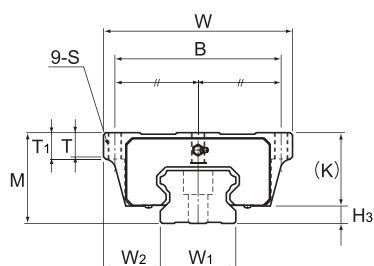
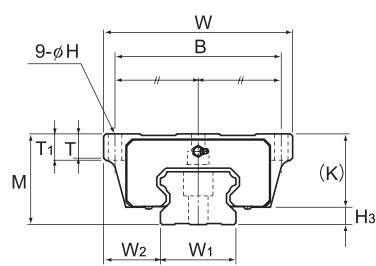


Models HSR-HA, HSR-HB and HSR-HR



Models HSR100 to 150HA



Models HSR100 to 150HB

Model No.	Outer dimensions			LM block dimensions											Grease nipple	H ₃
	Height	Width	Length													
	M	W	L	B	C	H	S×ℓ	L ₁	T	T ₁	K	N	E			
HSR 100HA HSR 100HB HSR 100HR	120	250 250 200	334 220 130	220 200 130	200	— 20 —	M18* — M18×27	261	32 32 33	35 35 —	100	23	16	B-PT1/4	20.5	
HSR 120HA HSR 120HB HSR 120HR	130	290 290 220	365 250 146	250 210 146	210	— 22 —	M20* — M20×30	287	34 34 33.7	38 38 —	110	26.5	16	B-PT1/4	20	
HSR 150HA HSR 150HB HSR 150HR	145	350 350 266	396 300 180	300 230 180	230	— 26 —	M24* — M24×35	314	36 36 33	40 40 —	123	29	16	B-PT1/4	22.5	

Note) *** indicates a through hole.

Model number coding

HSR150 HR 2 UU C1 +2350L H T - II

Model number

Type of LM block

Contamination protection accessory symbol (*1)

LM rail length (in mm)

Symbol for LM rail jointed use

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

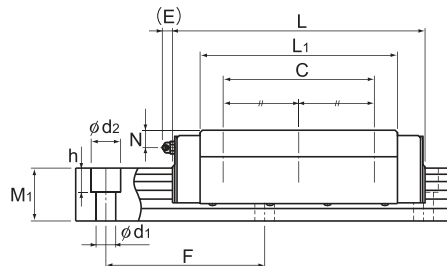
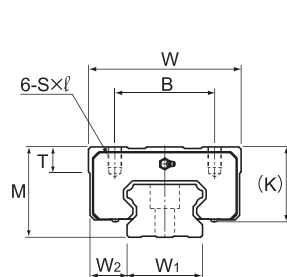
No. of LM blocks used on the same rail

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 A-368. (*2) See A-114. (*3) See A-119. (*4) See A-59.

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.)



LM Guide

Models HSR100 to 150HR

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		M _C	LM block	LM rail
	W ₁ ±0.05	W ₂	M ₁	F	d ₁ × d ₂ × h	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
	100	75 75 50	70	210	26 × 39 × 32	3000	351	506	19.4	98.2	19.4	98.2	22.4	32	49
	114	88 88 53	75	230	33 × 48 × 43	3000	429	612	25.9	129	25.9	129	31.1	43	61
	144	103 103 61	85	250	39 × 58 × 46	3000	518	728	33.6	167	33.6	167	45.2	62	87

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See B-82.)

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

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