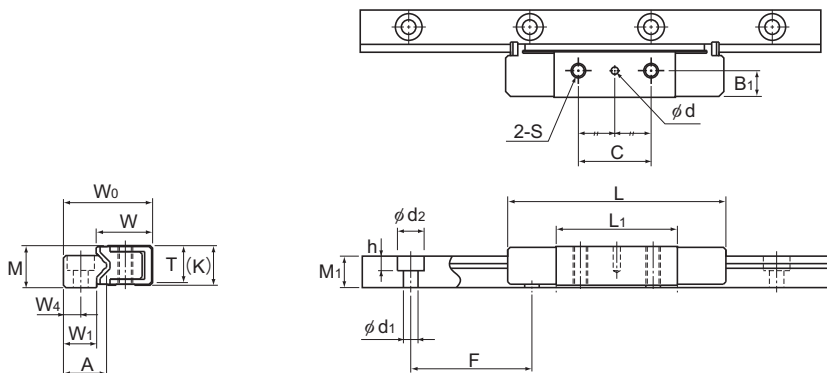


## Models HR, HR-T, HR-M and HR-TM



Models HR918 and 918M

Model No.	Outer dimensions				LM block dimensions									
	Height M	Width W	$W_0$	Length L	$B_1$	C	H	S	$h_2$	$L_1$	T	K	Greasing hole d	$D_1$
HR 918 HR 918M	8.5	11.4	18	45	5.5	15	—	M3	—	25	7.5	8	1.5	—
HR 1123 HR 1123M	11	13.7	23	52	7	15	2.55	M3	3	30	9.5	10	2	5
HR 1530 HR 1530M	15	19.2	30	69	10	20	3.3	M4	3.5	40	13	14	2	6.5
HR 2042 HR 2042M	20	26.3	42	91.6	13	35	5.3	M6	5.5	56.6	17.5	19	3	10
HR 2042T HR 2042TM	20	26.3	42	110.7	13	50	5.3	M6	5.5	75.7	17.5	19	3	10
HR 2555 HR 2555M	25	33.3	55	121	16	45	6.8	M8	7	80	22.5	24	3	11
HR 2555T HR 2555TM	25	33.3	55	146.4	16	72	6.8	M8	7	105.4	22.5	24	3	11

### Model number coding

**2 HR2555 UU M +1000L P T M**

Model number  
No. of LM blocks used on the same rail

Contamination protection accessory symbol (\*1)

Stainless steel LM block

LM rail length (in mm)

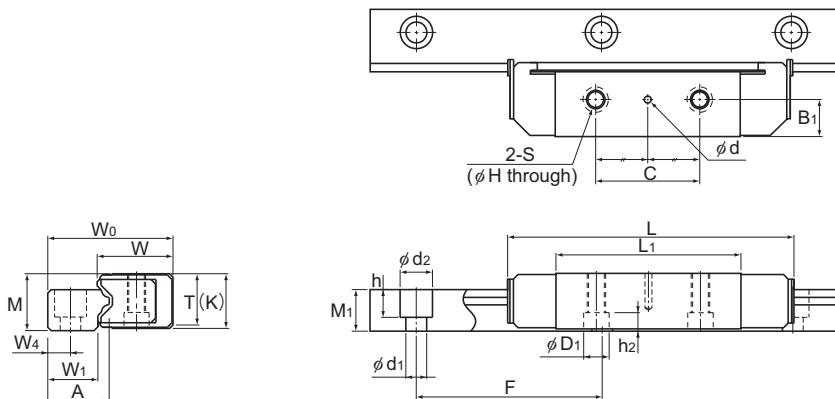
Symbol for LM rail jointed use

Stainless steel LM rail

Accuracy symbol (\*2)  
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 **A1-496**. (\*2) See **A1-80**.

Note) One set of model HR means a combination of two LM rails and an LM blocks used on the same plane.



Models HR1123 to 2555M/T/TM

Unit: mm

LM rail dimensions								Basic load rating		Static permissible moment kN-m*				Mass	
Width	Width	Pitch	Height	Pitch	Length*	Length*	C	C <sub>0</sub>	M <sub>A</sub>		M <sub>B</sub>		LM block	LM rail	
									1 block	Double blocks	1 block	Double blocks			kg
6.7	3.5	8.7	6.5	25	3 × 5.5 × 3	300 (300)	2.82	3.48	0.0261	0.194	0.0261	0.194	0.01	0.3	
9.5	5	11.6	8	40	3.5 × 6 × 4.5	500 (500)	4.09	4.93	0.0472	0.311	0.0472	0.311	0.03	0.5	
10.7	6	13.5	11	60	3.5 × 6 × 4.5	1600 (800)	7.56	8.77	0.112	0.733	0.112	0.733	0.08	1	
15.6	8	19.5	14.5	60	6 × 9.5 × 8.5	2200 (1000)	17	18.2	0.325	2.01	0.325	2.01	0.13	1.8	
15.6	8	19.5	14.5	60	6 × 9.5 × 8.5	2200 (1000)	20.8	24.3	0.56	3.16	0.56	3.16	0.26	1.8	
22	10	27	18	80	9 × 14 × 12	3000 (1000)	33.2	35.1	0.897	5.04	0.897	5.04	0.43	3.2	
22	10	27	18	80	9 × 14 × 12	3000 (1000)	40	45.9	1.49	7.8	1.49	7.8	0.5	3.2	

Note) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-268**.)

Static permissible moment\* 1 block: the static permissible moment value with two LM rails, one LM block per rail, used on the same plane

Double blocks: static permissible moment when two LM blocks are in close contact with each other on two LM rails used on the same plane

A moment in the M<sub>B</sub> direction can be received if two rails are used in parallel. However, since it depends on the distance between the two rails, it has been omitted.

Total block length L : The total block length L shown in the table is the length with the dust-proof parts (code: UU).

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.