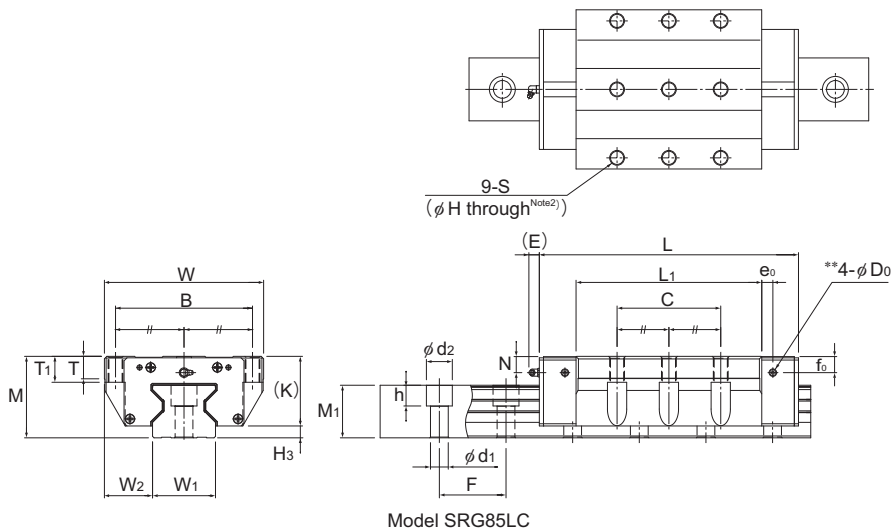


# Model SRG-LC



Model No.	Outer dimensions			LM block dimensions														Grease nipple
	Height	Width	Length															
	M	W	L	B	C	S	H	L <sub>1</sub>	T	T <sub>1</sub>	K	N	E	e <sub>0</sub>	f <sub>0</sub>	D <sub>0</sub>		
SRG 85LC	110	215	350	185	140	M20	17.8	250.8	30	35	94	22	16	15	22	8.2	B-PT1/8	
SRG 100LC	120	250	395	220	200	M20	17.8	280.2	35	38	104	23	16	15	23	8.2	B-PT1/4	

## Model number coding

**SRG85 LC 2 TT C0 +2610L P Z T - II**

Model number

Type of LM block

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)

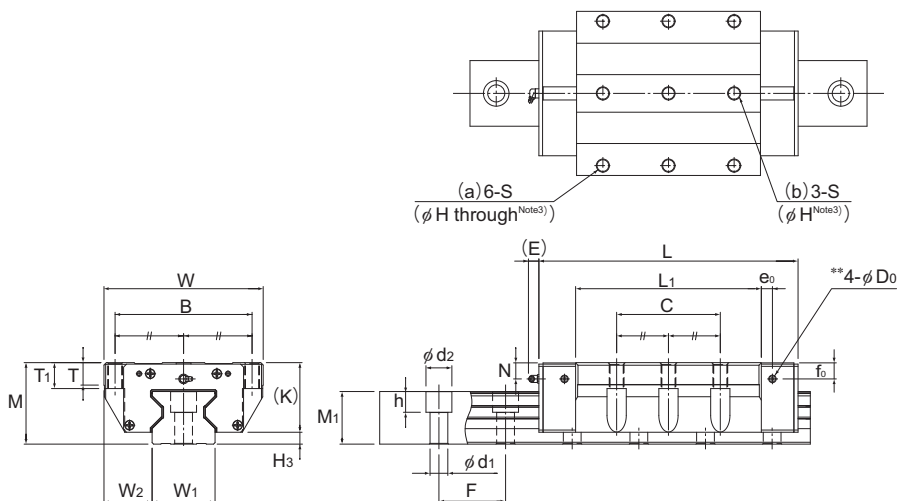
Symbol for LM rail jointed use

Accuracy symbol (\*3)  
Precision grade (P)/Super precision grade (SP)  
Ultra precision grade (UP)

(\*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.



Model SRG100LC

Unit: mm

H <sub>3</sub>	LM rail dimensions					Basic load rating <sup>1)</sup>			Static permissible moment kN-m <sup>*</sup>					Mass	
	Width	Height	Pitch	Length <sup>*</sup>	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
16	85	65	71	90	24 × 35 × 28	3000	497	990	45.3	239	45.3	239	51.9	26.2	35.7
16	100	75	77	105	26 × 39 × 32	3000	601	1170	60	319	60	319	72.3	37.6	46.8

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) The LM block mounting holes (9 holes) of SRG85LC are all through holes (full thread).

Note3) The LM block mounting holes in part (a) (6 holes) of SRG100LC are through holes (full thread).

The LM block mounting holes in part (b) (3 holes) have effective thread depth of 22 mm.

Note4) 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.

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

C<sub>50</sub>: The basic dynamic load rating for a nominal load of 50 km

C: The basic dynamic load rating in the dimensional table