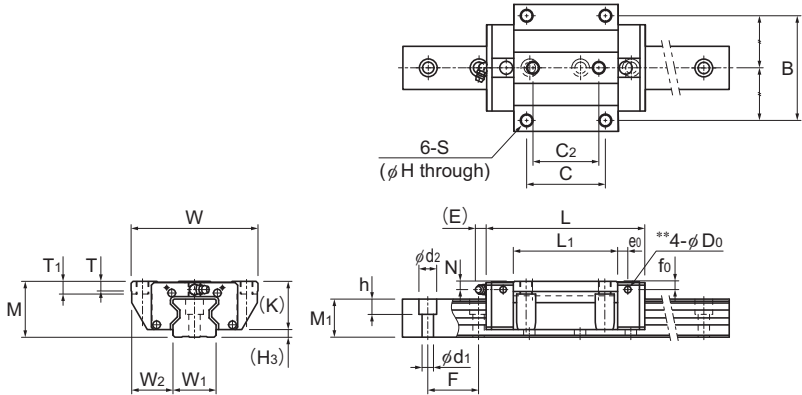


# Models SRN-C, SRN-LC and SRN-SLC



Models SRN35 to 65C/LC

Model No.	Outer dimensions			LM block dimensions														Grease nipple	H <sub>3</sub>
	Height	Width	Length	B	C	C <sub>2</sub>	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>		
	M	W	L																
SRN 35C SRN 35LC SRN 35SLC	44	100	125 155 180.8	82	62 100	52 —	M10	8.5	82.2 112.2 138	11.6 11.7	10	38	6.5	12	8	7	5.2	B-M6F	6
SRN 45C SRN 45LC SRN 45SLC	52	120	155 190 231.5	100	80 120	60 —	M12	10.5	107 142 183.5	16.5	15	45	7	12	8.5	7.6	5.2	B-M6F	7
SRN 55C SRN 55LC SRN 55SLC	63	140	185 235 292	116	95 150	70 —	M14	12.5	129 179.2 236.2	18.2	18	53	8	16	10	9.8	5.2	B-PT1/8	10
SRN 65C SRN 65LC SRN 65SLC	75	170	244.9 303 380	142	110 200	82 —	M16	14.5	171.7 229.8 306.8	21.2	20	65	14	16	9	13	5.2	B-PT1/8	10

## Model number coding

**SRN45 C 2 QZ KK C0 +1160L 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)

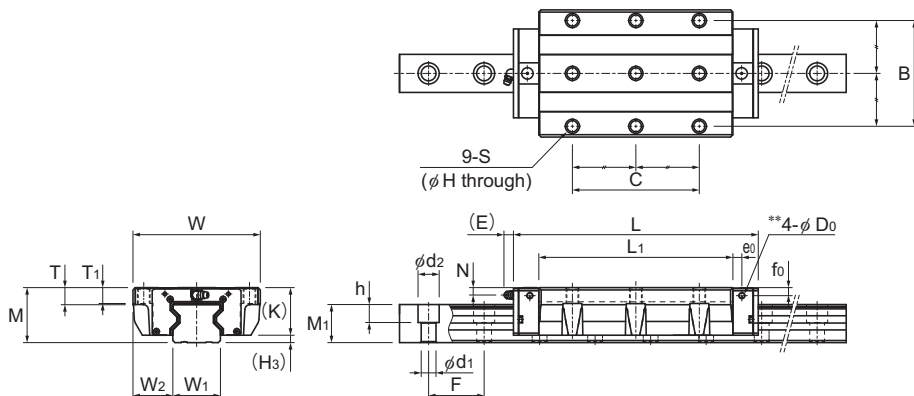
Symbol for LM rail jointed use

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

(\*1) See contamination protection accessory on **A1-532**. (\*2) See **A1-74**. (\*3) See **A1-78**. (\*4) See **A1-13**.

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.



Models SRN35 to 65SLC

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
34	33	30	40	9 × 14 × 12	3000	59.1 76 87.9	119 165 199	1.66 3.13 4.53	10.1 17 23.9	1.66 3.13 4.53	10.1 17 23.9	2.39 3.31 4.09	1.5 2.3 2.8	6.9
45	37.5	36	52.5	14 × 20 × 17	3090	91.9 115 139	192 256 328	3.49 6.13 9.99	20 32.2 50.0	3.49 6.13 9.99	20 32.2 50.0	4.98 6.64 8.91	3.1 4.1 5.4	11.3
53	43.5	43	60	16 × 23 × 20	3060	131 167 210	266 366 488	5.82 10.8 19.1	33 57 93.7	5.82 10.8 19.1	33 57 93.7	8.19 11.2 15.6	5.1 7.1 9.4	15.8
63	53.5	49	75	18 × 26 × 22	3000	219 278 352	441 599 811	12.5 22.7 41.3	72.8 120 202	12.5 22.7 41.3	72.8 120 202	16.8 22.1 30.9	10.4 13.9 18.5	21.3

Note1) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-456**.)

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 **A1-507** or **A1-528**)

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 **A1-458**)

Note2) 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