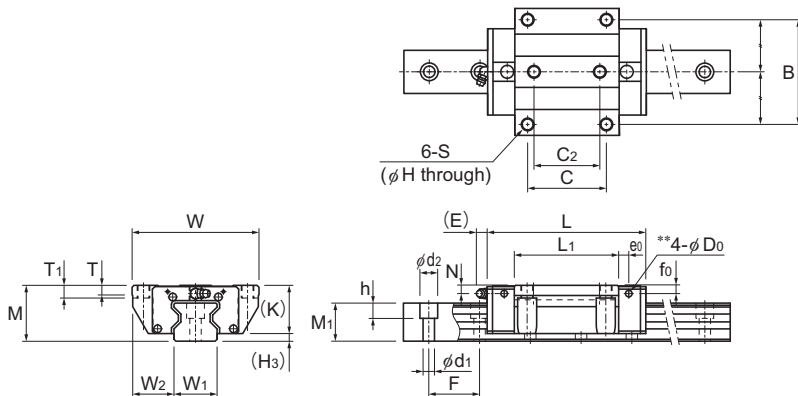


Models SRN-C, SRN-LC, and SRN-SLC



Models SRN35 and 45 C/LC

Model No.	Outer dimensions			LM block dimensions														Grease nipple	H ₃
	Height	Width	Length	B	C	C ₂	S	H	L ₁	T	T ₁	K	N	E	e ₀	f ₀	D ₀		
	M	W	L	B	C	C ₂	S	H	L ₁	T	T ₁	K	N	E	e ₀	f ₀	D ₀		
SRN 35C SRN 35GC	44	100	125	82	62	52	M10	8.5	82.2	11.6	10	38	6.5	12	8	7	5.2	B-M6F	6
SRN 35LC SRN 35GLC	44	100	155	82	62	52	M10	8.5	112.2	11.6	10	38	6.5	12	8	7	5.2	B-M6F	6
SRN 35SLC SRN 35GSLC	44	100	180.8	82	100	—	M10	8.5	138	11.7	10	38	6.5	12	8	7	5.2	B-M6F	6
SRN 45C SRN 45GC	52	120	155	100	80	60	M12	10.5	107	16.5	15	45	7	12	8.5	7.6	5.2	B-M6F	7
SRN 45LC SRN 45GLC	52	120	190	100	80	60	M12	10.5	142	16.5	15	45	7	12	8.5	7.6	5.2	B-M6F	7
SRN 45SLC SRN 45GSLC	52	120	231.5	100	120	—	M12	10.5	183.5	16.5	15	45	7	12	8.5	7.6	5.2	B-M6F	7

Note) The SRN-G is equipped with uncaged, full-complement bearings.

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 (*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)
Heavy preload (CN1)
Super heavy preload (CN2)

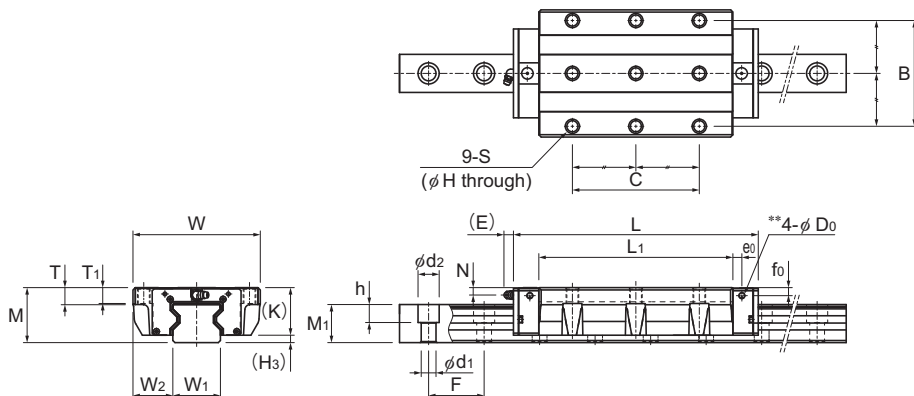
Accuracy symbol (*3)
High accuracy grade (H)/Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

Symbol for LM rail jointed use

(*1) See contamination protection accessory on **A1-543**. (*2) See **A1-75**. (*3) See **A1-79**. (*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 and 45 SLC

Unit: mm

LM rail dimensions						Basic load rating*		Static permissible moment kN·m*					Mass	
Width W ₁ 0 -0.05	Height W ₂	Pitch M ₁	Pitch F	Length* d ₁ × d ₂ × h	Length* Max	C kN	C ₀ kN	M _A		M _B		M _C	LM block	LM rail
								1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
34	33	30	40	9 × 14 × 12	3000	59.1	119	1.66	10.1	1.66	10.1	2.39	1.5	6.9
						55.3	131	1.77	11.1	1.77	11.1	2.69		
34	33	30	40	9 × 14 × 12	3000	76	165	3.13	17	3.13	17	3.31	2.3	6.9
						71.4	182	3.39	18.8	3.39	18.8	3.74		
34	33	30	40	9 × 14 × 12	3000	87.9	199	4.53	23.9	4.53	23.9	4.09	2.8	6.9
						83.4	222	5	26.6	5	26.6	4.56		
45	37.5	36	52.5	14 × 20 × 17	3090	91.9	192	3.49	20	3.49	20	4.98	3.1	11.3
						87.8	216	3.9	22.5	3.9	22.5	5.87		
45	37.5	36	52.5	14 × 20 × 17	3090	115	256	6.13	32.2	6.13	32.2	6.64	4.1	11.3
						110	288	6.87	36.3	6.87	36.3	7.83		
45	37.5	36	52.5	14 × 20 × 17	3090	139	328	9.99	50	9.99	50	8.91	5.4	11.3
						133	368	11.1	56	11.1	56	10		

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-452**.)

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**)

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 **A1-454**)

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.

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

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

C : The basic dynamic load rating in the dimensional table