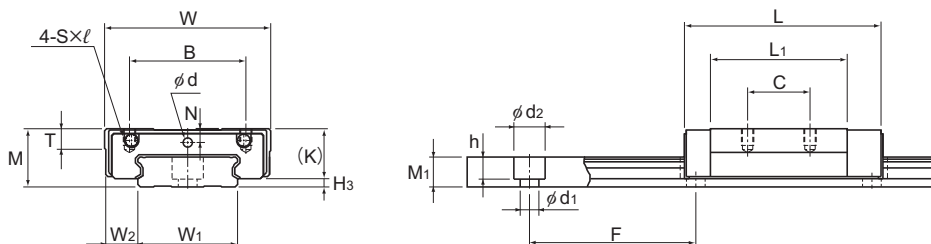


# Models HRW-CR, HRW-CRM and HRW-LRM



Models HRW12 and 14LRM

Model No.	Outer dimensions			LM block dimensions										Greasing hole	Grease nipple	H <sub>3</sub>
	Height	Width	Length	B	C	S × l	L <sub>1</sub>	T	K	N	E	d				
	M	W	L	B	C	S × l	L <sub>1</sub>	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		

Note) Symbol M indicates that stainless steel is used in the LM block, LM rail and balls. Those models marked with this symbol are therefore highly resistant to corrosion and environment.

## 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

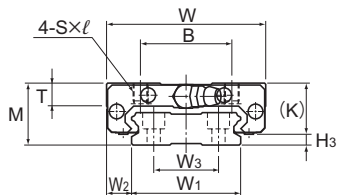
No. of LM blocks used on the same rail

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

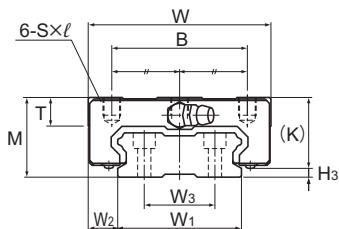
Accuracy symbol (\*3)

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

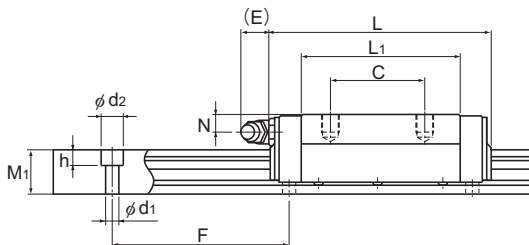
(\*1) See contamination protection accessory on **A1-510**. (\*2) See **A1-71**. (\*3) See **A1-77**.



Models HRW17 and 21CR/CRM



Models HRW27 to 50CR/CRM



Unit: mm

LM rail dimensions								Basic load rating		Static permissible moment kN-m*					Mass	
Width $W_1$ $\pm 0.05$	$W_2$	$W_3$	Height/Pitch		Length* Max	C kN	$C_0$ kN	$M_a$		$M_b$		$M_c$	LM block	LM rail		
			$M_1$	F				$d_1 \times d_2 \times h$	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m	
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)	4.31	8.14	0.0417	0.244	0.0417	0.244	0.128	0.12	2.1		
37	8.5	22	11	50	4.5×7.5×5.3 1900 (1000)	6.18	11.5	0.0701	0.398	0.0701	0.398	0.194	0.19	2.9		
42	10	24	15	60	4.5×7.5×5.3 3000 (1200)	11.5	20.4	0.156	0.874	0.156	0.874	0.398	0.37	4.3		
69	15.5	40	19	80	7×11×9 3000	27.2	45.9	0.529	2.89	0.529	2.89	1.49	1.2	9.9		
90	20	60	24	80	9×14×12 3000	50.2	81.5	1.25	6.74	1.25	6.74	3.46	3.2	14.6		

Note) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-248**.)

Static permissible moment\*: 1 block: static permissible moment value with 1 LM block

Double blocks: static permissible moment value with 2 blocks closely contacting with each other