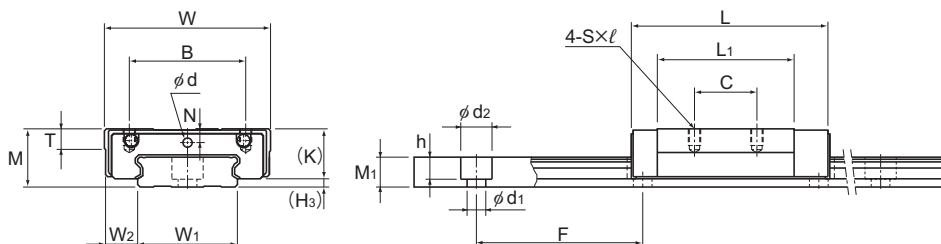


Models HRW-CR, HRW-CRM, and HRW-LRM



Models HRW12 and 14LRM

Model No.	Outer dimensions			LM block dimensions										Grease nipple	H ₃
	Height	Width	Length	B	C	S × ℓ	L ₁	T	K	N	E	Lubrication hole			
	M	W	L	B	C	S × ℓ	L ₁	T	K	N	E	d			
HRW 12LRM	12	30	37	21	12	M3 × 3.5	27	4	10	2.8	—	2.2	—	2	
HRW 14LRM	14	40	45.5	28	15	M3 × 4	32.9	5	12	3.3	—	2.2	—	2	
HRW 17CR HRW 17CRM	17	50	50.8	29	15	M4 × 5	33.6	6	14.5	4	2	—	PB107	2.5	
HRW 21CR HRW 21CRM	21	54	58.8	31	19	M5 × 6	40	8	18	4.5	12	—	B-M6F	3	
HRW 27CR HRW 27CRM	27	62	72.8	46	32	M6 × 6	51.8	10	24	6	12	—	B-M6F	3	
HRW 35CR HRW 35CRM	35	100	106.6	76	50	M8 × 8	77.6	14	31	8	12	—	B-M6F	4	
HRW 50 CR	50	130	140.5	100	65	M10 × 15	103.5	18	46.6	14	16	—	B-PT1/8	3.4	

Model number coding

HRW27 CR 2 UU C1 M +820L P T M

Model number

Type of LM block

Contamination protection accessory symbol (*1)

Stainless steel LM block

LM rail length (in mm)

Symbol for LM rail jointed use

Stainless steel LM rail

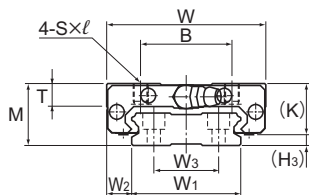
No. of LM blocks used on the same rail

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

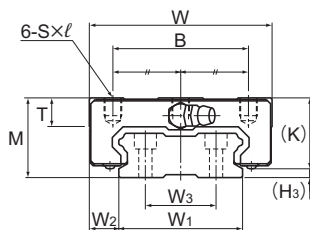
Accuracy symbol (*3)

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

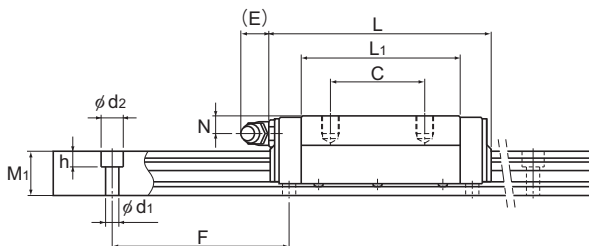
(*1) See contamination protection accessory on **A1-543**. (*2) See **A1-74**. (*3) See **A1-79**.



Models HRW17 and 21CR/CRM



Models HRW27, 35CR/CRM, and HRW50CR



Unit: mm

LM rail dimensions							Basic load rating		Static permissible moment kN·m*					Mass	
Width W ₁ ±0.05	W ₂	W ₃	Height/Pitch		Length* Max	C kN	C ₀ kN	M _a		M _b		M _c	LM block kg	LM rail kg/m	
			M ₁	F				d ₁ × d ₂ × h	1 block	Double blocks	1 block	Double blocks			1 block
18	6	—	6.5	40	4.5 × 8 × 4.5 (1000)	3.29	7.16	0.0262	0.138	0.013	0.069	0.051	0.045	0.79	
24	8	—	7.2	40	4.5 × 7.5 × 5.3 (1430)	5.38	11.4	0.0499	0.273	0.025	0.137	0.112	0.08	1.2	
33	8.5	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	0.12	2.1	
37	8.5	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	0.19	2.9	
42	10	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	0.37	4.3	
69	15.5	40	19	80	7 × 11 × 9 3000 (2120)	33.8	48.6	0.559	3.03	0.559	3.03	1.59	1.2	9.9	
90	20	60	24	80	9 × 14 × 12 3000	62.4	86.3	1.32	7.08	1.32	7.08	3.67	3.2	14.6	

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-250**.)

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. If other contamination protection accessories or lubricant equipment are installed, the total block length will increase.

(See **A1-517** or **A1-539**)

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.

Note2) The basic load rating in the dimension table is for a load in the radial direction. Use Table 7 on **A1-61** to calculate the load rating for loads in the reverse radial direction or lateral direction for models 12 and 14, as those values are different.