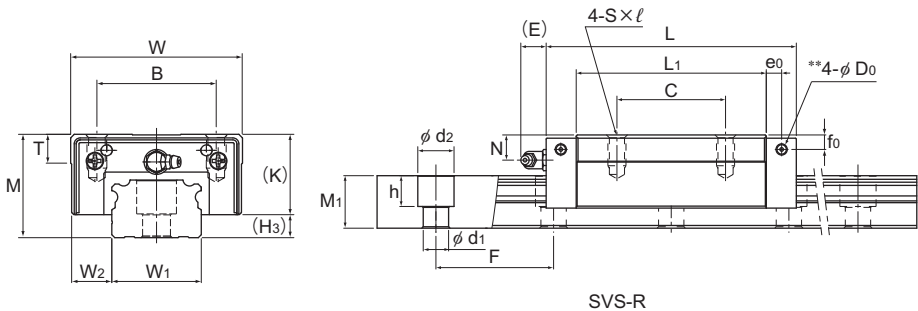


Models SVS-R and SVS-LR



Model No.	Outer dimensions			LM block dimensions													Grease nipple	H ₃
	Height	Width	Length	B	C	S × l	L ₁	T	K	N	f ₀	E	e ₀	D ₀				
	M	W	L															
SVS 25R SVS 25LR	31	50	82.8 102	32	35 50	M6 × 8	61.4 80.6	9.7	25.5	7.8	5.1	12	4.5	3.9	B-M6F	5.5		
SVS 30R SVS 30LR	38	60	98 120.5	40	40 60	M8 × 10	72.1 94.6	9.7	31	10.3	7	12	6.5	3.9	B-M6F	7		
SVS 35R SVS 35LR	44	70	109.5 135	50	50 72	M8 × 12	79 104.5	11.7	35	12.1	8	12	6	5.2	B-M6F	9		
SVS 45R SVS 45LR	52	86	138.2 171	60	60 80	M10 × 17	105 137.8	14.7	40.4	13.9	8	16	8.5	5.2	B-PT1/8	11.6		
SVS 55R SVS 55LR	63	100	163.3 200.5	65	75 95	M12 × 18	123.6 160.8	17.7	49	16.6	10	16	10	5.2	B-PT1/8	14		
SVS 65R SVS 65LR	75	126	186 246	76	70 110	M16 × 20	143.6 203.6	21.6	60	19	15	16	8.7	8.2	B-PT1/8	15		

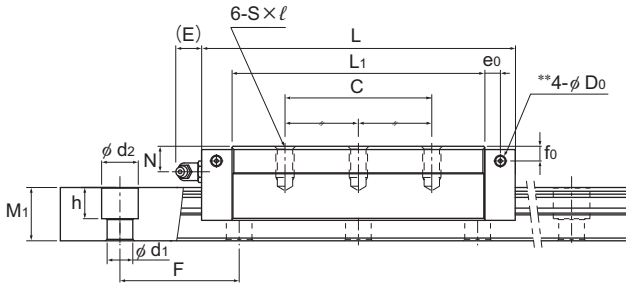
Model number coding

SVS45	LR	2	QZ	TTHH	C0	+1200L	P	T	-II
Model No.	Type of LM block	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol	LM rail length (in mm)	Radial clearance symbol	Symbol for LM rail jointed use	Accuracy symbol	Symbol for No. of rails used on the same plane
					Normal (No symbol)	Light preload (C1)	Normal grade (No Symbol)/High accuracy grade (H)	Normal grade (No Symbol)/High accuracy grade (H)	
					Medium preload (C0)		Precision grade (P)/Super precision grade (SP)	Precision grade (P)/Super precision grade (SP)	
							Ultra precision grade (UP)	Ultra precision grade (UP)	

Note) This model number indicates that an LM block and an LM rail constitute one set (i.e., the required number of sets when 2 rails are used in parallel is 2).

Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ.

See **A1-545** for contamination protection accessories, see **A1-73** for radial clearance symbol. See **A1-79** for accuracy symbol. See **A1-13** for symbol for number of rails used on the same plane.



SVS-LR

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width W ₁ 0 -0.05	Height M ₁	Pitch F	Length Max*	C	C ₀	M _A		M _B		M _C	LM block kg	LM rail kg/m		
						1 block	Double blocks	1 block	Double blocks	1 block				
25	12.5	17	40	6×9.5×8.5	3000	37 43.7	52.2 66.1	0.479 0.75	2.41 3.71	0.443 0.693	2.23 3.43	0.525 0.665	0.4 0.5	2.9
28	16	21	80	7×11×9	3000	52 64.4	70.1 95.2	0.722 1.31	3.86 6.3	0.667 1.21	3.58 5.83	0.798 1.08	0.7 0.9	4.2
34	18	24.5	80	9×14×12	3000	68.6 86.1	88.6 123	1 1.88	5.49 9.15	0.927 1.73	5.09 8.46	1.2 1.67	1 1.3	6.0
45	20.5	29	105	14×20×17	3090	105 123	142 178	2.19 3.58	10.9 17.5	2.02 3.31	10.1 16.2	2.6 3.44	1.8 2.3	9.5
53	23.5	36.5	120	16×23×20	3060	136 164	180 237	3.17 5.4	16.4 26	2.93 4.99	15.1 24	3.76 4.96	3.3 4.3	14
63	31.5	43	150	18×26×22	3000	208 260	269 370	5.76 10.7	27.7 49.6	5.33 9.88	25.6 45.8	6.66 9.16	6.0 8.5	19.6

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See [A1-138](#).)

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

For oil lubrication, be certain to let THK know the mounting orientation and where the LM block piping joint should be attached.

(Mounting orientation: see [A1-12](#), Lubricant: see [A24-2](#))

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

** These are the side nipple pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator.

Pilot holes for side nipples are not drilled through for models other than those stated above.

For grease nipple mount machining, contact THK.

Note2) The basic load rating in the dimension table is for a load in the radial direction. Use Table 7 on [A1-61](#) to calculate the load rating for loads in the reverse radial direction or lateral direction.