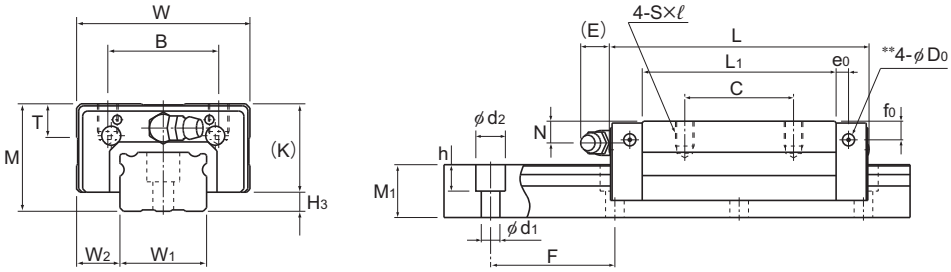
Models SNR-R and SNR-LR



Model SNR-R

Model No.	Outer dimensions			LM block dimensions												Grease nipple	H3
	Height M	Width W	Length L	B	C	S×ℓ	L1	T	K	N	f0	E	e0	D0			
SNR 25R SNR 25LR	31	50	82.8 102	32	35 50	M6×8	62.4 81.6	9.7	25.5	7	6	12	4	3.9		B-M6F	5.5
SNR 30R SNR 30LR	38	60	98 120.5	40	40 60	M8×10	72.1 94.6	9.7	31	7	7	12	6.5	3.9		B-M6F	7
SNR 35R SNR 35LR	44	70	109.5 135	50	50 72	M8×12	79 104.5	11.7	35	8	8	12	6	5.2		B-M6F	9
SNR 45R SNR 45LR	52	86	138.2 171	60	60 80	M10×17	105 137.8	14.7	40.4	10	8	16	8.5	5.2		B-PT1/8	11.6
SNR 55R SNR 55LR	63	100	163.3 200.5	65	75 95	M12×18	123.6 160.8	17.7	49	11	10	16	10	5.2		B-PT1/8	14
SNR 65R SNR 65LR	75	126	186 246	76	70 110	M16×20	143.6 203.6	21.6	60	16	15	16	8.7	8.2		B-PT1/8	15
SNR 85LR	90	156	302.8	100	140	M18×25	251	27.3	73	20	20	16	10	8.2		B-PT1/8	17

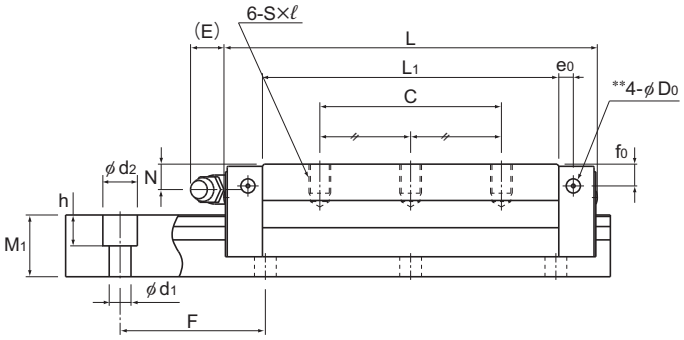
Model number coding

SNR45 LR 2 QZ KKHH C0 +1200L P Z T -II

- SNR45: Model number
- LR: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- KKHH: 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)
  - Normal grade (No Symbol)
  - High accuracy grade (H)/Precision grade (P)
  - Super precision grade (SP)/Ultra precision grade (UP)
- Z: With plate cover or steel tape (*4)
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane (*5)

(*1) See contamination protection accessory on **A1-538** (*2) See **A1-72**. (*3) See **A1-79**.
(*4) Specify the plate cover or the steel tape. (*5) 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.



Model SNR-LR

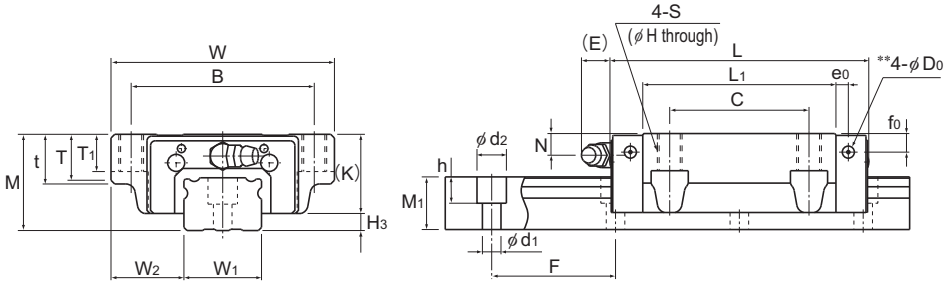
Unit: mm

	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
	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
	25	12.5	17	40	6×9.5×8.5	2500	48 57	79 101	0.682 1.14	3.62 5.55	0.427 0.708	2.25 3.4	0.868 1.1		0.4 0.6	3.1
	28	16	21	80	7×11×9	3000	68 81	106 138	1.04 1.81	5.7 8.89	0.653 1.12	3.56 5.47	1.3 1.69		0.7 0.9	4.4
	34	18	24.5	80	9×14×12	3000	90 108	144 188	1.61 2.68	8.64 13.6	1.01 1.67	5.39 8.49	2.13 2.79		1 1.4	6.2
	45	20.5	29	105	14×20×17	3090	132 161	216 288	3.29 5.4	16 26.2	2.03 3.35	9.86 16.2	4.21 5.64		1.9 2.4	9.8
	53	23.5	36.5	120	16×23×20	3060	177 214	292 383	4.99 8.41	25.7 40.9	3.11 5.22	16 25.3	6.69 8.78		3.1 4	14.5
	63	31.5	43	150	18×26×22	3000	260 340	409 572	8.05 15.9	41.2 74.5	5.03 9.84	25.6 45.7	11 15.4		5.6 8	20.5
	85	35.5	48	180	24×35×28	3000	550	887	30.3	142	18.7	87.6	31.9		14.8	29.5

Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product. THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.
The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See A1-164.)
Static permissible moment*: 1 block: static permissible moment value with 1 LM block
Double blocks: static permissible moment value with 2 blocks closely contacting with each other

Options⇒A1-501

Models SNR-C and SNR-LC



Model SNR-C

Model No.	Outer dimensions			LM block dimensions															Grease nipple	H_3
	Height M	Width W	Length L	B	C	S	H	L_1	t	T	T_1	K	N	f_0	E	e_0	D_0		
SNR 25C SNR 25LC	31	72	82.8 102	59	45	M8	6.8	62.4 81.6	16	14.8	12	25.5	7	6	12	4	3.9	B-M6F	5.5
SNR 30C SNR 30LC	38	90	98 120.5	72	52	M10	8.5	72.1 94.6	18	16.8	14	31	7	7	12	6.5	3.9	B-M6F	7
SNR 35C SNR 35LC	44	100	109.5 135	82	62	M10	8.5	79 104.5	20	18.8	16	35	8	8	12	6	5.2	B-M6F	9
SNR 45C SNR 45LC	52	120	138.2 171	100	80	M12	10.5	105 137.8	22	20.5	20	40.4	10	8	16	8.5	5.2	B-PT1/8	11.6
SNR 55C SNR 55LC	63	140	163.3 200.5	116	95	M14	12.5	123.6 160.8	24	22.5	22	49	11	10	16	10	5.2	B-PT1/8	14
SNR 65C SNR 65LC	75	170	186 246	142	110	M16	14.5	143.6 203.6	28	26	25	60	16	15	16	8.7	8.2	B-PT1/8	15
SNR 85LC	90	215	302.8	185	140	M20	17.6	251	34	32	28	73	20	20	16	10	8.2	B-PT1/8	17

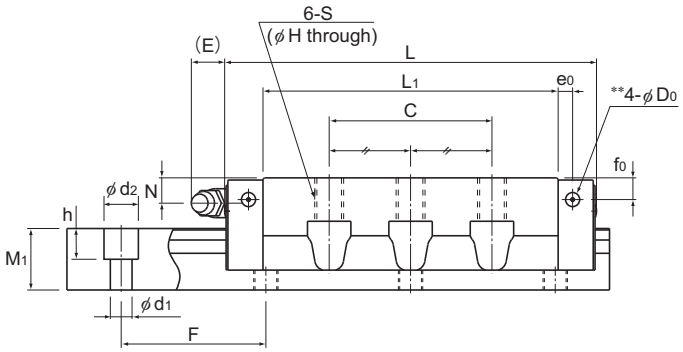
Model number coding

SNR45 LC 2 QZ KKHH C0 +1200L P Z T -II

- SNR45: Model number
- LC: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- KKHH: 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)
  - Normal grade (No Symbol)/High accuracy grade (H)
  - Precision grade (P)/Super precision grade (SP)
  - Ultra precision grade (UP)
- Z: With plate cover or steel tape (*4)
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane (*5)

(*1) See contamination protection accessory on A1-538 (*2) See A1-72. (*3) See A1-79.
(*4) Specify the plate cover or the steel tape. (*5) 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.



Model SNR-LC

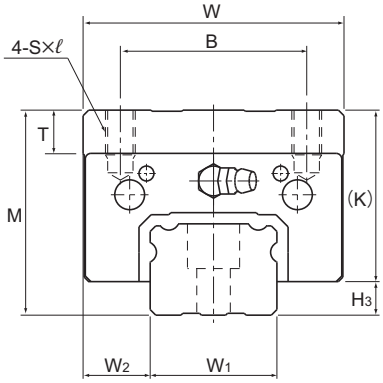
Unit: mm

	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
	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
	25	23.5	17	40	6×9.5×8.5	2500	48 57	79 101	0.682 1.14	3.62 5.55	0.427 0.708	2.25 3.4	0.868 1.1	0.6 0.8	3.1
	28	31	21	80	7×11×9	3000	68 81	106 138	1.04 1.81	5.7 8.89	0.653 1.12	3.56 5.47	1.3 1.69	1 1.3	4.4
	34	33	24.5	80	9×14×12	3000	90 108	144 188	1.61 2.68	8.64 13.6	1.01 1.67	5.39 8.49	2.13 2.79	1.5 2	6.2
	45	37.5	29	105	14×20×17	3090	132 161	216 288	3.29 5.4	16 26.2	2.03 3.35	9.86 16.2	4.21 5.64	2.3 3.4	9.8
	53	43.5	36.5	120	16×23×20	3060	177 214	292 383	4.99 8.41	25.7 40.9	3.11 5.22	16 25.3	6.69 8.78	3.6 5.5	14.5
	63	53.5	43	150	18×26×22	3000	260 340	409 572	8.05 15.9	41.2 74.5	5.03 9.84	25.6 45.7	11 15.4	7.4 10.5	20.5
	85	65	48	180	24×35×28	3000	550	887	30.3	142	18.7	87.6	31.9	20.0	29.5

Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product. THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.
The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See A**1-164**.)
Static permissible moment*: 1 block: static permissible moment value with 1 LM block
Double blocks: static permissible moment value with 2 blocks closely contacting with each other

Options⇒A1-501

Models SNR-RH (Build to Order) and SNR-LRH (Build to Order)



Model No.	Outer dimensions			LM block dimensions													H3
	Height M	Width W	Length L	B	C	S×ℓ	L1	T	K	N	f0	E	e0	D0	Grease nipple		
SNR 35RH SNR 35LRH	55	70	109.5 135	50	50 72	M8×12	79 104.5	11.7	46	19	19	12	6	5.2	B-M6F		9
SNR 45RH SNR 45LRH	70	86	138.2 171	60	60 80	M10×17	105 137.8	14.7	58.4	28	26	16	8.5	5.2	B-PT1/8		11.6
SNR 55RH SNR 55LRH	80	100	163.3 200.5	75	75 95	M12×18	123.6 160.8	17.7	66	28	27	16	10	5.2	B-PT1/8		14

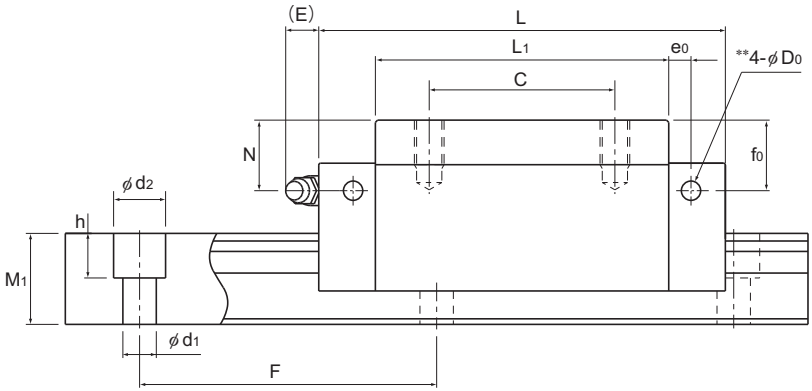
Model number coding

SNR35 RH 2 QZ KKHH C0 +920L H Z T -II

- SNR35: Model number
- RH: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- KKHH: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2)
  - Normal (No symbol)
  - Light preload (C1)
  - Medium preload (C0)
- +920L: LM rail length (in mm)
- H: Accuracy symbol (*3)
  - Normal grade (No Symbol)/High accuracy grade (H)
  - Precision grade (P)/Super precision grade (SP)
  - Ultra precision grade (UP)
- Z: With plate cover or steel tape (*4)
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane (*5)

(*1) See contamination protection accessory on A1-538 (*2) See A1-72. (*3) See A1-79.
(*4) Specify the plate cover or the steel tape. (*5) 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.



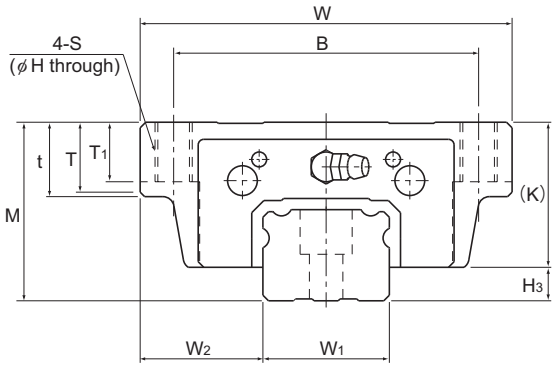
Unit: mm

	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
	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
	34	18	24.5	80	9×14×12	3000	90 108	144 188	1.61 2.68	8.64 13.6	1.01 1.67	5.39 8.49	2.13 2.79	1.5 2	6.2
	45	20.5	29	105	14×20×17	3090	132 161	216 288	3.29 5.4	16 26.2	2.03 3.35	9.86 16.2	4.21 5.64	3.2 4.1	9.8
	53	23.5	36.5	120	16×23×20	3060	177 214	292 383	4.99 8.41	25.7 40.9	3.11 5.22	16 25.3	6.69 8.78	4.7 6.2	14.5

Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product. THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.
The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See A**1-164**.)
Static permissible moment*: 1 block: static permissible moment value with 1 LM block
Double blocks: static permissible moment value with 2 blocks closely contacting with each other

Options⇒A1-501

Models SNR-CH (Build to Order) and SNR-LCH (Build to Order)



Model No.	Outer dimensions			LM block dimensions																H_3
	Height M	Width W	Length L	B	C	S	H	L_1	t	T	T_1	K	N	f_0	E	e_0	D_0	Grease nipple		
SNR 35CH SNR 35LCH	48	100	109.5 135	82	62	M10	8.5	79 104.5	20	18.8	16	39	12	12	12	6	5.2	B-M6F		9
SNR 45CH SNR 45LCH	60	120	138.2 171	100	80	M12	10.5	105 137.8	22	20.5	20	48.4	18	16	16	8.5	5.2	B-PT1/8		11.6
SNR 55CH SNR 55LCH	70	140	163.3 200.5	116	95	M14	12.5	123.6 160.8	24	22.5	22	56	18	17	16	10	5.2	B-PT1/8		14

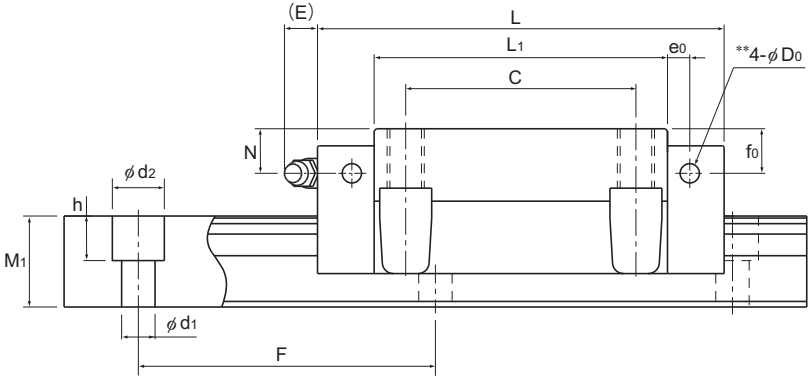
Model number coding

SNR45 LCH 2 QZ KK C0 +1000L P Z T -II

- SNR45: Model number
- LCH: Type of LM block
- 2: No. of LM blocks used on the same rail
- QZ: With QZ Lubricator
- KK: Contamination protection accessory symbol (*1)
- C0: Radial clearance symbol (*2)
  Normal (No symbol)
  Light preload (C1)
  Medium preload (C0)
- +1000L: LM rail length (in mm)
- P: Accuracy symbol (*3)
  Normal grade (No Symbol)/High accuracy grade (H)
  Precision grade (P)/Super precision grade (SP)
  Ultra precision grade (UP)
- Z: With plate cover or steel tape (*4)
- T: Symbol for LM rail jointed use
- -II: Symbol for No. of rails used on the same plane (*5)

(*1) See contamination protection accessory on A1-538 (*2) See A1-72. (*3) See A1-79.
(*4) Specify the plate cover or the steel tape. (*5) 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.



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
	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
	34	33	24.5	80	9×14×12	3000	90 108	144 188	1.61 2.68	8.64 13.6	1.01 1.67	5.39 8.49	2.13 2.79	1.7 2.2	6.2
	45	37.5	29	105	14×20×17	3090	132 161	216 288	3.29 5.4	16 26.2	2.03 3.35	9.86 16.2	4.21 5.64	3 4.2	9.8
	53	43.5	36.5	120	16×23×20	3060	177 214	292 383	4.99 8.41	25.7 40.9	3.11 5.22	16 25.3	6.69 8.78	4.4 6.5	14.5

Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product. THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.
The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See A**1-164**.)
Static permissible moment*: 1 block: static permissible moment value with 1 LM block
Double blocks: static permissible moment value with 2 blocks closely contacting with each other

Options⇒A1-501