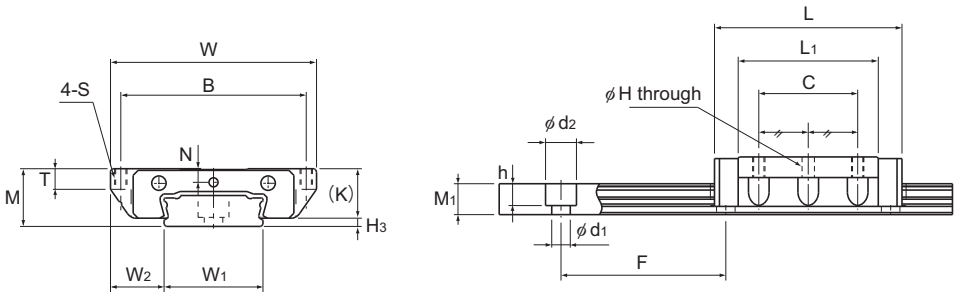


Model SHW-CA



Models SHW12CAM and SHW14CAM

Model No.	Outer dimensions			LM block dimensions								H ₃
	Height	Width	Length	B	C	S	H	L ₁	T	K	N	
	M	W	L									
SHW 12CAM	12	40	37	35	18	M3	2.5	27	4	10	2.8	2
SHW 14CAM	14	50	45.5	45	24	M3	2.5	34	5	12	3.3	2
SHW 17CAM	17	60	51	53	26	M4	3.3	38	6	14.5	4	2.5
SHW 21CA	21	68	59	60	29	M5	4.4	43.6	8	17.7	5	3.3
SHW 27CA	27	80	72.8	70	40	M6	5.3	56.6	10	23.5	6	3.5
SHW 35CA	35	120	107	107	60	M8	6.8	83	14	31	7.6	4
SHW 50CA	50	162	141	144	80	M10	8.6	107	18	46	14	4

Note) The M in the model number symbol indicates that the LM block, LM rail and balls are made of stainless steel. The stainless steel provides excellent corrosion and environmental resistance.

Model number coding

SHW17 CA 2 QZ UU C1 M +580L P 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

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

No. of LM blocks used on the same rail

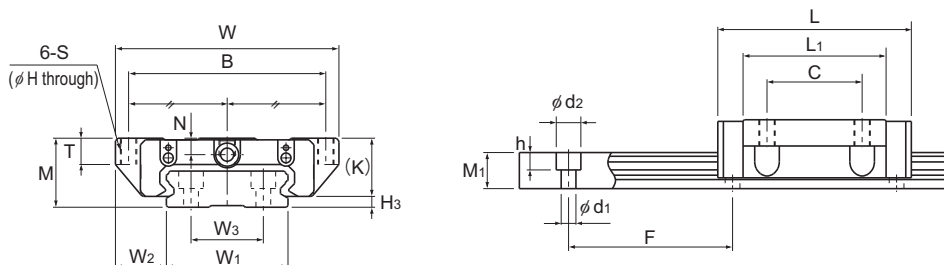
Radial clearance symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

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 **A1-496**. (*2) See **A1-70**. (*3) See **A1-76**. (*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 SHW17CAM and SHW21 to 50CA

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	W ₂	W ₃	M ₁	F	d ₁ × d ₂ × h	Max	kN	kN	1 block		Double blocks		1 block	kg	kg/m			
0 -0.05									1	Double	1	Double	1					
18	11	—	6.6	40	4.5 × 7.5 × 5.3	1230	4.31	5.66	0.0228	0.12	0.0228	0.12	0.0405	0.05	0.8			
24	13	—	7.5	40	4.5 × 7.5 × 5.3	1430	7.05	8.98	0.0466	0.236	0.0466	0.236	0.0904	0.1	1.23			
33	13.5	18	8.6	40	4.5 × 7.5 × 5.3	1800	7.65	10.18	0.0591	0.298	0.0591	0.298	0.164	0.15	1.9			
37	15.5	22	11	50	4.5 × 7.5 × 5.3	3000	8.24	12.8	0.0806	0.434	0.0806	0.434	0.229	0.24	2.9			
42	19	24	15	60	4.5 × 7.5 × 5.3	3000	16	22.7	0.187	0.949	0.187	0.949	0.455	0.47	4.5			
69	25.5	40	19	80	7 × 11 × 9	3000	35.5	49.2	0.603	3	0.603	3	1.63	1.4	9.6			
90	36	60	24	80	9 × 14 × 12	3000	70.2	91.4	1.46	7.37	1.46	7.37	3.97	3.7	15			

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See [A1-144](#).)

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

Total block length L : 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 [A1-472](#) or [A1-492](#))