



HSR-GK Redesigned

— Blocks and rails you can purchase individually —

Freedom to mix and match,
quickly and easily
Redesigned for even
higher performance



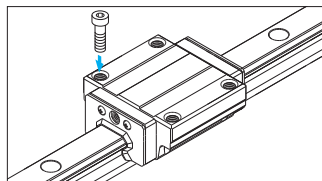
1 Improved basic performance.

- More stable rolling resistance
- Can handle high speeds (up to 5 m/s)

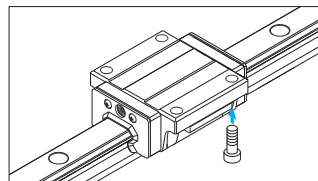
2 Combination design with elements taken from existing product lineup.

Elements of A/LA and B/LB block types have been combined to create a new C/LC type.

Existing HSR-A/LA



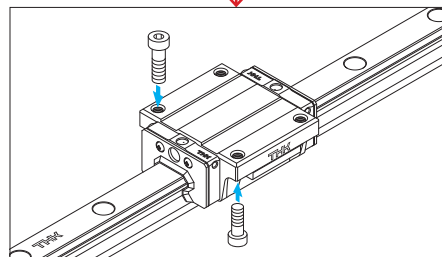
Existing HSR-B/LB



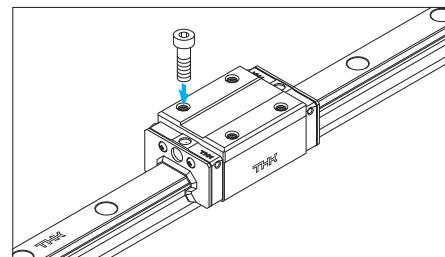
The lineup of block types now consists of two types—C/LC and R/LR.

C/LC can be installed from either the top or bottom of the block.

HSR-C/LC



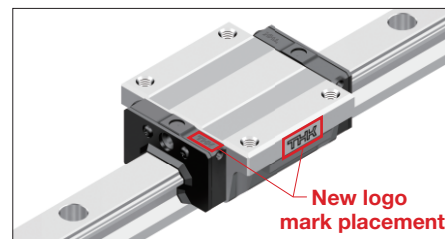
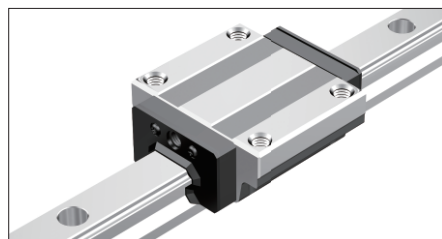
HSR-R/LR



Bolt size required when installing a C/LC-type block from the bottom is the same as that of the B/LB type.

3 Minor changes to outward appearance.

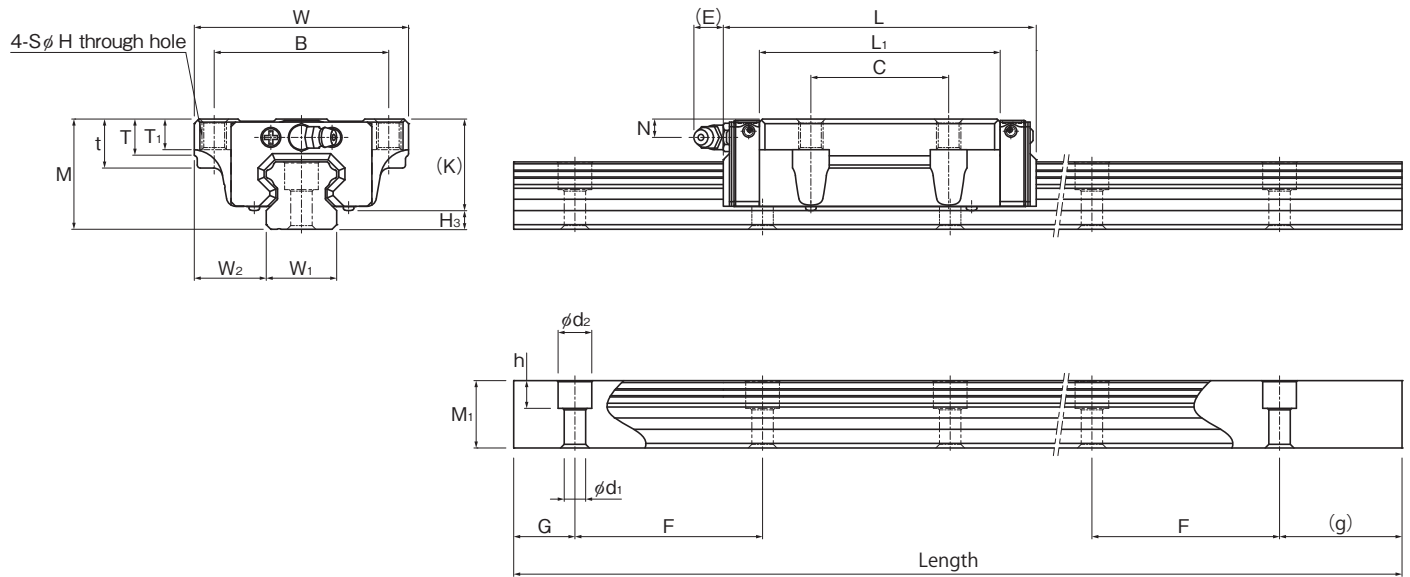
To better differentiate our products from those made by other companies, the THK logo is now easier to distinguish.



The overall length of the blocks remains the same.
The LM rail remains the same. Previous products can be used as they are.

* Addition of the product logo mark is scheduled to be carried out on a continuing basis as new THK products are released.

[Dimensional Table] Models HSR-C and HSR-LC

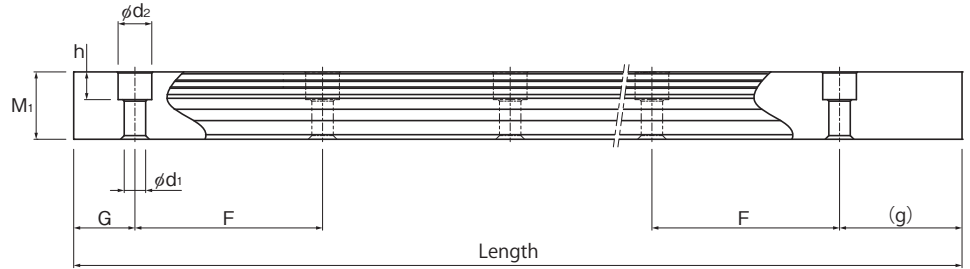
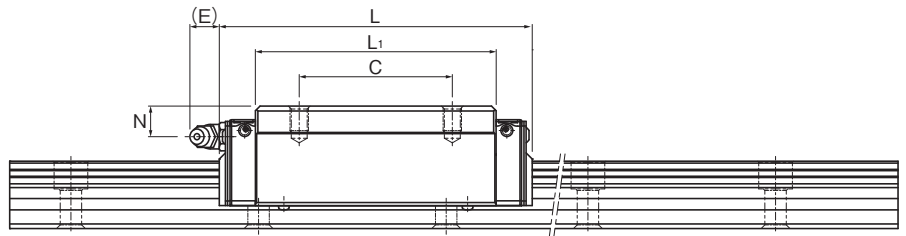
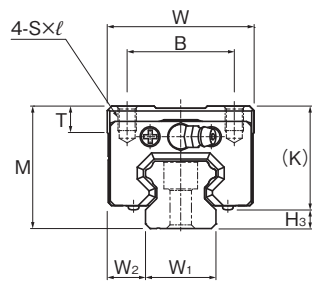


Unit: mm

Model No.	Outer dimensions			LM block dimensions												H ₃	LM rail dimensions					
	Height	Width	Length	B	C	Mounting hole S	H	L ₁	t	T	T ₁	K	N	E	Grease nipple		Width	W ₂	Height	Pitch	Mounting hole	G,g
	M	W	L														W ₁		M ₁	F	d ₁ ×d ₂ ×h	
HSR15 C LC	24	47	56.6 74.6	38	30	M5	4.5	38.8 56.8	11	7	7	19.3	4.3	5.5	PB1021B	4.7	15	16	15	60	4.5×7.5×5.3	20,40
HSR20 C LC	30	63	74 90	53	40	M6	5.4	50.8 66.8	10	9.5	10	26	5	12	B-M6F	4	20	21.5	18	60	6×9.5×8.5	20,40
HSR25 C LC	36	70	83.1 102.2	57	45	M8	6.8	59.5 78.6	16	11	10	30.5	6	12	B-M6F	5.5	23	23.5	22	60	7×11×9	20,40
HSR30 C LC	42	90	98 120.6	72	52	M10	8.5	70.4 93	18	9	10	35	7	12	B-M6F	7	28	31	26	80	9×14×12	20,40
HSR35 C LC	48	100	109.4 134.8	82	62	M10	8.5	80.4 105.8	21	12	13	40.5	8	12	B-M6F	7.5	34	33	29	80	9×14×12	20,40
HSR45 C LC	60	120	139 170.8	100	80	M12	10.5	98 129.8	25	13	15	50	10	16	B-PT1/8	10	45	37.5	38	105	14×20×17	20,40

Model No.	Basic load rating		Static permissible moment kN·m						Mass	
	C	C ₀	M _A		M _B		M _C	LM block	LM rail	
	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m	
HSR15	C	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.2	1.5
	LC	14.2	22.9	0.194	0.984	0.194	0.984	0.145	0.29	1.5
HSR20	C	19.8	27.4	0.218	1.2	0.218	1.2	0.235	0.35	2.3
	LC	23.9	35.8	0.363	1.87	0.363	1.87	0.307	0.47	2.3
HSR25	C	27.6	36.4	0.324	1.8	0.324	1.8	0.366	0.59	3.3
	LC	35.2	51.6	0.627	3.04	0.627	3.04	0.518	0.75	3.3
HSR30	C	40.5	53.7	0.599	3.1	0.599	3.1	0.652	1.1	4.8
	LC	48.9	70.2	0.995	4.89	0.995	4.89	0.852	1.3	4.8
HSR35	C	53.9	70.2	0.895	4.51	0.895	4.51	1.05	1.6	6.6
	LC	65	91.7	1.49	7.13	1.49	7.13	1.37	2.0	6.6
HSR45	C	82.2	101	1.5	8.37	1.5	8.37	1.94	2.8	11
	LC	100	135	2.59	13.4	2.59	13.4	2.6	3.3	11

[Dimensional Table] Models HSR-R and HSR-LR



Unit: mm

Model No.	Outer dimensions			LM block dimensions									H ₃	LM rail dimensions					
	Height	Width	Length			Mounting hole								Width		Height	Pitch	Mounting hole	
	M	W	L	B	C	S×ℓ	L ₁	T	K	N	E	Grease nipple		W ₁	W ₂	M ₁	F	d ₁ ×d ₂ ×h	G,g
HSR15 _R LR	28	34	56.6 74.6	26	26 34	M4×5	38.8 56.8	6	23.3	8.3	5.5	PB1021B	4.7	15	9.5	15	60	4.5×7.5×5.3	20,40
HSR20 _R LR	30	44	74 90	32	36 50	M5×6	50.8 66.8	8	26	5	12	B-M6F	4	20	12	18	60	6×9.5×8.5	20,40
HSR25 _R LR	40	48	83.1 102.2	35	35 50	M6×8	59.5 78.6	9	34.5	10	12	B-M6F	5.5	23	12.5	22	60	7×11×9	20,40
HSR30 _R LR	45	60	98 120.6	40	40 60	M8×10	70.4 93	9	38	10	12	B-M6F	7	28	16	26	80	9×14×12	20,40
HSR35 _R LR	55	70	109.4 134.8	50	50 72	M8×12	80.4 105.8	11.7	47.5	15	12	B-M6F	7.5	34	18	29	80	9×14×12	20,40
HSR45 _R LR	70	86	139 170.8	60	60 80	M10×17	98 129.8	15	60	20	16	B-PT1/8	10	45	20.5	38	105	14×20×17	20,40

Model No.		Basic load rating		Static permissible moment kN·m					Mass	
		C	C ₀	M _A		M _B		M _C	LM block	LM rail
		kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
HSR15	R	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.2	1.5
	LR	14.2	22.9	0.194	0.984	0.194	0.984	0.145	0.26	1.5
HSR20	R	19.8	27.4	0.218	1.2	0.218	1.2	0.235	0.35	2.3
	LR	23.9	35.8	0.363	1.87	0.363	1.87	0.307	0.47	2.3
HSR25	R	27.6	36.4	0.324	1.8	0.324	1.8	0.366	0.59	3.3
	LR	35.2	51.6	0.627	3.04	0.627	3.04	0.518	0.75	3.3
HSR30	R	40.5	53.7	0.599	3.1	0.599	3.1	0.652	1.1	4.8
	LR	48.9	70.2	0.995	4.89	0.995	4.89	0.852	1.3	4.8
HSR35	R	53.9	70.2	0.895	4.51	0.895	4.51	1.05	1.6	6.6
	LR	65	91.7	1.49	7.13	1.49	7.13	1.37	2.0	6.6
HSR45	R	82.2	101	1.5	8.37	1.5	8.37	1.94	2.8	11
	LR	100	135	2.59	13.4	2.59	13.4	2.6	3.3	11

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