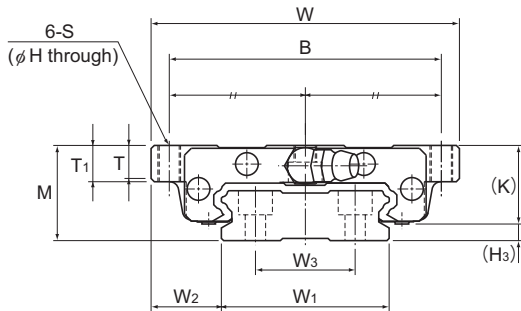


Models HRW-CA and HRW-CAM



Model No.	Outer dimensions			LM block dimensions											H ₃
	Height	Width	Length ¹											Grease nipple	
	M	W	L	B	C	H	S	L ₁	T	T ₁	K	N	E		
HRW 17CA HRW 17CAM	17	60	50.8	53	26	3.3	M4	33.6	5.5	6	14.5	4	2	PB107	2.5
HRW 21CA HRW 21CAM	21	68	58.8	60	29	4.4	M5	40	7.3	8	18	4.5	12	B-M6F	3
HRW 27CA HRW 27CAM	27	80	72.8	70	40	5.3	M6	51.8	9.5	10	24	6	12	B-M6F	3
HRW 35CA HRW 35CAM	35	120	106.6	107	60	6.8	M8	77.6	13	14	31	8	12	B-M6F	4
HRW 50CA	50	162	140.5	144	80	8.6	M10	103.5	16.5	18	46.6	14	16	B-PT1/8	3.4
HRW 60CA	60	200	158.9	180	80	10.5	M12	117.5	23.5	25	53.5	15	16	B-PT1/8	6.5

Model number coding

HRW35 CA 2 UU C1 M +1000L P T M

Model
number

Type of
LM block

Contamination
protection
accessory
symbol

Stainless steel
LM block

LM rail length
(in mm)

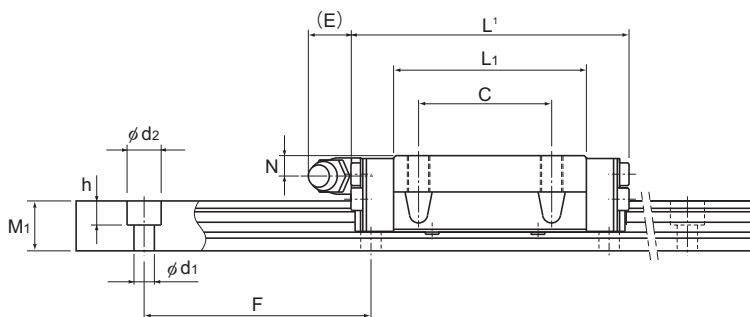
Symbol
for LM rail
jointed use

Stainless steel
LM rail

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 $\text{kN} \cdot \text{m}^{-3}$						Mass	
	Width			Height	Pitch		Length ²	C	C ₀	M _A		M _B		M _C		LM block	LM rail
	W_1 ± 0.05	W_2	W_3	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
	33	13.5	18	9	40	$4.5 \times 7.5 \times 5.3$	1900 (800)	5.53	9.1	0.0464	0.272	0.0464	0.272	0.144		0.15	2.1
	37	15.5	22	11	50	$4.5 \times 7.5 \times 5.3$	3000 (1000)	8.02	12.9	0.0784	0.445	0.0784	0.445	0.219		0.25	2.9
	42	19	24	15	60	$4.5 \times 7.5 \times 5.3$	3000 (1200)	14.2	21.6	0.166	0.923	0.166	0.923	0.423		0.5	4.3
	69	25.5	40	19	80	$7 \times 11 \times 9$	3000 (2120)	33.8	48.6	0.559	3.03	0.559	3.03	1.59		1.4	9.9
	90	36	60	24	80	$9 \times 14 \times 12$	3000	62.4	86.3	1.32	7.08	1.32	7.08	3.67		4	14.6
	120	40	80	31	105	$11 \times 17.5 \times 14$	3000	80.3	109	1.88	10.1	1.88	10.1	6.17		5.7	27.8