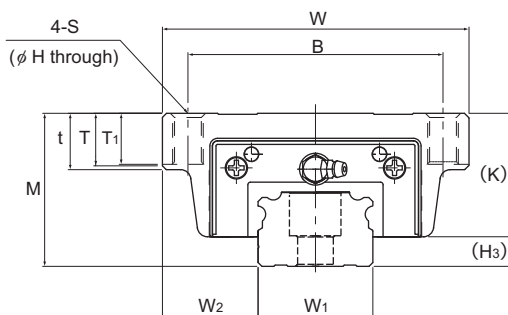


Models SVR-CH, SVR-LCH, SVS-CH, and SVS-LCH



Model No.	Outer dimensions			LM block dimensions																Grease nipple	H ₃
	Height	Width	Length	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀				
	M	W	L	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀		H ₃		
SVR 35CH SVS 35CH	48	100	109.5	82	62	M10	8.5	79	20	19	16	39	16.1	12	12	6	5.2	B-M6F	9		
SVR 35LCH SVS 35LCH	48	100	135	82	62	M10	8.5	104.5	20	19	16	39	16.1	12	12	6	5.2	B-M6F	9		
SVR 45CH SVS 45CH	60	120	138.2	100	80	M12	10.5	105	22	20.5	20	48.4	21.9	16	16	8.5	5.2	B-PT1/8	11.6		
SVR 45LCH SVS 45LCH	60	120	171	100	80	M12	10.5	137.8	22	20.5	20	48.4	21.9	16	16	8.5	5.2	B-PT1/8	11.6		
SVR 55CH SVS 55CH	70	140	163.3	116	95	M14	12.5	123.6	24	22.5	22	56	23.6	17	16	10	5.2	B-PT1/8	14		
SVR 55LCH SVS 55LCH	70	140	200.5	116	95	M14	12.5	160.8	24	22.5	22	56	23.6	17	16	10	5.2	B-PT1/8	14		

Model number coding

SVR45 LCH 2 QZ TTHH C0 +1200L P T - II

Model No.

Type of LM block

With QZ Lubricator

Contamination protection accessory symbol (*1)

LM rail length (in mm)
Radial clearance symbol (*2)
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 (*4)

Accuracy symbol (*3)

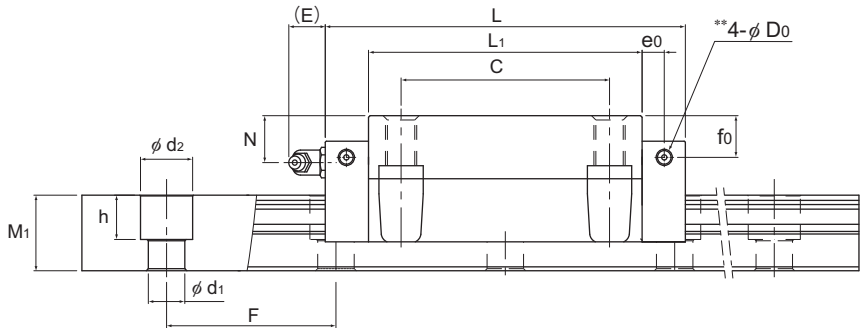
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

No. of LM blocks used on the same rail

(*1) See contamination protection accessory on **A1-543**. (*2) See **A1-73**. (*3) See **A1-79**. (*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.



Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width W ₁ 0 -0.05	W ₂	Height M ₁	Pitch F	d ₁ × d ₂ × h	Length Max*	C kN	C ₀ kN	M _A		M _B		M _C	LM block kg	LM rail kg/m
								1 block	Double blocks	1 block	Double blocks	1 block		
34	33	24.5	80	9 × 14 × 12	3000	89.6	116	1.26	6.91	0.769	4.2	1.64	1.7	6.0
						68.6	88.6	1	5.49	0.927	5.09	1.2		
34	33	24.5	80	9 × 14 × 12	3000	112	160	2.35	11.5	1.42	6.91	2.26	2.2	6.0
						86.1	123	1.88	9.15	1.73	8.46	1.67		
45	37.5	29	105	14 × 20 × 17	3090	138	186	2.76	13.7	1.67	8.3	3.5	3.3	9.5
						105	142	2.19	10.9	2.02	10.1	2.6		
45	37.5	29	105	14 × 20 × 17	3090	161	233	4.52	22.1	2.74	13.4	4.6	4.3	9.5
						123	178	3.58	17.5	3.31	16.2	3.44		
53	43.5	36.5	120	16 × 23 × 20	3060	177	235	3.99	20.6	2.42	12.4	5.07	5.1	14
						136	180	3.17	16.4	2.93	15.1	3.76		
53	43.5	36.5	120	16 × 23 × 20	3060	214	309	6.8	32.7	4.1	19.7	6.67	6.6	14
						164	237	5.4	26	4.99	24	4.96		

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 [A1-517](#) or [A1-539](#))

** 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 Table 7 on [A1-61](#) to calculate the load rating for loads in the reverse radial direction or lateral direction.