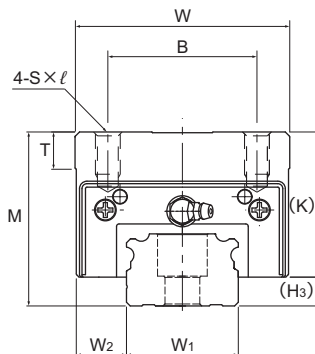


Models SVR-RH, SVR-LRH, SVS-RH, and SVS-LRH



Model No.	Outer dimensions			LM block dimensions												H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	f ₀	E	e ₀	D ₀	Grease nipple	
	M	W	L													
SVR 35RH SVS 35RH	55	70	109.5	50	50	M8×12	79	11.7	46	23.1	19	12	6	5.2	B-M6F	9
SVR 35LRH SVS 35LRH	55	70	135	50	72	M8×12	104.5	11.7	46	23.1	19	12	6	5.2	B-M6F	9
SVR 45RH SVS 45RH	70	86	138.2	60	60	M10×17	105	14.7	58.4	31.9	26	16	8.5	5.2	B-PT1/8	11.6
SVR 45LRH SVS 45LRH	70	86	171	60	80	M10×17	137.8	14.7	58.4	31.9	26	16	8.5	5.2	B-PT1/8	11.6
SVR 55RH SVS 55RH	80	100	163.3	75	75	M12×18	123.6	17.7	66	33.6	27	16	10	5.2	B-PT1/8	14
SVR 55LRH SVS 55LRH	80	100	200.5	75	95	M12×18	160.8	17.7	66	33.6	27	16	10	5.2	B-PT1/8	14

Model number coding

SVR35 RH 2 QZ TTHH C0 +920L H T - II

Model No.

Type of
LM block

With QZ
Lubricator

Contamination
protection accessory
symbol

LM rail length (in mm)
Radial clearance symbol
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

Symbol for
LM rail jointed use

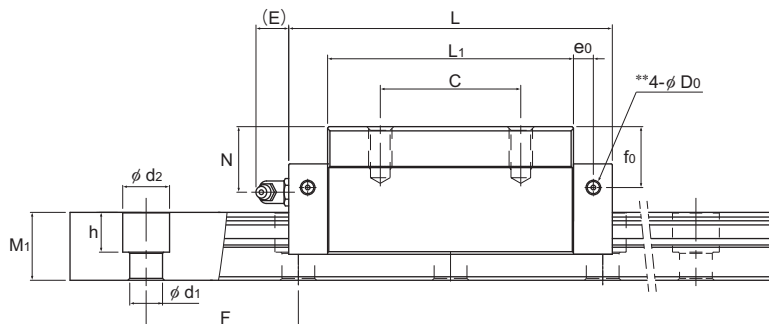
Symbol for No. of rails
used on the same plane

No. of LM blocks
used on the same rail

Accuracy symbol
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
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.



Unit: mm

	LM rail dimensions						Basic load rating		Static permissible moment kN·m*						Mass	
	Width W ₁ 0 -0.05		Height W ₂	Pitch M ₁		Length d ₁ ×d ₂ ×h Max*	C kN	C ₀ kN						LM block kg	LM rail kg/m	
									1 block	Double blocks	1 block	Double blocks	1 block			
34	18	24.5	80	9×14×12	3000	89.6 68.6	116 88.6	1.26 1	6.91 5.49	0.769 0.927	4.2 5.09	1.64 1.2	1.5	6.0		
34	18	24.5	80	9×14×12	3000	112 86.1	160 123	2.35 1.88	11.5 9.15	1.42 1.73	6.91 8.46	2.26 1.67	2	6.0		
45	20.5	29	105	14×20×17	3090	138 105	186 142	2.76 2.19	13.7 10.9	1.67 2.02	8.3 10.1	3.5 2.6	3.1	9.5		
45	20.5	29	105	14×20×17	3090	161 123	233 178	4.52 3.58	22.1 17.5	2.74 3.31	13.4 16.2	4.6 3.44	4.1	9.5		
53	23.5	36.5	120	16×23×20	3060	177 136	235 180	3.99 3.17	20.6 16.4	2.42 2.93	12.4 15.1	5.07 3.76	4.7	14		
53	23.5	36.5	120	16×23×20	3060	214 164	309 237	6.8 5.4	32.7 26	4.1 4.99	19.7 24	6.67 4.96	6.2	14		

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.