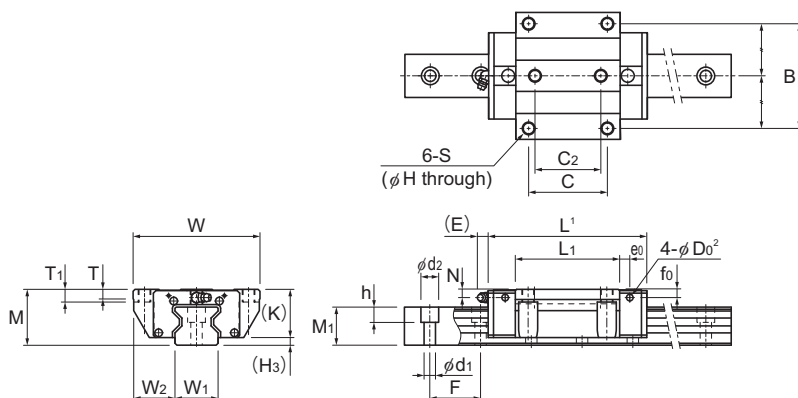


Models SRN-C, SRN-LC, and SRN-SLC



Models SRN35 and 45 C/LC

Model No.	Outer dimensions			LM block dimensions													Pilot hole for side nipple			
	Height	Width	Length ¹												Grease nipple	e ₀	f ₀	D ₀ ²		
	M	W	L																B	
SRN 35C SRN 35GC	44	100	125	82	62	52	M10	8.5	82.2	11.6	10	38	6.5	12	B-M6F	8	7	5.2	6	
SRN 35LC SRN 35GLC	44	100	155	82	62	52	M10	8.5	112.2	11.6	10	38	6.5	12	B-M6F	8	7	5.2	6	
SRN 35SLC SRN 35GSLC	44	100	180.8	82	100	—	M10	8.5	138	11.7	10	38	6.5	12	B-M6F	8	7	5.2	6	
SRN 45C SRN 45GC	52	120	155	100	80	60	M12	10.5	107	16.5	15	45	7	12	B-M6F	8.5	7.6	5.2	7	
SRN 45LC SRN 45GLC	52	120	190	100	80	60	M12	10.5	142	16.5	15	45	7	12	B-M6F	8.5	7.6	5.2	7	
SRN 45SLC SRN 45GSLC	52	120	231.5	100	120	—	M12	10.5	183.5	16.5	15	45	7	12	B-M6F	8.5	7.6	5.2	7	

Model number coding

SRN45 C 2 QZ KK C0 +1200L P Z T - II

Model
number

Type of
LM block

With QZ
lubricator

Contamination
protection
accessory
symbol

LM rail length
(in mm)

With plate
cover

Symbol for No. of
rails used on the
same plane

No. of LM blocks
used on the same
rail

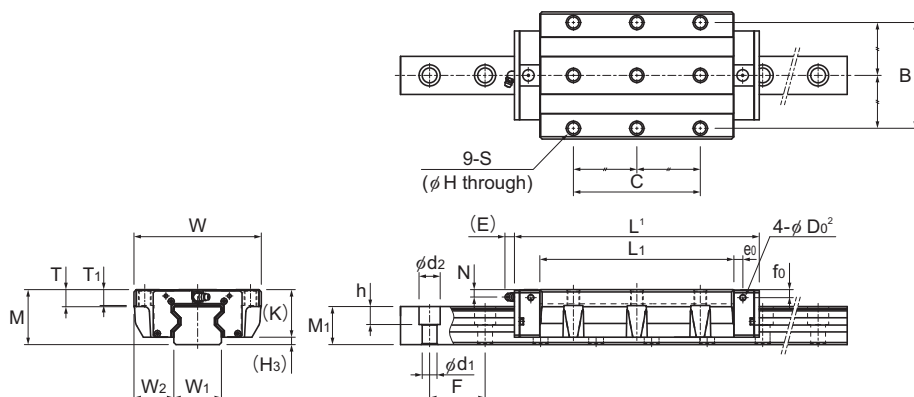
Radial clearance symbol
Normal (No symbol)/Light preload (C1)
Medium preload (C0)/Heavy preload (CN1)
Super heavy preload (CN2)

Accuracy symbol
High accuracy grade (H)/Precision grade (P)
Super precision grade (SP)/Ultra precision grade (UP)

Symbol for LM rail
jointed use

Notes: 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).

Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ. See **A1-547** for contamination protection accessories, see **A1-75** for radial clearance symbol, See **A1-79** for accuracy symbol. See **A1-13** for symbol for number of rails used on the same plane.



Models SRN35 and 45 SLC

Unit: mm

LM rail dimensions						Basic load rating ¹		Static permissible moment kN·m ⁵					Mass	
Width	Height	Pitch		Length ³		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	2 blocks	1 block	2 blocks	1 block	kg	kg/m
34	33	30	40	9 × 14 × 12	3000	59.1 55.3	119 131	1.66 1.77	10.1 11.1	1.66 1.77	10.1 11.1	2.39 2.69	1.5	6.9
34	33	30	40	9 × 14 × 12	3000	76 71.4	165 182	3.13 3.39	17 18.8	3.13 3.39	17 18.8	3.31 3.74	2.3	6.9
34	33	30	40	9 × 14 × 12	3000	87.9 83.4	199 222	4.53 5	23.9 26.6	4.53 5	23.9 26.6	4.09 4.56	2.8	6.9
45	37.5	36	52.5	14 × 20 × 17	3090	91.9 87.8	192 216	3.49 3.9	20 22.5	3.49 3.9	20 22.5	4.98 5.87	3.1	11.3
45	37.5	36	52.5	14 × 20 × 17	3090	115 110	256 288	6.13 6.87	32.2 36.3	6.13 6.87	32.2 36.3	6.64 7.83	4.1	11.3
45	37.5	36	52.5	14 × 20 × 17	3090	139 133	328 368	9.99 11.1	50 56	9.99 11.1	50 56	8.91 10	5.4	11.3

¹ Length L shown in the table is the length with the contamination protection accessories, code UU or SS.If other contamination protection accessories or lubricant equipment are installed, the total block length will increase. (See **A1-521** or **A1-543**)² D₀ are the pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator.

Pilot holes are not drilled through for models other than those stated above.

For grease nipple mount machining, contact THK.

³ The maximum length indicates the standard maximum length of an LM rail. (See **A1-456**.)⁴ 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

⁵ Static permissible moment

1 block: the static permissible moment with one LM block

2 blocks: the static permissible moment with two LM blocks in close contact with each other

Notes: The SRN-G is a cageless, Full-Roller type.

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**)

The removing/mounting jig is not provided as standard. To obtain one, please contact THK.