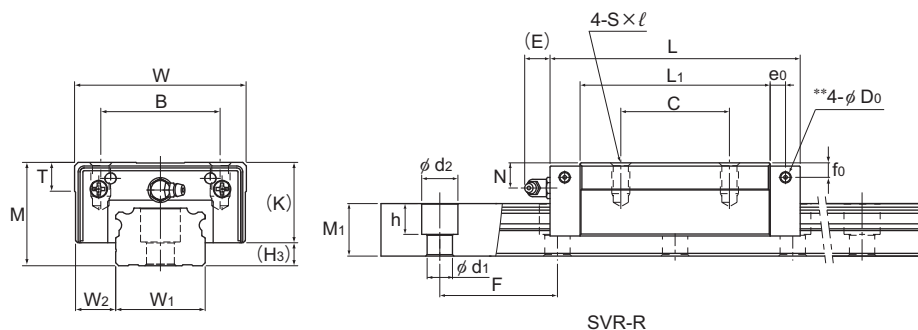


Models SVR-R and SVR-LR



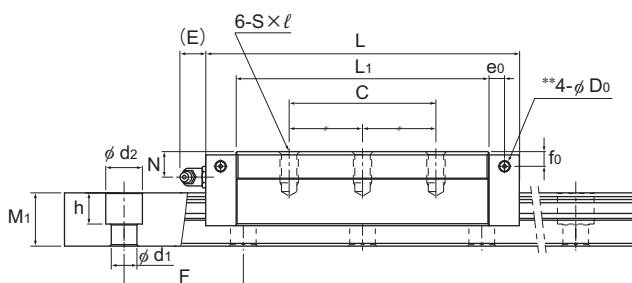
Model No.	Outer dimensions			LM block dimensions												H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	f ₀	E	e ₀	D ₀	Grease nipple	
	M	W	L													
SVR 25R SVR 25LR	31	50	82.8 102	32	35 50	M6×8	61.4 80.6	9.7	25.5	7.8	5.1	12	4.5	3.9	B-M6F	5.5
SVR 30R SVR 30LR	38	60	98 120.5	40	40 60	M8×10	72.1 94.6	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	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol (*1)	LM rail length (in mm)	Radial clearance symbol (*2)	Symbol for LM rail jointed use	Accuracy symbol (*3)	Symbol for No. of rails used on the same plane (*4)
					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)	

(*1) See contamination protection accessory on **A1-516**. (*2) See **A1-71**. (*3) See **A1-77**. (*4) See **A1-13**.

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



SVR-LR

Unit: mm

	LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
	Width		Height	Pitch		Length	C	C ₀	M _A		M _B		M _C	LM block	LM rail
	W ₁ 0 -0.05	W ₂	M ₁	F	d ₁ × d ₂ × 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 **A1-136**.)

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 **A1-491** or **A1-512**)

** A pilot hole for side nipples, when a grease nipple for a model equipped with LaCS or QZ Lubricator is needed.

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 Table7 on **A1-59** to calculate the load rating for loads in the reverse radial direction or lateral direction.