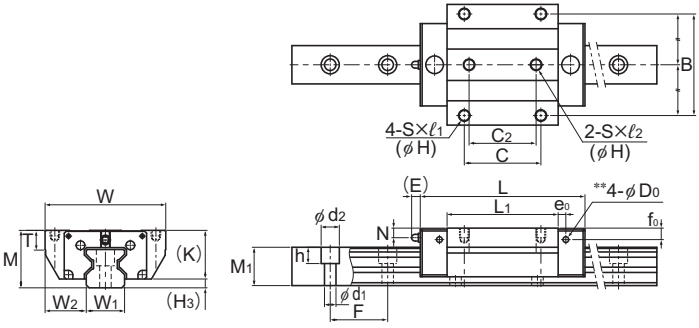
Models SRG-A, SRG-LA, SRG-C and SRG-LC



Models SRG15X and 20X A/LA

Model No.	Outer dimensions			LM block dimensions																Grease nipple
	Height M	Width W	Length L	B	C	C_2	S	H*	ℓ_1	ℓ_2	L_1	T	T_1*	K	N	E	e_0	f_0	D_0	
SRG 15XA	24	47	69.2	38	30	26	M5	(4.3)	8	7.5	45	7	(8)	20	4	4.5	4	6	2.9	PB107
SRG 20XA SRG 20XLA	30	63	86.2 106.2	53	40	35	M6	(5.4)	10	9	58 78	10	(10)	25.4	5	4.5	4	6	2.9	PB107
SRG 25XC SRG 25XLC	36	70	95.1 115.1	57	45	40	M8	6.8	—	—	65.5 85.5	9.5	10	31.5	5.5	12	6	7.3	5.2	B-M6F
SRG 30XC SRG 30XLC	42	90	111 135	72	52	44	M10	8.5	—	—	75 99	12	14	37	6.5	12	6	7.5	5.2	B-M6F

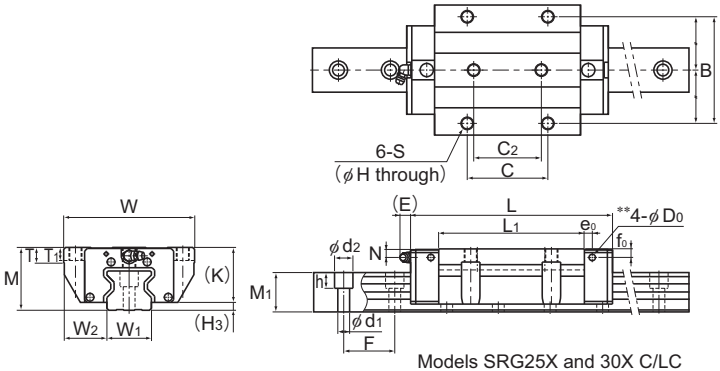
Model number coding

SRG30X LC 2 QZ TTHH C0 +1200L P Z T -II

- SRG30X: Model number
- LC: 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 **A1-524**. (*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 SRG25X and 30X C/LC

Unit: mm

	H3	LM rail dimensions						Basic load rating*		Static permissible moment kN·m*					Mass	
		Width W1 0 -0.05	W2	Height M1	Pitch F	d1×d2×h	Length* Max	C kN	C0 kN	MA 1 block	MA Double blocks	MB 1 block	MB Double blocks	MC 1 block	LM block kg	LM rail kg/m
	4	15	16	15.5	30	4.5×7.5×5.3	3000	11.3	25.8	0.21	1.24	0.21	1.24	0.24	0.2	1.58
	4.6	20	21.5	20	30	6×9.5×8.5	3000	21 26.7	46.9 63.8	0.48 0.88	2.74 4.49	0.48 0.88	2.74 4.49	0.58 0.79	0.42 0.57	2.58
	4.5	23	23.5	23	30	7×11×9	3000	27.9 34.2	57.5 75	0.64 1.07	3.7 5.74	0.64 1.07	3.7 5.74	0.8 1.03	0.7 0.9	3.6
	5	28	31	26	40	9×14×12	3000	39.3 48.3	82.5 108	1.02 1.76	6.21 9.73	1.02 1.76	6.21 9.73	1.47 1.92	1.2 1.6	4.4

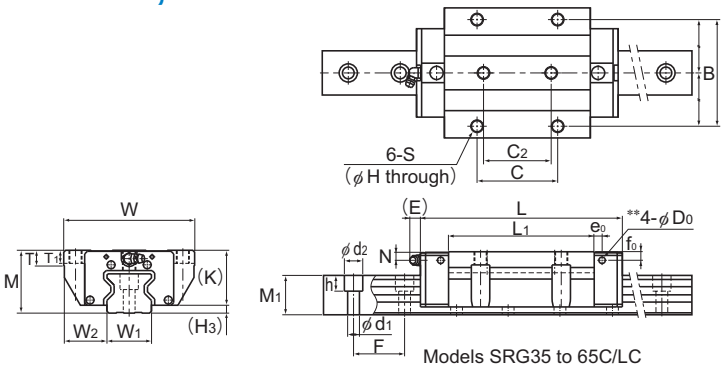
Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-434**.)
Static permissible moment* 1 block: the static permissible moment with one LM block
Double blocks: static permissible moment when two LM blocks are in close contact with each other
For oil 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 **A1-499** or **A1-520**)
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 **A1-436**)
Note2) H*, T1* If the mounting holes (4 holes) of the LM block are back spot-faced, these models can be mounted on the table from the top and the bottom as with the Model SRG-C.
The value in the parentheses represents a dimension if the mounting hole is back spot-faced.
Contact THK for details.
Note3) 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⇒A1-485

Models SRG-C, SRG-LC and SRG-SLC



Models SRG35 to 65C/LC

Model No.	Outer dimensions			LM block dimensions																
	Height M	Width W	Length L	B	C	C_2	S	H	ℓ_1	ℓ_2	L_1	T	T_1	K	N	E	e_0	f_0	D_0	Grease nipple
SRG 35C SRG 35LC SRG 35SLC	48	100	125 155 180.8	82	62 62 100	52 52 —	M10	8.5	—	—	82.2 112.2 138	11.5	10	42	6.5	12	6	6	5.2	B-M6F
SRG 45C SRG 45LC SRG 45SLC	60	120	155 190 231.5	100	80 80 120	60 60 —	M12	10.5	—	—	107 142 183.5	14.5	15	52	10	16	7	7	5.2	B-PT1/8
SRG 55C SRG 55LC SRG 55SLC	70	140	185 235 292	116	95 95 150	70 70 —	M14	12.5	—	—	129.2 179.2 236.2	17.5	18	60	12	16	9	8.5	5.2	B-PT1/8
SRG 65C SRG 65LC SRG 65SLC	90	170	244.9 303 380	142	110 110 200	82 82 —	M16	14.5	—	—	171.7 229.8 306.8	19.5	20	78.5	17	16	9	13.5	5.2	B-PT1/8

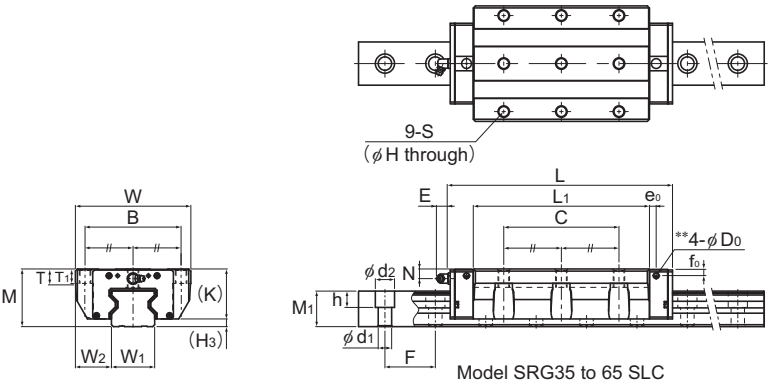
Model number coding

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

- SRG45: Model number
- LC: 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 **A1-524**. (*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.



Model SRG35 to 65 SLC

Unit: mm

		LM rail dimensions						Basic load rating*		Static permissible moment kN·m*						Mass	
		Width		Height	Pitch		Length*	C	C_0	M_A		M_B		M_C		LM block	LM rail
	H_3	W_1 0 -0.05	W_2	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block		kg	kg/m
	6	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		1.9 2.4 3.2	6.9
	8	45	37.5	37	52.5	14×20×17	3090	91.9 115 139	192 256 328	3.49 6.13 9.99	20 32.2 50	3.49 6.13 9.99	20 32.2 50	4.98 6.64 8.91		3.7 4.5 6.3	11.6
	10	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		5.9 7.8 10.7	15.8
	11.5	63	53.5	54	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		12.5 16.4 22.3	23.7

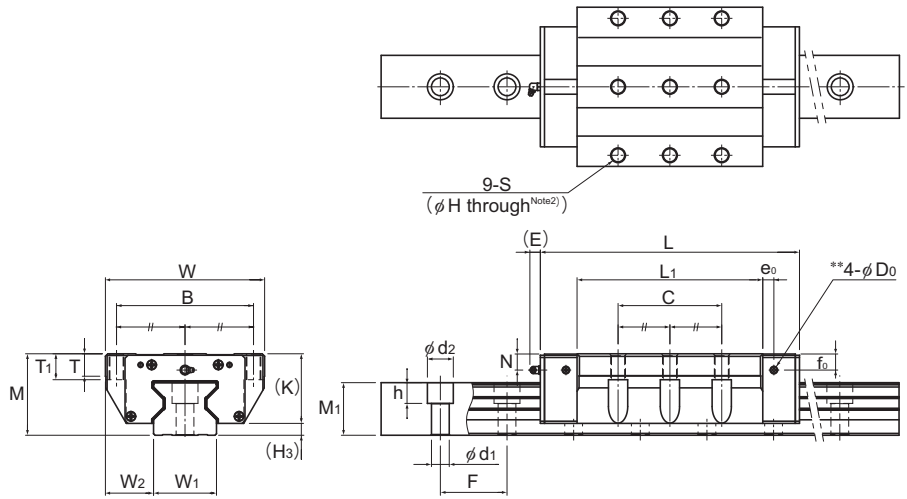
Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-434**.)
Static permissible moment* 1 block: the static permissible moment with one LM block
Double blocks: static permissible moment when two LM blocks are in close contact with each other
For oil 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 **A1-499** or **A1-520**)
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 **A1-436**)
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⇒A1-485

Model SRG-LC



Model SRG85LC

Model No.	Outer dimensions			LM block dimensions													Grease nipple
	Height M	Width W	Length L	B	C	S	H	L_1	T	T_1	K	N	E	e_0	f_0	D_0	
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

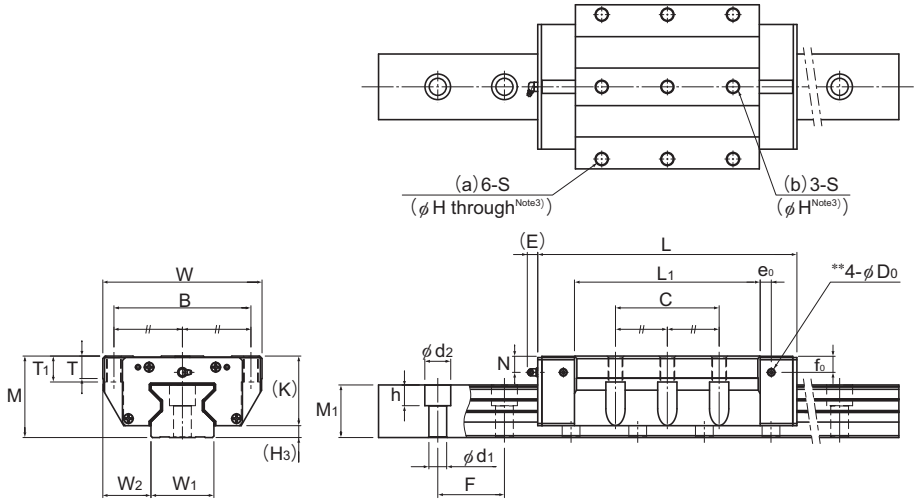
Model number coding

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

- SRG85: Model number
- LC: Type of LM block
- 2: No. of LM blocks used on the same rail
- TT: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2)
  - Normal (No symbol)
  - Light preload (C1)
  - Medium preload (C0)
- +2610L: LM rail length (in mm)
- P: Accuracy symbol (*3)
  - 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 **A1-524**. (*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.



Model SRG100LC

Unit: mm

		LM rail dimensions						Basic load rating*		Static permissible moment kN·m*						Mass	
		Width		Height	Pitch		Length*	C	C0	MA		MB		MC		LM block	LM rail
	H3	W1 0 -0.05	W2	M1	F	d1×d2×h	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block		kg	kg/m
	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

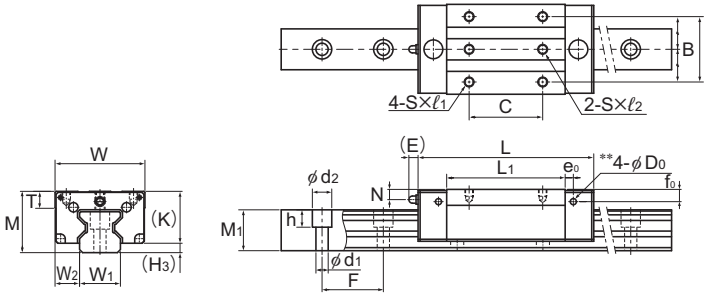
Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See A1-434.)
Static permissible moment* 1 block: the static permissible moment with one LM block
Double blocks: static permissible moment when two LM blocks are in close contact with each other
For oil lubrication, 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 A1-499 or A1-520)
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 A1-436)
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_{50} :The basic dynamic load rating for a nominal load of 50 km
C :The basic dynamic load rating in the dimensional table

Options⇒A1-485

Models SRG-V, SRG-LV, SRG-R and SRG-LR



Models SRG15X and 20X V/LV

Model No.	Outer dimensions			LM block dimensions														Grease nipple
	Height M	Width W	Length L	B	C	S	ℓ	ℓ1	ℓ2	L1	T	K	N	E	e0	f0	D0	
SRG 15XV	24	34	69.2	26	26	M4	—	5	7.5	45	6	20	4	4.5	4	6	2.9	PB107
SRG 20XV SRG 20XLV	30	44	86.2 106.2	32	36 50	M5	—	7	9	58 78	8	25.4	5	4.5	4	6	2.9	PB107
SRG 25XR SRG 25XLR	40	48	95.1 115.1	35	35 50	M6	9	—	—	65.5 85.5	9.5	35.5	9.5	12	6	11.3	5.2	B-M6F
SRG 30XR SRG 30XLR	45	60	111 135	40	40 60	M8	10	—	—	75 99	12	40	9.5	12	6	10.5	5.2	B-M6F

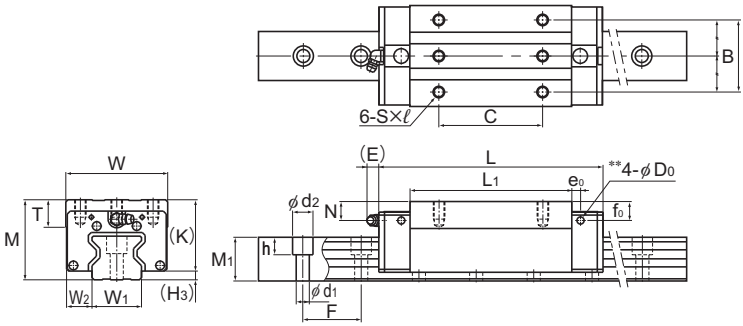
Model number coding

SRG30X LR 2 QZ TTHH C0 +1200L P Z T -II

- SRG30X: 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 **A1-524**. (*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 SRG25X and 30X R/LR

Unit: mm

		LM rail dimensions						Basic load rating*		Static permissible moment kN·m*					Mass	
		Width		Height	Pitch		Length*	C	C_0	M_A		M_B		M_C	LM block	LM rail
	H_3	W_1 0 -0.05	W_2	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
	4	15	9.5	15.5	30	4.5×7.5×5.3	3000	11.3	25.8	0.21	1.24	0.21	1.24	0.24	0.15	1.58
	4.6	20	12	20	30	6×9.5×8.5	3000	21 26.7	46.9 63.8	0.48 0.88	2.74 4.49	0.48 0.88	2.74 4.49	0.58 0.79	0.28 0.38	2.58
	4.5	23	12.5	23	30	7×11×9	3000	27.9 34.2	57.5 75	0.64 1.07	3.7 5.74	0.64 1.07	3.7 5.74	0.8 1.03	0.6 0.8	3.6
	5	28	16	26	40	9×14×12	3000	39.3 48.3	82.5 108	1.02 1.76	6.21 9.73	1.02 1.76	6.21 9.73	1.47 1.92	0.9 1.2	4.4

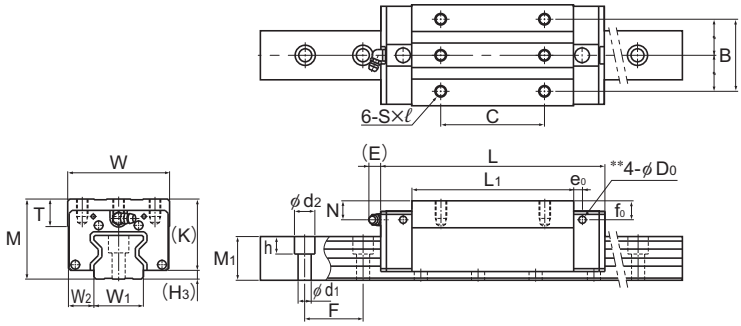
Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-434**.)
Static permissible moment* 1 block: the static permissible moment with one LM block
Double blocks: static permissible moment when two LM blocks are in close contact with each other
For oil 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 **A1-499** or **A1-520**)
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 **A1-436**)
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⇒A1-485

Models SRG-V, SRG-LV, SRG-SLV, SRG-R, SRG-LR and SRG-SLR



Models SRG35 to 65R/LR/LV

Model No.	Outer dimensions			LM block dimensions														
	Height	Width	Length															Grease nipple
	M	W	L	B	C	S	ℓ	ℓ_1	ℓ_2	L_1	T	K	N	E	e_0	f_0	D_0	
SRG 35R SRG 35LR SRG 35SLR	55	70	125 155 180.8	50	50 72 100	M8	12	—	—	82.2 112.2 138	18.5	49	13.5	12	6	13	5.2	B-M6F
SRG 45R SRG 45LR SRG 45SLR	70	86	155 190 231.5	60	60 80 120	M10	20	—	—	107 142 183.5	24.5	62	20	16	7	17	5.2	B-PT1/8
SRG 55R SRG 55LR SRG 55SLR	80	100	185 235 292	75	75 95 150	M12	18	—	—	129.2 179.2 236.2	27.5	70	22	16	9	18.5	5.2	B-PT1/8
SRG 65V SRG 65LV SRG 65SLV	90	126	244.9 303 380	76	70 120 200	M16	20	—	—	171.7 229.8 306.8	19.5	78.5	17	16	9	13.5	5.2	B-PT1/8

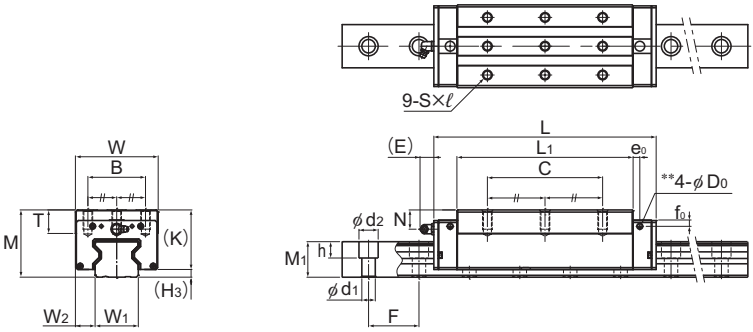
Model number coding

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 **A1-524**. (*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 SRG35 to 55 SLR

Unit: mm

		LM rail dimensions						Basic load rating*		Static permissible moment kN·m*						Mass	
		Width		Height	Pitch		Length*	C	C0	MA		MB		MC		LM block	LM rail
	H3	W1 0 -0.05	W2	M1	F	d1×d2×h	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block		kg	kg/m
	6	34	18	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		1.6 2.1 2.6	6.9
	8	45	20.5	37	52.5	14×20×17	3090	91.9 115 139	192 256 328	3.49 6.13 9.99	20 32.2 50	3.49 6.13 9.99	20 32.2 50	4.98 6.64 8.91		3.2 4.1 5.4	11.6
	10	53	23.5	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 6.9 9.2	15.8
	11.5	63	31.5	54	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		9.0 12.1 16.1	23.7

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 **A1-499** or **A1-520**)
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 **A1-436**)
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⇒A1-485

Standard Length and Maximum Length of the LM Rail

Table4 shows the standard lengths and the maximum lengths of model SRG variations. If the maximum length of the desired LM rail exceeds them, jointed rails will be used. Contact THK for details. For special rail lengths, it is recommended to use a value corresponding to the G,g dimension from the table. As the G,g dimension increases, this portion becomes less stable, and the accuracy performance is severely impacted.

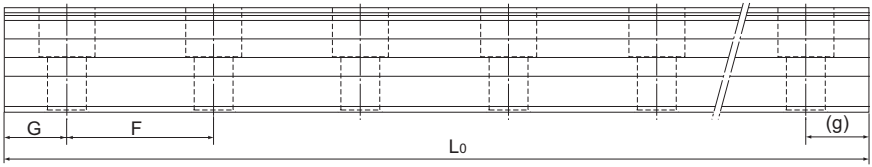


Table4 Standard Length and Maximum Length of the LM Rail for Model SRG

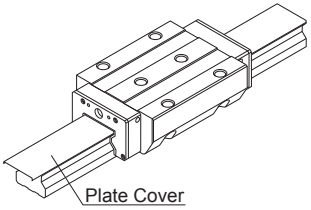
Unit: mm

Model No.	SRG 15X	SRG 20X	SRG 25X	SRG 30X	SRG 35	SRG 45	SRG 55	SRG 65	SRG 85	SRG 100
LM rail standard length (L_o)	160 220 280 340 400 460 520 580 640 700 760 820 940 1000 1060 1120 1180 1240 1360 1480 1600	220 280 340 400 460 520 580 640 700 760 820 940 1000 1060 1120 1180 1240 1360 1480 1600 1720 1840 1960 2080 2200	220 280 340 400 460 520 580 640 700 760 820 940 1000 1060 1120 1180 1240 1300 1360 1420 1480 1540 1600 1720 1840 1960 2080 2200 2320 2440	280 360 440 520 600 680 760 840 920 1000 1080 1160 1240 1320 1400 1480 1560 1640 1720 1800 1880 1960 2040 2200 2360 2520 2680 2840 3000	280 360 440 520 600 680 760 840 920 1000 1080 1160 1240 1320 1400 1480 1560 1640 1720 1800 1880 1960 2040 2200 2360 2520 2680 2840 3000	570 675 780 885 990 1095 1200 1305 1410 1515 1620 1725 1830 1935 2040 2145 2250 2355 2460 2565 2670 2775 2880 2985 3090	780 900 1020 1140 1260 1380 1500 1620 1740 1860 1980 2100 2220 2340 2460 2580 2700 2820 2940 3060	1270 1570 2020 2620	1530 1890 2250 2610	1340 1760 2180 2600
Standard pitch F	30	30	30	40	40	52.5	60	75	90	105
G,g	20	20	20	20	20	22.5	30	35	45	40
Max length	3000	3000	3000	3000	3000	3090	3060	3000	3000	3000

Note1) The maximum length varies with accuracy grades. Contact THK for details.
Note2) If jointed rails are not allowed and a greater length than the maximum values above is required, contact THK.

Plate Cover

By covering the LM rail's mounting holes with ultra-thin stainless steel (SUS304) plates, the sealability of the end seals increase drastically, helping prevent foreign materials and liquid from entering from the top of the LM rail. Contact THK for further details regarding mounting.



Note 1) The Model SRG with plate cover is not a standard specification. (Please note it is not possible to add just the plate cover afterwards.)
Note 2) The LM block must be removed from the LM rail when mounting. When doing this, a removing/mounting jig (see **A1-549**) is required. Please contact THK for details.
Note 3) Plate covers are available for models SRG 25X to 65.

Greasing Hole

[Greasing Hole for Model SRG]

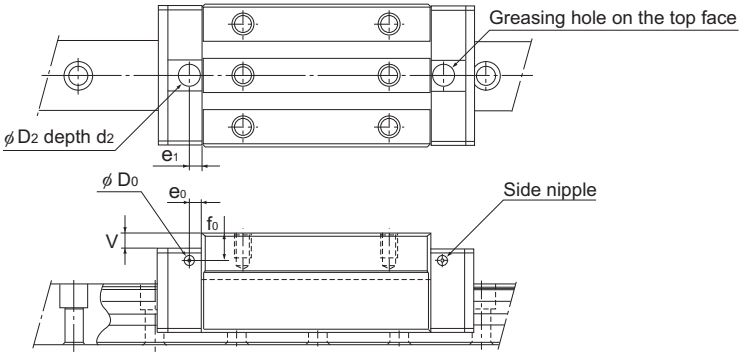
Model SRG allows lubrication from both the side and top faces of the LM block. The greasing hole of standard types is not drilled through in order to prevent foreign material from entering the LM block. When using the greasing hole, contact THK.

When using the greasing hole on the top face of models SRG-R, SRG-LR and SRG-SLR, a greasing adapter is separately required. Contact THK for details.

If the mounting orientation of the LM Guide is other than horizontal use, the lubricant may not reach the raceway completely.

Be sure to let THK know the mounting orientation and the exact position in each LM block where the grease nipple or the piping joint should be attached.

For the mounting orientation and the lubrication, see A1-12 and A24-2, respectively.



Unit: mm

Model No.		Pilot hole for side nipple			Applicable nipple	Greasing hole on the top face				
		e_0	f_0	D_0		D_2	(O-ring)	V	e_1	d_2
SRG	15XA 15XV	4	6	2.9	PB107	9.2	(P6)	0.4	5.5	1.4
	20XA 20XLA	4	6	2.9	PB107	9.2	(P6)	0.4	6.5	1.4
	20XV 20XLV	4	6	2.9	PB107	9.2	(P6)	0.4	6.5	1.4
	25XC 25XLC	6	7.3	5.2	M6F	10.2	(P7)	0.4	6	1.4
	25XR 25XLR	6	11.3	5.2	M6F	10.2	(P7)	4.5	6	1.4
	30XC 30XLC	6	7.5	5.2	M6F	10.2	(P7)	0.4	6	1.4
	30XR 30XLR	6	10.5	5.2	M6F	10.2	(P7)	3.4	6	1.4
	35C 35LC 35SLC	6	6	5.2	M6F	10.2	(P7)	0.4	6	1.4
	35R 35LR 35SLR	6	13	5.2	M6F	10.2	(P7)	7.4	6	1.4
	45C 45LC 45SLC	7	7	5.2	M6F	10.2	(P7)	0.4	7	1.4
	45R 45LR 45SLR	7	17	5.2	M6F	10.2	(P7)	10.4	7	1.4
	55C 55LC 55SLC	9	8.5	5.2	M6F	10.2	(P7)	0.4	11	1.4
	55R 55LR 55SLR	9	18.5	5.2	M6F	10.2	(P7)	10.4	11	1.4
	65C 65LC 65SLC	9	13.5	5.2	M6F	10.2	(P7)	0.4	10	1.4
	65V 65LV 65SLV	9	13.5	5.2	M6F	10.2	(P7)	0.4	10	1.4
	85LC	15	22	8.2	PT1/8	13	(P10)	0.4	10	1.4
	100LC	15	23	8.2	PT1/8	13	(P10)	0.4	10	1.4

Note1) The greasing interval is longer than that of full-roller types because of the roller cage effect. However, the actual greasing interval may vary depending on the service environment, such as a high load and high speed. Contact THK for details.
Note2) Upper surface lubrication is for oil lubrication only. Contact THK if you are considering using the greasing hole on the top face for grease lubrication.