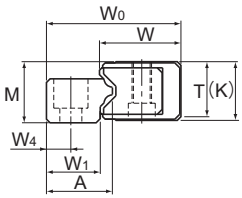
Models HR, HR-T, HR-M and HR-TM



Model No.	Outer dimensions				LM block dimensions									
	Height	Width		Length									Greasing hole	
	M	W	W_0	L	B_1	C	H	S	h_2	L_1	T	K	d	D_1
HR 3065 HR 3065T	30	40.3	65	145 173.5	19	50 80	8.6	M10	9	90 118.5	27.5	29	4	14
HR 3575 HR 3575T	35	44.9	75	154.8 182.5	21.5	60 92.5	10.5	M12	12	103.8 131.5	32	34	4	18
HR 4085 HR 4085T	40	50.4	85	177.8 215.9	24	70 110	12.5	M14	13	120.8 158.9	36	38	4	20
HR 50105 HR 50105T	50	63.4	105	227 274.5	30	85 130	14.5	M16	15.5	150 197.5	45	48	5	23
HR 60125	60	74.4	125	329	35	160	18	M20	18	236	55	58	5	26

Model number coding

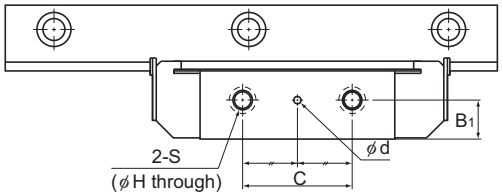
2 HR4085T UU +1500L P T

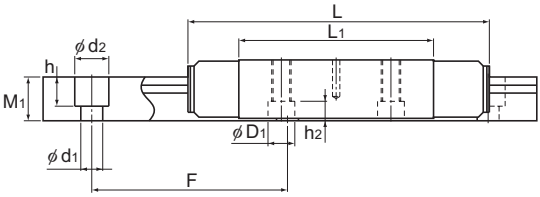
- **2**: No. of LM blocks used on the same rail
- **HR4085T**: Model number
- **UU**: Contamination protection accessory symbol (*1)
- **+1500L**: LM rail length (in mm)
- **P**: Accuracy symbol (*2)
  Normal grade (No Symbol)/High accuracy grade (H)
  Precision grade (P)/Super precision grade (SP)
  Ultra precision grade (UP)
- **T**: Symbol for LM rail jointed use

(*1) See contamination protection accessory on A1-510. (*2) See A1-81.

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

To download a desired data, search for the corresponding model number in the Technical site. https://tech.thk.com





Unit: mm

	LM rail dimensions							Basic load rating		Static permissible moment kN-m*				Mass	
	Width			Height	Pitch		Length*	C	C_0	M_A		M_B		LM block	LM rail
	W_1	W_4	A	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	kg	kg/m
	25	12	31.5	22.5	80	9×14×12	3000	24.2 32.1	38.6 51.6	1.11 1.89	6.72 10.4	1.11 1.89	6.72 10.4	0.7 0.9	4.6
	30.5	14.5	37	26	105	11×17.5×14	3000	30 40.2	47.8 63.6	1.53 2.59	8.84 13.5	1.53 2.59	8.84 13.5	1.05 1.4	6.4
	35	16	42.5	29	120	14×20×17	3000	44.1 59.5	68.6 91.7	2.64 4.48	14.4 23	2.64 4.48	14.4 23	1.53 1.7	8
	42	20	51.5	37	150	18×26×22	3000	70.7 96	107 143	5.15 8.74	28.9 45.7	5.15 8.74	28.9 45.7	3.06 3.5	12.1
	51	25	65	45	180	22×32×25	3000	141	206	14.3	79.6	14.3	79.6	7.5	19.3

Note) A moment in the direction M_C can be received if two rails are used in parallel. However, since it depends on the distance between the two rails, the moment in the direction M_C is omitted here.
The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-286**.)
Static permissible moment*: 1 block: Static permissible moment value with one LM block mounted on two LM rails used on the same plane
Double blocks: Static permissible moment value with 2 blocks in close contact with each other on 2 LM blocks used on the same plane

Options⇒A1-473