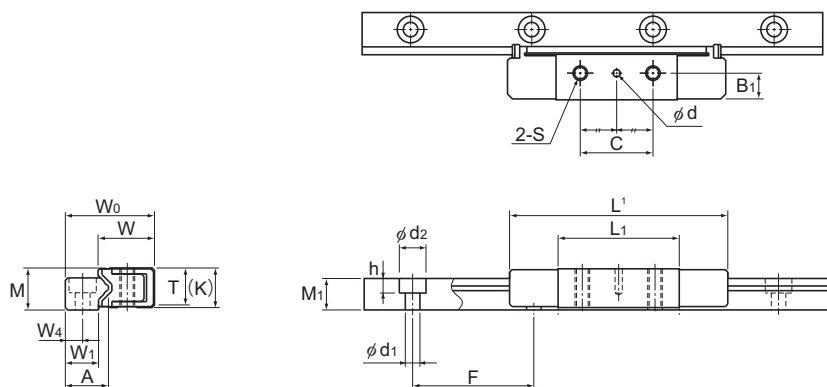


Models HR, HR-T, HR-M, and HR-TM



Models HR918 and 918M

Model No.	Outer dimensions				LM block dimensions									
	Height	Width		Length ¹									Lubrication hole	
	M	W	W ₀	L	B ₁	C	H	S	h ₂	L ₁	T	K	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

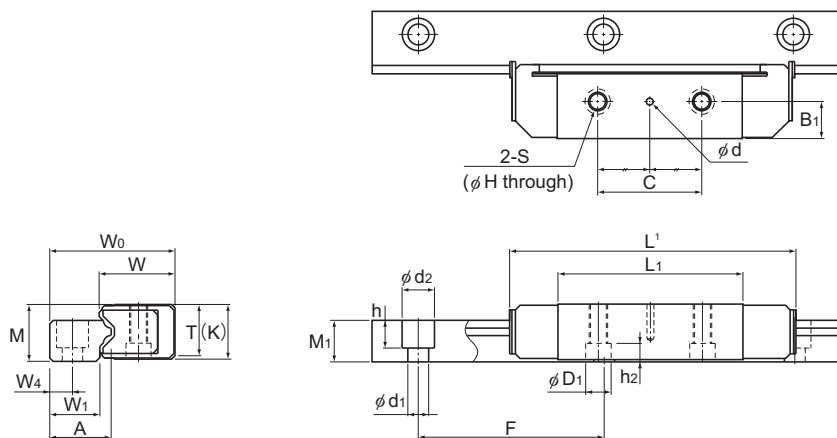
Model number coding

2 HR2555 UU M +1000L P T M

No. of LM blocks used on the same rail	Model number	Contamination protection accessory symbol	Stainless steel LM block	LM rail length (in mm)	Symbol for LM rail jointed use	Stainless steel LM rail
					Accuracy symbol Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)	

Notes: One set of model HR means a combination of two LM rails and LM blocks used on the same plane.

See **A1-547** for contamination protection accessories. See **A1-83** for accuracy symbol.



Models HR1123 to 2555M/T/TM

Unit: mm

	LM rail dimensions							Basic load rating		Static permissible moment kN·m ³				Mass	
	Width			Height	Pitch		Length ²	C	C ₀					LM block	LM rail
	W ₁	W ₄	A	M ₁	F	d ₁ ×d ₂ ×h	Max	kN	kN	1 block	2 blocks	1 block	2 blocks	kg	kg/m
	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

¹ Length L shown in the table is the length with the contamination protection accessories (code: UU).² The maximum length indicates the standard maximum length of an LM rail. (See **A1-288**.)³ Static permissible moment 1 block: the static permissible moment value with two LM rails, one LM block per rail, used on the same plane
2 blocks: static permissible moment when two LM blocks are in close contact with each other on two LM rails used on the same planeA moment in the M_c 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.

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.