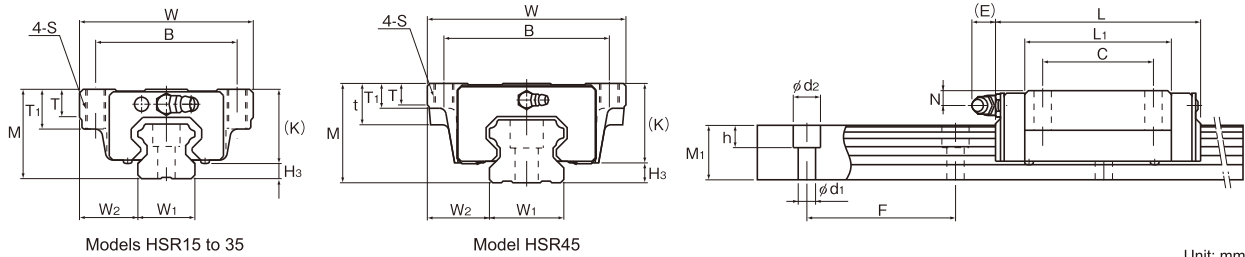


Model HSR

Models HSR-A and HSR-LA



Models HSR15 to 35

Model HSR45

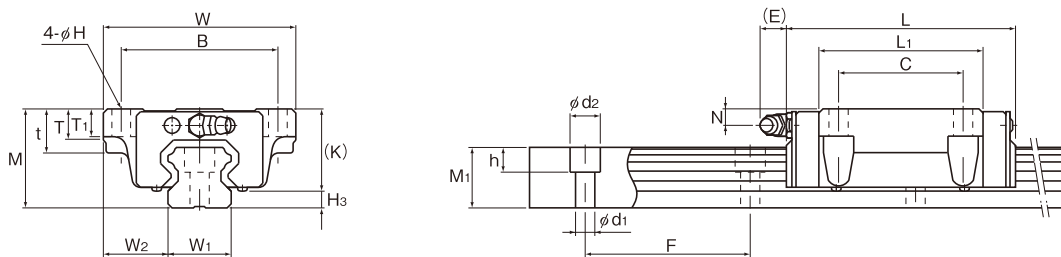
Unit: mm

Model No.	Outer dimensions			LM block dimensions											Grease nipple	H ₃	Basic load rating		Static permissible moment kN-m*					Mass
	Height	Width	Length	B	C	S	L ₁	t	T	T ₁	K	N	E	C			C ₀	M _A 		M _B 		M _C 	LM block	
																		1 block	Double blocks	1 block	Double blocks	1 block	kg	
HSR 15A	24	47	56.6	38	30	M5	38.8	—	7	11	19.3	4.3	5.5	PB1021B	4.7	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.2	
HSR 20A	30	63	74	53	40	M6	50.8	—	9.5	10	26	5	12	B-M6F	4	19.8	27.4	0.218	1.2	0.218	1.2	0.235	0.35	
HSR 20LA			66.8				35.8									0.363	1.87	0.363	1.87	0.307	0.47			
HSR 25A	36	70	83.1	57	45	M8	59.5	—	11	16	30.5	6	12	B-M6F	5.5	27.6	36.4	0.324	1.8	0.324	1.8	0.366	0.59	
HSR 25LA			102.2				51.6									0.627	3.04	0.627	3.04	0.518	0.75			
HSR 30A	42	90	98	72	52	M10	70.4	—	9	18	35	7	12	B-M6F	7	40.5	53.7	0.599	3.1	0.599	3.1	0.652	1.1	
HSR 30LA			120.6				70.2									0.995	4.89	0.995	4.89	0.852	1.3			
HSR 35A	48	100	109.4	82	62	M10	80.4	—	12	21	40.5	8	12	B-M6F	7.5	53.9	70.2	0.895	4.51	0.895	4.51	1.05	1.6	
HSR 35LA			134.8				91.7									1.49	7.13	1.49	7.13	1.37	2			
HSR 45A	60	120	139	100	80	M12	98	25	13	15	50	10	16	B-R1/8 (B-PT1/8)	10	82.2	101	1.5	8.37	1.5	8.37	1.94	2.8	
HSR 45LA			170.8				135									2.59	13.4	2.59	13.4	2.6	3.3			

*1 block: static permissible moment value with 1 LM block

Double blocks: static permissible moment value with 2 blocks closely contacting with each other

Models HSR-B and HSR-LB



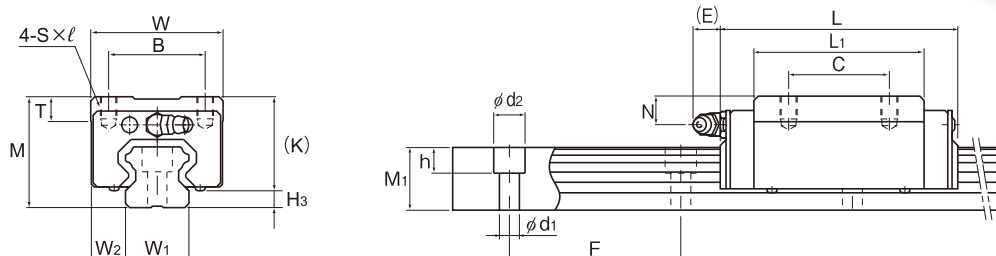
Unit: mm

Model No.	Outer dimensions			LM block dimensions											Grease nipple	H ₃	Basic load rating		Static permissible moment kN·m*					LM block	Mass	
	Height	Width	Length	B	C	H	L ₁	t	T	T ₁	K	N	E	C			C ₀	M _A		M _B		M _C				
																				1 block	Double blocks	1 block	Double blocks			1 block
HSR 15B	24	47	56.6	38	30	4.5	38.8	11	7	7	19.3	4.3	5.5	PB1021B	4.7	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.2			
HSR 20B HSR 20LB	30	63	74 90	53	40	6	50.8 66.8	10	9.5	10	26	5	12	B-M6F	4	19.8 23.9	27.4 35.8	0.218 0.363	1.2 1.87	0.218 0.363	1.2 1.87	0.235 0.307	0.35 0.47			
HSR 25B HSR 25LB	36	70	83.1 102.2	57	45	7	59.5 78.6	16	11	10	30.5	6	12	B-M6F	5.5	27.6 35.2	36.4 51.6	0.324 0.627	1.8 3.04	0.324 0.627	1.8 3.04	0.366 0.518	0.59 0.75			
HSR 30B HSR 30LB	42	90	98 120.6	72	52	9	70.4 93	18	9	10	35	7	12	B-M6F	7	40.5 48.9	53.7 70.2	0.599 0.995	3.1 4.89	0.599 0.995	3.1 4.89	0.652 0.852	1.1 1.3			
HSR 35B HSR 35LB	48	100	109.4 134.8	82	62	9	80.4 105.8	21	12	13	40.5	8	12	B-M6F	7.5	53.9 65	70.2 91.7	0.895 1.49	4.51 7.13	0.895 1.49	4.51 7.13	1.05 1.37	1.6 2			
HSR 45B HSR 45LB	60	120	139 170.8	100	80	11	98 129.8	25	13	15	50	10	16	B-R1/8 (B-PT1/8)	10	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			

1 block: static permissible moment value with 1 LM block

Double blocks: static permissible moment value with 2 blocks closely contacting with each other

Models HSR-R and HSR-LR



Unit: mm

Model No.	Outer dimensions			LM block dimensions								Grease nipple	H ₃	Basic load rating		Static permissible moment kN·m*					Mass
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	E			C	C ₀	M _A		M _B		M _C	LM block
																					
M	W	L	B	C	S×ℓ	L ₁	T	K	N	E	H ₃	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg		
HSR 15R	28	34	56.6	26	26	M4×5	38.8	6	23.3	8.3	5.5	PB1021B	4.7	10.9	15.7	0.0945	0.527	0.0945	0.527	0.0998	0.18
HSR 20R HSR 20LR	30	44	74 90	32	36 50	M5×6	50.8 66.8	8	26	5	12	B-M6F	4	19.8 23.9	27.4 35.8	0.218 0.363	1.2 1.87	0.218 0.363	1.2 1.87	0.235 0.307	0.25 0.35
HSR 25R HSR 25LR	40	48	83.1 102.2	35	35 50	M6×8	59.5 78.6	9	34.5	10	12	B-M6F	5.5	27.6 35.2	36.4 51.6	0.324 0.627	1.8 3.04	0.324 0.627	1.8 3.04	0.366 0.518	0.54 0.67
HSR 30R HSR 30LR	45	60	98 120.6	40	40 60	M8×10	70.4 93	9	38	10	12	B-M6F	7	40.5 48.9	53.7 70.2	0.599 0.995	3.1 4.89	0.599 0.995	3.1 4.89	0.652 0.852	0.9 1.1
HSR 35R HSR 35LR	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	53.9 65	70.2 91.7	0.895 1.49	4.51 7.13	0.895 1.49	4.51 7.13	1.05 1.37	1.5 2
HSR 45R HSR 45LR	70	86	139 170.8	60	60 80	M10×17	98 129.8	15	60	20	16	B-R1/8 (B-PT1/8)	10	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	2.6 3.1

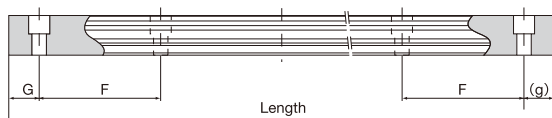
*1 block: static permissible moment value with 1 LM block

Double blocks: static permissible moment value with 2 blocks closely contacting with each other

HSR LM RAIL

LM rail dimensions (Model HSR)

Unit: mm



Model No.	LM rail dimensions							Mass
	Width		Height	Pitch		Length		LM rail
	W ₁ ±0.05	W ₂	M ₁	F	d ₁ ×d ₂ ×h	(G,g)		kg/m
HSR 15	15	16	15	60	4.5×7.5×5.3	3000(20,40)		1.5
HSR 20	20	21.5	18	60	6×9.5×8.5	3000(20,40)	4540(20,20)	2.3
HSR 25	23	23.5	22	60	7×11×9	3000(20,40)	4540(20,20)	3.3
HSR 30	28	31	26	80	9×14×12	3000(20,20)	4520(20,20)	4.8
HSR 35	34	33	29	80	9×14×12	3000(20,20)	4520(20,20)	6.6
HSR 45	45	37.5	38	105	14×20×17	3000(20,40)	4560(22.5,22.5)	11

Please contact the LM rail length you need to your dealer

Model number coding

HSR25 B 1 SS C1 H (GK) BLOCK

Model number
Type of LM block

GK series must be "1".

Contamination protection accessory symbol
SS : With end seal + side seal
GK series must be "SS".

GK series
LM block symbol

Accuracy Grade
Normal grade (No Symbol)
High grade (H)
Precision grade (P)

Radial clearance symbol
Normal (No symbol)
Light preload (C1)

HSR25 - 3000L H (GK) RAIL

Model number

LM rail length
(in mm)

GK series
LM rail symbol

Accuracy Grade
Normal grade (No Symbol)
High grade (H)
Precision grade (P)