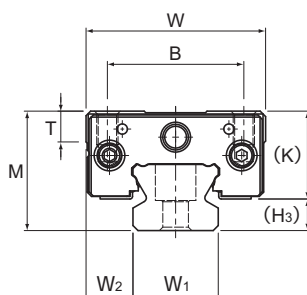


Models SR-MSV and SR-MSW



Model No.	Outer dimensions			LM block dimensions							H ₃
	Height	Width	Length								
	M	W	L	B	C	S × ℓ	L ₁	T	K		
SR15MSV SR15MSW	24	34	36.6 53.2	26	— 26	M4 × 7	22.9 39.5	5.7	19.5		4.5
SR20MSV SR20MSW	28	42	41.3 60.2	32	— 32	M5 × 8	27.8 46.7	7.2	22		6

Model number coding

SR15MSV 1 CS + 340L Y P - II

Model No.

LM rail length
(mm)

Radial clearance
symbol (*1)

Applied to
only 15

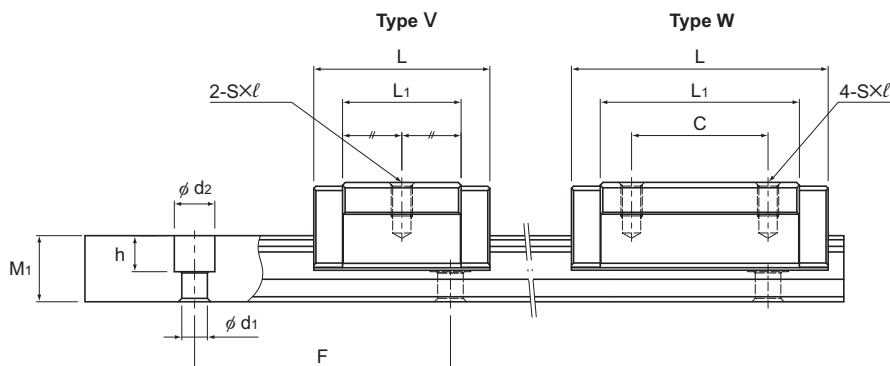
Symbol for
No. of rails used on the
same plane (*3)

No. of LM blocks
used on the same rail

Accuracy symbol (*2)

(*1) See **A1-73**. (*2) See **A1-86**. (*3) See **A1-13**.

Note) With this model, a single-rail unit constitutes one set (i.e., the required number of sets when 2 rails are used in parallel is 2).



Unit: mm

LM rail dimensions						Permissible load	Permissible moment N·m					Mass	
Width		Height	Pitch		Length*	F 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		1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
15	9.5	12.5	60	3.5×6×4.5	400	320 570	0.80 2.35	5.43 13.0	0.51 1.47	3.60 8.31	1.16 2.08	0.12 0.2	1.2
20	11	15.5	60	6×9.5×8.5	400	430 750	1.35 3.76	8.44 19.9	0.87 2.36	5.52 12.6	2.05 3.59	0.2 0.3	2.1

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-406**.)

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

Please note that model SR-MS does not have contamination protection accessories.

The value of permissible load F₀ represents the permissible value for the strength of the dry lubricant S-compound film.

For the durability of the Oil-Free LM Guide for special environment, contact THK.

The service life of the S film may vary according to the environment or the operating conditions. Be sure to evaluate and validate the service life based on the service and operating conditions of the customer.

Note2) For model SR15, two types of rails with different mounting hole dimensions are offered (see Table1).

When, replacing this model with model SSR, pay attention to the mounting hole dimension of the LM rail.

Contact THK for details.

Note3) The permissible load in the dimension table is for a load in the radial direction. Use Table7 on **A1-59** to calculate the permissible value for loads in the reverse radial direction or lateral direction.

Table1 The dimension of the rail mounting hole

Model No.	Standard rail	Semi-Standard rail
SR 15	For M3 (No symbol)	For M4 (Symbol Y)