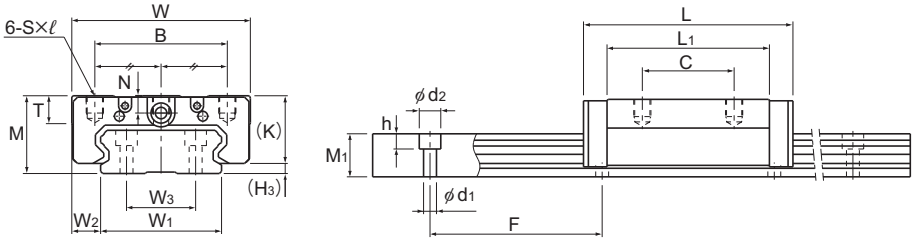


Models SHW-CR and SHW-HR



Models SHW27 to 50CR

Model No.	Outer dimensions			LM block dimensions							H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	
	M	W	L								
SHW 12CRM	12	30	37	21	12	M3×3.5	27	4	10	2.8	2
SHW 12HRM	12	30	50.4	21	24	M3×3.5	40.4	4	10	2.8	2
SHW 14CRM	14	40	45.5	28	15	M3×4	34	5	12	3.3	2
SHW 17CRM	17	50	51	29	15	M4×5	38	6	14.5	4	2.5
SHW 21CR	21	54	59	31	19	M5×6	43.6	8	17.7	5	3.3
SHW 27CR	27	62	72.8	46	32	M6×6	56.6	10	23.5	6	3.5
SHW 35CR	35	100	107	76	50	M8×8	83	14	31	7.6	4
SHW 50CR	50	130	141	100	65	M10×15	107	18	46	14	4

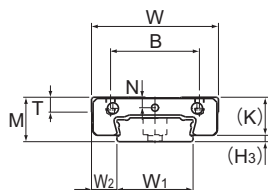
Note) The M in the model number symbol indicates that the LM block, LM rail and balls are made of stainless steel. The stainless steel provides excellent corrosion and environmental resistance.

Model number coding

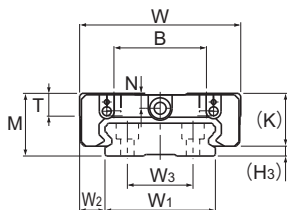
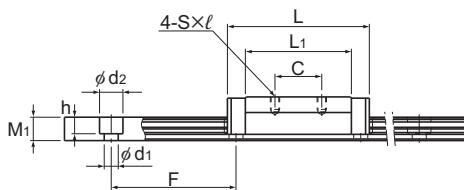
SHW17	CR	2	QZ	KKHH	C1	M	+820L	P	M	-II
Model number	Type of LM block	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol (*1)	Radial clearance symbol (*2) Normal (No symbol) Light preload (C1) Medium preload (C0)	Stainless steel LM block	LM rail length (in mm)	LM rail is made of stainless steel	Accuracy symbol (*3) Normal grade (No Symbol) High accuracy grade (H)/Precision grade (P) Super precision grade (SP)/Ultra precision grade (UP)	Symbol for No. of rails used on the same plane (*4)

(*1) See contamination protection accessory on **A1-543**. (*2) See **A1-73**. (*3) See **A1-79**. (*4) See **A1-13**.

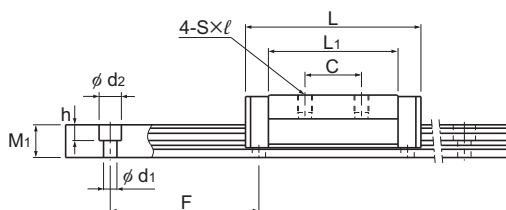
Note) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.



Models SHW12CRM, SHW12HRM, and SHW14CRM



Models SHW17CRM and SHW21CRM



Unit: mm

		LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width	W ₁ 0 -0.05	W ₂	W ₃	Height M ₁	Pitch F	Length* d ₁ ×d ₂ ×h	Max	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		
18	6	—	6.6	40	4.5×7.5×5.3	1230	4.31	5.66	0.0228	0.12	0.0228	0.12	0.0405	0.04	0.8	
18	6	—	6.6	40	4.5×7.5×5.3	1230	5.56	8.68	0.0511	0.246	0.0511	0.246	0.0621	0.06	0.8	
24	8	—	7.5	40	4.5×7.5×5.3	1430	7.05	8.98	0.0466	0.236	0.0466	0.236	0.0904	0.08	1.23	
33	8.5	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	0.13	1.9	
37	8.5	22	11	50	4.5×7.5×5.3	3000	8.24	12.8	0.0806	0.434	0.0806	0.434	0.229	0.19	2.9	
42	10	24	15	60	4.5×7.5×5.3	3000	16	22.7	0.187	0.949	0.187	0.949	0.455	0.36	4.5	
69	15.5	40	19	80	7×11×9	3000	35.5	49.2	0.603	3	0.603	3	1.63	1.2	9.6	
90	20	60	24	80	9×14×12	3000	70.2	91.4	1.46	7.37	1.46	7.37	3.97	3	15	

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-148**.)
 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 **A1-517** or **A1-539**)