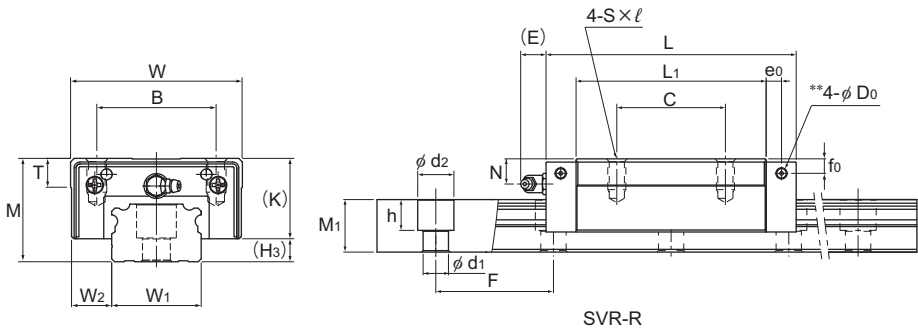


# Models SVR-R and SVR-LR



Model No.	Outer dimensions			LM block dimensions													H <sub>3</sub>
	Height	Width	Length	B	C	S × ℓ	L <sub>1</sub>	T	K	N	f <sub>0</sub>	E	e <sub>0</sub>	D <sub>0</sub>	Grease nipple		
	M	W	L														
SVR 25R SVR 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	
SVR 30R SVR 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	
SVR 35R SVR 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	
SVR 45R SVR 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	
SVR 55R SVR 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	
SVR 65R SVR 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

**SVR45 LR 2 QZ TTHH C0 +1200L P 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

Accuracy symbol

Normal grade (No Symbol)/High accuracy grade (H)

Precision grade (P)/Super precision grade (SP)

Ultra precision grade (UP)

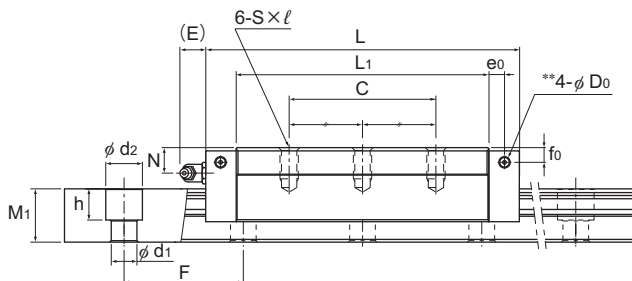
Symbol for No. of rails used on the same plane

No. of LM blocks used on the same rail

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.



SVR-LR

Unit: mm

LM rail dimensions					Basic load rating		Static permissible moment kN·m*					Mass		
Width	Height	Pitch	Length		C	C <sub>0</sub>	M <sub>A</sub>		M <sub>B</sub>		M <sub>C</sub>	LM block	LM rail	
W <sub>1</sub> 0 -0.05	W <sub>2</sub>	M <sub>1</sub>	F	d <sub>1</sub> × d <sub>2</sub> × h	Max*	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
25	12.5	17	40	6 × 9.5 × 8.5	3000	48.2 57	68.1 86.3	0.602 0.944	3.02 4.67	0.365 0.57	1.83 2.81	0.71 0.9	0.4 0.5	2.9
28	16	21	80	7 × 11 × 9	3000	67.9 84	91.6 124	0.907 1.64	4.85 7.92	0.552 0.991	2.94 4.76	1.08 1.47	0.7 0.9	4.2
34	18	24.5	80	9 × 14 × 12	3000	89.6 112	116 160	1.26 2.35	6.91 11.5	0.769 1.42	4.2 6.91	1.64 2.26	1 1.3	6.0
45	20.5	29	105	14 × 20 × 17	3090	138 161	186 233	2.76 4.52	13.7 22.1	1.67 2.74	8.3 13.4	3.5 4.6	1.8 2.3	9.5
53	23.5	36.5	120	16 × 23 × 20	3060	177 214	235 309	3.99 6.8	20.6 32.7	2.42 4.1	12.4 19.7	5.07 6.67	3.3 4.3	14
63	31.5	43	150	18 × 26 × 22	3000	271 339	352 484	7.26 13.5	34.9 62.6	4.4 8.14	21.1 37.6	9 12.4	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.