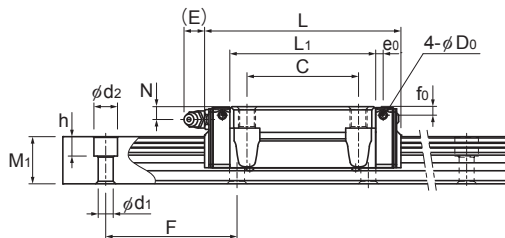
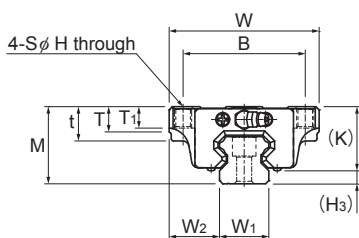


Models HSR-C, HSR-CM, HSR-LC, HSR-LCM, HSR-XC and HSR-XLC



Models HSR15 to 35C/LC/CM/LCM

Model No.	Outer dimensions			LM block dimensions														Pilot hole for side nipple			
	Height	Width	Length			Mounting hole										Grease nipple					
	M	W	L	B	C	S	H	L ₁	t	T	T ₁	K	N	E		e ₀	f ₀	D ₀	H ₃		
HSR 15C HSR 15CM	24	47	56.6	38	30	M5	4.5	38.8	11	7	7	19.3	4.3	5.5	PB1021B	3.2	3.9	3	4.7		
HSR 15LC HSR 15LCM	24	47	74.6	38	30	M5	4.5	56.8	11	7	7	19.3	4.3	5.5	PB1021B	3.2	3.9	3	4.7		
HSR 20C HSR 20CM	30	63	74	53	40	M6	5.4	50.8	10	9.5	10	26	5	12	B-M6F	3.1	3.4	3	4		
HSR 20LC HSR 20LCM	30	63	90	53	40	M6	5.4	66.8	10	9.5	10	26	5	12	B-M6F	3.1	3.4	3	4		
HSR 25C HSR 25CM	36	70	83.1	57	45	M8	6.8	59.5	16	11	10	30.5	6	12	B-M6F	3.5	4	3	5.5		
HSR 25LC HSR 25LCM	36	70	102.2	57	45	M8	6.8	78.6	16	11	10	30.5	6	12	B-M6F	3.5	4	3	5.5		
HSR 30C HSR 30CM	42	90	98	72	52	M10	8.5	70.4	18	9	10	35	7	12	B-M6F	5.2	6.2	5.2	7		
HSR 30LC HSR 30LCM	42	90	120.6	72	52	M10	8.5	93	18	9	10	35	7	12	B-M6F	5.2	6.2	5.2	7		
HSR 35C HSR 35CM	48	100	109.4	82	62	M10	8.5	80.4	21	12	13	40.5	8	12	B-M6F	5.5	5.6	5.2	7.5		
HSR 35LC HSR 35LCM	48	100	134.8	82	62	M10	8.5	105.8	21	12	13	40.5	8	12	B-M6F	5.5	5.6	5.2	7.5		
HSR 45C HSR 45LC	60	120	139 170.8	100	80	M12	10.5	98 129.8	25	13	15	50	10	16	B-PT1/8	6.1	6.6	5.2	10		
HSR 55C HSR 55LC	70	140	163 201.1	116	95	M14	12.5	118 156.1	29	13.5	17	57	11	16	B-PT1/8	5.6	7.7	5.2	13		
HSR 65XC HSR 65XLC	90	170	190.5 250	142	110	M16	14.5	138.5 198	37	21.5	23	76	19	16	B-PT1/8	6.8	14.6	5.2	14		

Model number coding

HSR25 C 2 QZ UU C0 M +1200L P T M -II

Model number

Type of LM block

With QZ Lubricator

Contamination protection accessory symbol (*1)

Stainless steel LM block

LM rail length (in mm)

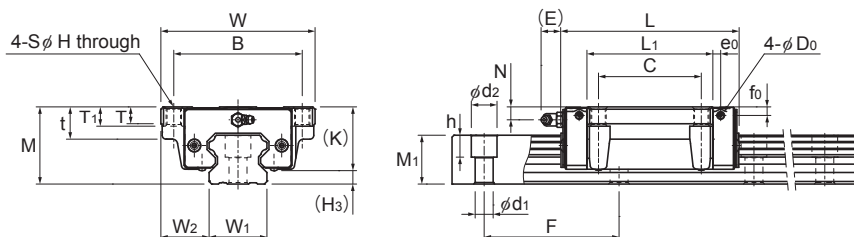
Stainless steel LM rail jointed use

Symbol for No. of rails used on the same plane (*4)

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 **A1-516**. (*2) See **A1-72**. (*3) See **A1-77**. (*4) See **A1-13**.

Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.



Models HSR45 to 65C/LC/XC/LC

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment $\text{kN}\cdot\text{m}^*$						Mass	
Width	Height	Pitch			Length*	C	C ₀	M_A		M_B		M_C		LM block	LM rail
W_1 ± 0.05	W_2	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block		kg	kg/m
15	16	15	60	$4.5 \times 7.5 \times 5.3$	3000 (1240)	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998		0.2	1.5
15	16	15	60	$4.5 \times 7.5 \times 5.3$	3000 (1240)	14.2	22.9	0.194	0.984	0.194	0.984	0.145		0.29	1.5
20	21.5	18	60	$6 \times 9.5 \times 8.5$	3000 (1480)	19.8	27.4	0.218	1.2	0.218	1.2	0.235		0.35	2.3
20	21.5	18	60	$6 \times 9.5 \times 8.5$	3000 (1480)	23.9	35.8	0.363	1.87	0.363	1.87	0.307		0.47	2.3
23	23.5	22	60	$7 \times 11 \times 9$	3000 (2020)	27.6	36.4	0.324	1.8	0.324	1.8	0.366		0.59	3.3
23	23.5	22	60	$7 \times 11 \times 9$	3000 (2020)	35.2	51.6	0.627	3.04	0.627	3.04	0.518		0.75	3.3
28	31	26	80	$9 \times 14 \times 12$	3000 (2520)	40.5	53.7	0.599	3.1	0.599	3.1	0.652		1.1	4.8
28	31	26	80	$9 \times 14 \times 12$	3000 (2520)	48.9	70.2	0.995	4.89	0.995	4.89	0.852		1.3	4.8
34	33	29	80	$9 \times 14 \times 12$	3000 (2520)	53.9	70.2	0.895	4.51	0.895	4.51	1.05		1.6	6.6
34	33	29	80	$9 \times 14 \times 12$	3000 (2520)	65	91.7	1.49	7.13	1.49	7.13	1.37		2.0	6.6
45	37.5	38	105	$14 \times 20 \times 17$	3090	82.2 100	101 135	1.5 2.59	8.37 13.4	1.5 2.59	8.37 13.4	1.94 2.6		2.8 3.3	11 11
53	43.5	44	120	$16 \times 23 \times 20$	3060	121 148	146 194	2.6 4.46	14.1 22.7	2.6 4.46	14.1 22.7	3.43 4.56		4.5 5.7	15.1 15.1
63	53.5	53	150	$18 \times 26 \times 22$	3000	195 249	228 323	5.08 9.81	25 45.6	5.08 9.81	25 45.6	6.2 8.79		8.5 10.7	22.5 22.5

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-204**.)

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
The overall block lengths (L) in the dimension table are for when the contamination protection accessory symbol is UU or SS.
The overall block length (L) will increase if another contamination protection accessory or lubricator is attached.

(See **A1-491** or **A1-512**)

An "M" in the model number indicates the material of the LM block, LM rail, or balls are stainless steel.

Stainless steel products have superior corrosion resistance and environmental resistance.

*The diagram shows the side nipple pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator.

In all other cases, the side nipple pilot holes will not be through holes.

Consult with THK if you desire drilling for grease nipple mounting. (See **A1-430**.)