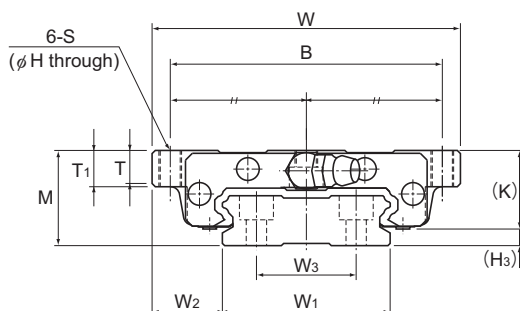


Models HRW-CA and HRW-CAM



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

No. of LM blocks
used on the same rail

Stainless steel
LM block

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

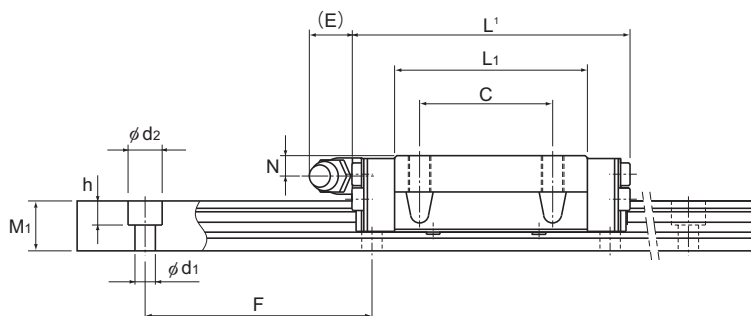
LM rail length
(in mm)

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

Symbol
for LM rail
jointed use

Stainless steel
LM rail

Notes: See contamination protection accessories on **A1-547**. See **A1-74** for radial clearance symbol. See **A1-79** for accuracy symbol.



Unit: mm

	LM rail dimensions							Basic load rating		Static permissible moment kN·m ³					Mass	
	Width			Height	Pitch		Length ²	C	C ₀	M _A		M _B		M _C	LM block	LM rail
	W ₁	W ₂	W ₃	M ₁	F	d ₁ × d ₂ × h	Max	kN	kN	1	2	1	2	1	kg	kg/m
	±0.05									block	blocks	block	blocks	block		
	33	13.5	18	9	40	4.5×7.5×5.3	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	4.5×7.5×5.3	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	4.5×7.5×5.3	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	7×11×9	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	9×14×12	3000	62.4	86.3	1.32	7.08	1.32	7.08	3.67	4	14.6
	120	40	80	31	105	11×17.5×14	3000	80.3	109	1.88	10.1	1.88	10.1	6.17	5.7	27.8

¹ Length L shown in the table is the length with the contamination protection accessories, code UU or SS.
If other contamination protection accessories or lubricant equipment are installed, the total block length will increase. (See **A 1-521** or **A1-543**)

² The maximum length indicates the standard maximum length of an LM rail. (See **A1-256**.)

³ Static permissible moment 1 block: the static permissible moment with one LM block
 2 blocks: the static permissible moment with two LM blocks in close contact with each other

Notes: The M in the model number symbol indicates that the LM block, LM rail and balls are made of stainless steel. The stainless steel provides excellent corrosion and environmental resistance.