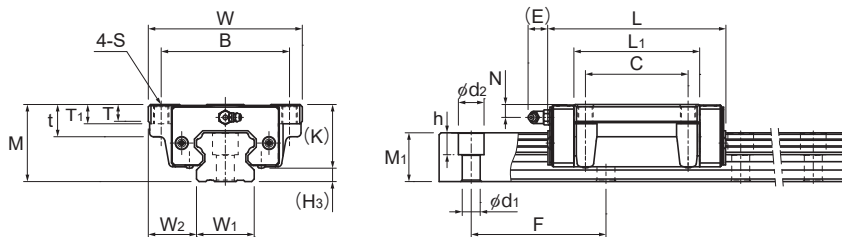


Models HSR85A, HSR85LA, HSR85B, and HSR85LB



Models HSR85A/LA

Model No.	Outer dimensions			LM block dimensions													Grease nipple	H ₃
	Height	Width	Length	B	C	H	S	L ₁	t	T	T ₁	K	N	E				
	M	W	L	B	C	H	S	L ₁	t	T	T ₁	K	N	E				
HSR 85A HSR 85LA	110	215	245.6 303	185	140	—	M20	178.6 236	55	28	30	94	23	16	B-PT1/8	16		
HSR 85B HSR 85LB	110	215	245.6 303	185	140	18	—	178.6 236	55	28	30	94	23	16	B-PT1/8	16		

Model number coding

HSR85 A 2 UU C0 +2250L H T -II

Model number

Type of LM block

Contamination protection accessory symbol

LM rail length (in mm)

Symbol for LM rail jointed use

Symbol for No. of rails used on the same plane

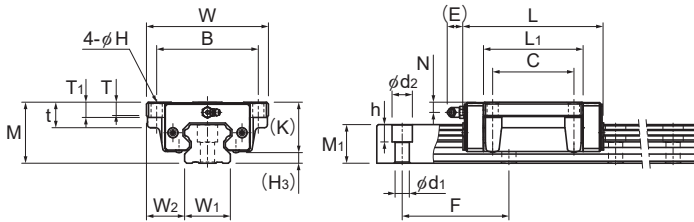
No. of LM blocks used on the same rail

Radial clearance symbol
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

Accuracy symbol
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

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.)

See [A1-545](#) for contamination protection accessories, see [A1-74](#) for radial clearance symbol. See [A1-79](#) for accuracy symbol. See [A1-13](#) for symbol for number of rails used on the same plane.



Models HSR85B/LB

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment $\text{kN}\cdot\text{m}^*$					Mass	
Width W_1 ± 0.05	Height M_1	Pitch F	Length* Max	$d_1 \times d_2 \times h$	C kN	C_0 kN	M_A		M_B		M_C	LM block kg	LM rail kg/m	
							1 block	Double blocks	1 block	Double blocks	1 block			
85	65	180	3000	$24 \times 35 \times 28$	304 367	355 464	10.2 16.9	51.2 81	10.2 16.9	51.2 81	12.8 16.7	17 23	35.2	
85	65	180	3000	$24 \times 35 \times 28$	304 367	355 464	10.2 16.9	51.2 81	10.2 16.9	51.2 81	12.8 16.7	17 23	35.2	

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

Total block length L Double blocks: static permissible moment when two LM blocks are in close contact with each other

: The total block length L shown in the table is the length with the dust proof parts, code UU or SS.

If other contamination protection accessories or lubricant equipment are installed, the total block length will increase.

(See [A1-519](#) or [A1-541](#))