)

Symbol for LM rail jointed use

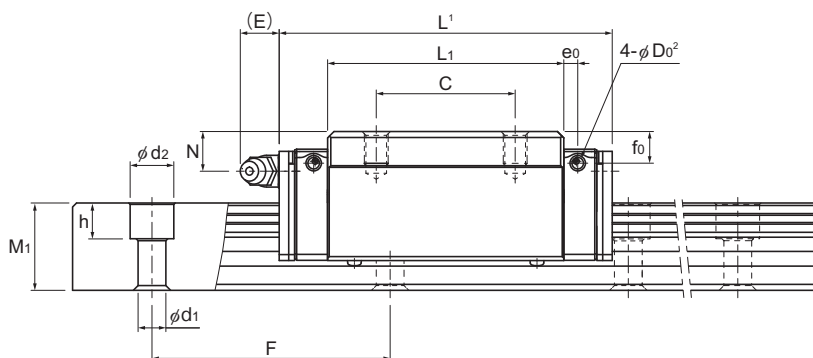
Symbol for No. of rails used on the same plane

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)



Unit: mm

	LM rail dimensions						Basic load rating		Static permissible moment $\text{kN}\cdot\text{m}^4$						Mass	
	Width		Height	Pitch		Length ³	C	C ₀	M_A		M_B		M_C		LM block	LM rail
	W_1 ± 0.05	W_2	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	2 blocks	1 block	2 blocks	1 block		kg	kg/m
	15	9.5	15	60	$4.5 \times 7.5 \times 5.3$	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		0.21 0.29	1.5
	20	12	18	60	$6 \times 9.5 \times 8.5$	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		0.32 0.42	2.3
	23	12.5	22	60	$7 \times 11 \times 9$	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		0.63 0.76	3.3
	28	16	26	80	$9 \times 14 \times 12$	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		1.05 1.25	4.8
	34	18	29	80	$9 \times 14 \times 12$	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		1.71 2.21	6.6