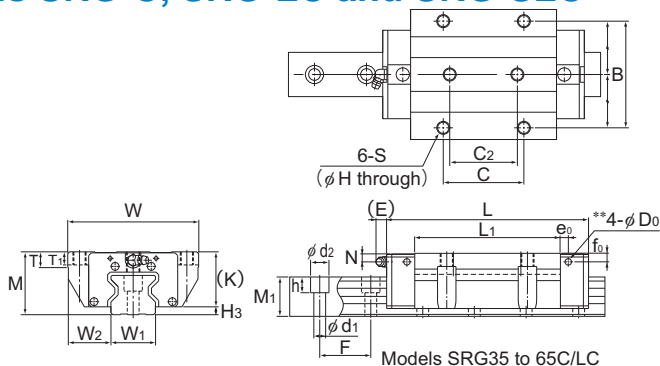


Models SRG-C, SRG-LC and SRG-SLC



Models SRG35 to 65C/LC

Model No.	Outer dimensions			LM block dimensions																Grease nipple
	Height	Width	Length	B	C	C ₂	S	H	ℓ ₁	ℓ ₂	L ₁	T	T ₁	K	N	E	e ₀	f ₀	D ₀	
	M	W	L																	
SRG 35C SRG 35LC SRG 35SLC	48	100	125 155 180.8	82	62 100	52 —	M10	8.5	—	—	82.2 112.2 138.0	11.5	10	42	6.5	12	6	6	5.2	B-M6F
SRG 45C SRG 45LC SRG 45SLC	60	120	155 190 231.5	100	80 120	60 —	M12	10.5	—	—	107 142 183.5	14.5	15	52	10	16	7	7	5.2	B-PT1/8
SRG 55C SRG 55LC SRG 55SLC	70	140	185 235 292	116	95 150	70 —	M14	12.5	—	—	129.2 179.2 236.2	17.5	18	60	12	16	9	8.5	5.2	B-PT1/8
SRG 65C SRG 65LC SRG 65SLC	90	170	244.9 303 380	142	110 200	82 —	M16	14.5	—	—	171.7 229.8 306.8	19.5	20	78.5	17	16	9	13.5	5.2	B-PT1/8

Model number coding

SRG45 LC 2 QZ TTHH C0 +1200L P Z T - II

Model number

Type of LM block

With QZ Lubricator

Contamination protection accessory symbol (*1)

LM rail length (in mm)

With plate cover

Symbol for No. of rails used on the same plane (*4)

No. of LM blocks used on the same rail

Radial clearance symbol (*2)

Normal (No symbol)

Light preload (C1)

Medium preload (C0)

Accuracy symbol (*3)

High accuracy grade (H)/Precision grade (P/

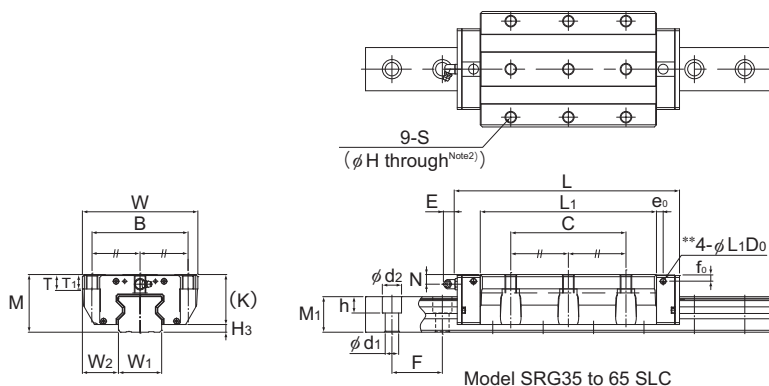
Super precision grade (SP)/Ultra precision grade (UP)

Symbol for LM rail jointed use

(*1) See contamination protection accessory on **▲1-496**. (*2) See **▲1-72**. (*3) See **▲1-76**. (*4) See **▲1-13**.

Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

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

H ₃	LM rail dimensions							Basic load rating*		Static permissible moment kN-m*					Mass	
	W ₁ 0 -0.05	W ₂	M ₁	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			
6	34	33	30	40	9 × 14 × 12	3000	59.1	119	1.66	10.1	1.66	10.1	2.39	1.9	6.9	
							76	165	3.13	17	3.13	17	3.31	2.4		
							87.9	199	4.53	23.9	4.53	23.9	4.09	3.2		
8	45	37.5	37	52.5	14 × 20 × 17	3090	91.9	192	3.49	20	3.49	20	4.98	3.7	11.6	
							115	256	6.13	32.2	6.13	32.2	6.64	4.5		
							139	328	9.99	50.0	9.99	50.0	8.91	6.3		
10	53	43.5	43	60	16 × 23 × 20	3060	131	266	5.82	33	5.82	33	8.19	5.9	15.8	
							167	366	10.8	57	10.8	57	11.2	7.8		
							210	488	19.1	93.7	19.1	93.7	15.6	10.7		
11.5	63	53.5	54	75	18 × 26 × 22	3000	219	441	12.5	72.8	12.5	72.8	16.8	12.5	23.7	
							278	599	22.7	120	22.7	120	22.1	16.4		
							352	811	41.3	202	41.3	202	30.9	22.3		

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-414**.)

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 **A1-472** or **A1-492**)

The removing/mounting jig is not provided as standard. Contact THK before use.

** 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. (See **A1-415**)

Note2) If the mounting holes (4 holes) of the LM block are back spot-faced, these models can be mounted on the table from the top and the bottom as with model SRG-C.

The value in the parentheses represents a dimension if the mounting hole is back spot-faced.

Contact THK for details.

Note3) The basic dynamic load rating of the roller guide is a value based on a nominal life of 100 km.

The conversion to basic dynamic load rating for a nominal life of 50 km can be obtained from the following equation.

$$C_{50} = C \times 1.23$$

C₅₀: The basic dynamic load rating for a nominal load of 50 km

C: The basic dynamic load rating in the dimensional table