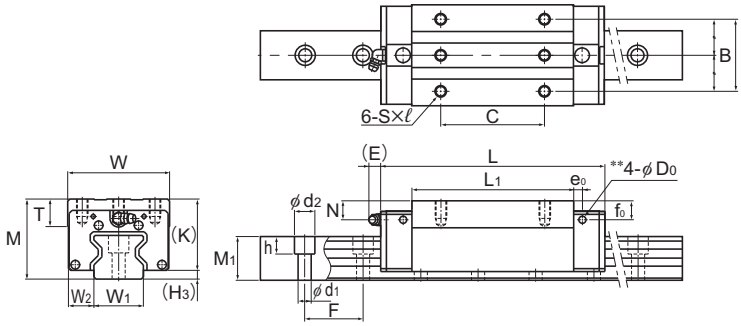
Models SRG-R, SRG-LR, and SRG-SLR



Models SRG35 and 45 R/LR

Model No.	Outer dimensions			LM block dimensions														Grease nipple
	Height M	Width W	Length L	B	C	S	ℓ	ℓ_1	ℓ_2	L_1	T	K	N	E	e_0	f_0	D_0	
SRG 35R SRG 35GR	55	70	125	50	50	M8	12	—	—	82.2	18.5	49	13.5	12	6	13	5.2	B-M6F
SRG 35LR SRG 35GLR	55	70	155	50	72	M8	12	—	—	112.2	18.5	49	13.5	12	6	13	5.2	B-M6F
SRG 35SLR SRG 35GSLR	55	70	180.8	50	100	M8	12	—	—	138	18.5	49	13.5	12	6	13	5.2	B-M6F
SRG 45R SRG 45GR	70	86	155	60	60	M10	20	—	—	107	24.5	62	20	16	7	17	5.2	B-PT1/8
SRG 45LR SRG 45GLR	70	86	190	60	80	M10	20	—	—	142	24.5	62	20	16	7	17	5.2	B-PT1/8
SRG 45SLR SRG 45GSLR	70	86	231.5	60	120	M10	20	—	—	183.5	24.5	62	20	16	7	17	5.2	B-PT1/8

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

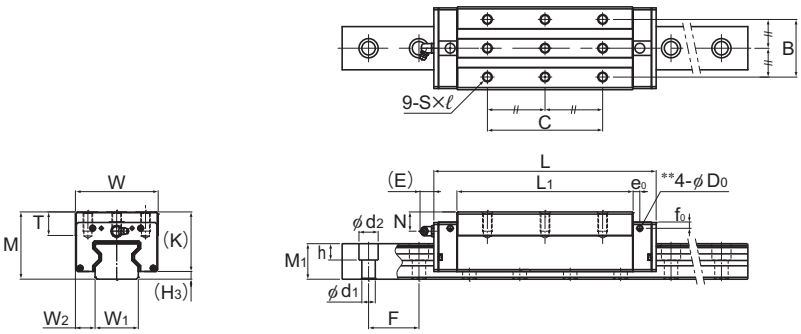
Model number coding

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

- SRG45: Model number
- LR: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- TTHH: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2) — Normal (No symbol), Light preload (C1), Medium preload (C0)
- +1200L: LM rail length (in mm)
- P: Accuracy symbol (*3) — High accuracy grade (H)/Precision grade (P), Super precision grade (SP)/Ultra precision grade (UP)
- Z: With plate cover
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane (*4)

(*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 SRG35 and 45 SLR

Unit: mm

	H3	LM rail dimensions: Width W1 0 -0.05	W2	Height M1	Pitch F	d1×d2×h	Length* Max	Basic load rating*: C kN	C0 kN	Static permissible moment kN·m*: MA 1 block	MA Double blocks	MB 1 block	MB Double blocks	MC 1 block	Mass: LM block kg	LM rail kg/m
	6	34	18	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	1.6	6.9
	6	34	18	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	2.1	6.9
	6	34	18	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	2.6	6.9
	8	45	20.5	37	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	3.2	11.6
	8	45	20.5	37	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	11.6
	8	45	20.5	37	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	11.6

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See A1-434.)
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. To obtain one, please contact THK.
** The diagram shows the side nipple pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator. In all cases other than those indicated above, the side nipple pilot holes will not be through holes.
For grease nipple mount machining, contact THK. (See A1-436)
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_{50} : The basic dynamic load rating for a nominal load of 50 km
C : The basic dynamic load rating in the dimensional table

Options⇒A1-503