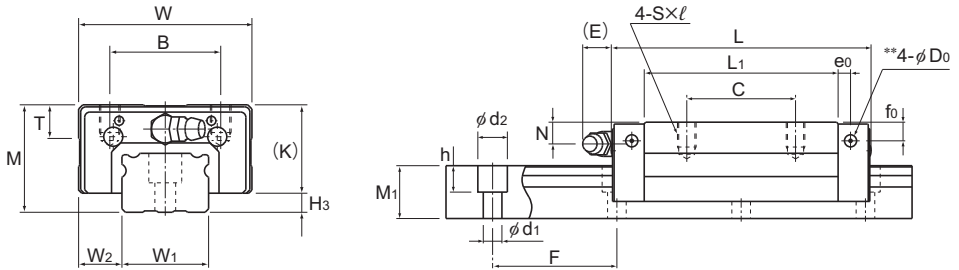


Models SNR-R and SNR-LR



Model SNR-R

Model No.	Outer dimensions			LM block dimensions													Grease nipple	H ₃
	Height	Width	Length	B	C	S × ℓ	L ₁	T	K	N	f ₀	E	e ₀	D ₀				
	M	W	L															
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		

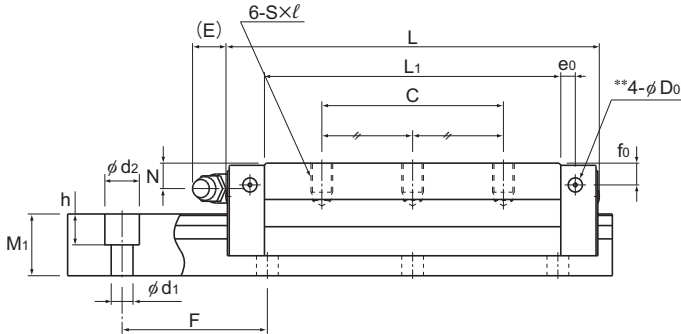
Model number coding

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

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

(*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.



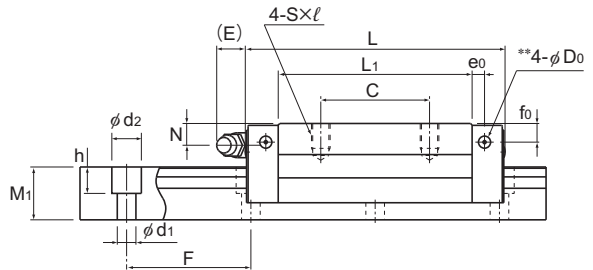
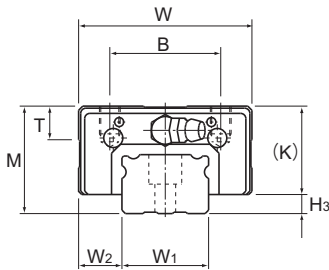
Model SNR-LR

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN-m*					Mass	
Width W ₁ 0 -0.05	W ₂	Height M ₁	Pitch F	Length* d ₁ × d ₂ × h Max	C	C ₀	M _A		M _B		M _C	LM block kg	LM rail kg/m	
							1 block	Double blocks	1 block	Double blocks	1 block			
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

Models SNS-R and SNS-LR



Model SNS-R

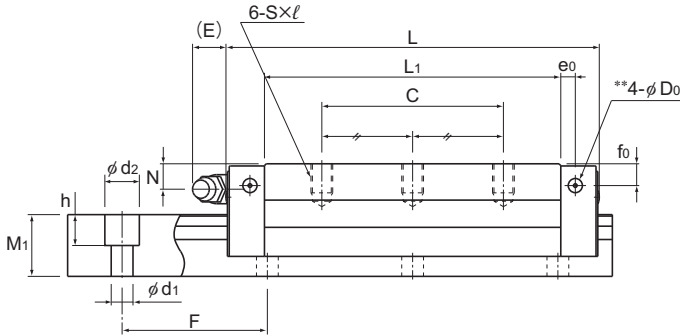
Model No.	Outer dimensions			LM block dimensions													H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	f ₀	E	e ₀	D ₀	Grease nipple		
	M	W	L														
SNS 25R SNS 25LR	31	50	82.8 102	32	35 50	M6×8	62.4 81.6	9.7	25.5	7	6	12	4	3.9	B-M6F	5.5	
SNS 30R SNS 30LR	38	60	98 120.5	40	40 60	M8×10	72.1 94.6	9.7	31	7	7	12	6.5	3.9	B-M6F	7	
SNS 35R SNS 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	
SNS 45R SNS 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	
SNS 55R SNS 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	
SNS 65R SNS 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	
SNS 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

SNS45	LR	2	QZ	KKHH	C0	+1200L	P	Z	T	-II
Model number	Type of LM block	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol (*1)	Radial clearance symbol (*2) Normal (No symbol) Light preload (C1) Medium preload (C0)	LM rail length (in mm)	Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)	Symbol for LM rail jointed use	With plate cover or steel tape (*4)	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 SNS-LR

Unit: mm

Width W_1 0 -0.05	LM rail dimensions					Basic load rating		Static permissible moment kN-m*					Mass	
	W_2	Height M_1	Pitch F	Length* $d_1 \times d_2 \times h$ Max	C kN	C_0 kN	M_A		M_B		M_C	LM block kg	LM rail kg/m	
							1 block	Double blocks	1 block	Double blocks	1 block			
25	12.5	17	40	6×9.5×8.5	2500	37 44	61 78	0.544 0.915	2.88 4.41	0.504 0.847	2.67 4.09	0.648 0.826	0.4 0.6	3.1
28	16	21	80	7×11×9	3000	52 62	81 106	0.821 1.43	4.5 7.04	0.761 1.33	4.17 6.53	0.962 1.25	0.7 0.9	4.4
34	18	24.5	80	9×14×12	3000	69 83	110 144	1.27 2.11	6.81 10.7	1.17 1.96	6.32 10	1.56 2.05	1 1.4	6.2
45	20.5	29	105	14×20×17	3090	101 123	167 222	2.63 4.29	12.7 20.8	2.43 3.97	11.8 19.3	3.15 4.21	1.9 2.4	9.8
53	23.5	36.5	120	16×23×20	3060	136 164	225 295	3.96 6.66	20.4 32.4	3.67 6.17	19 30	4.97 6.52	3.1 4	14.5
63	31.5	43	150	18×26×22	3000	199 261	315 441	6.4 12.7	32.7 59.1	5.93 11.7	30.3 54.8	8.24 11.5	5.6 8	20.5
85	35.5	48	180	24×35×28	3000	422	679	23.9	112	22.1	104	23.7	14.8	29.5

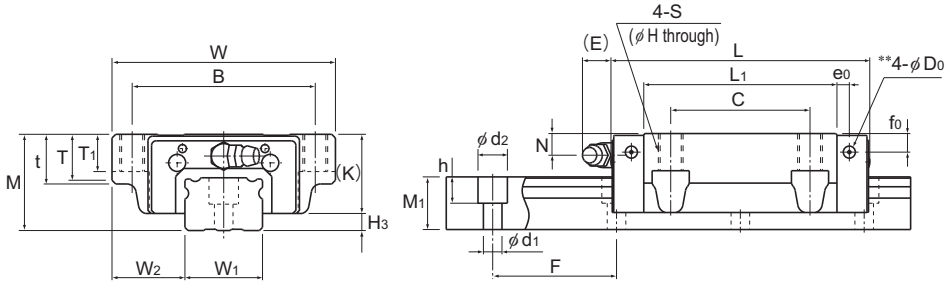
Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product. THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.

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

Models SNR-C and SNR-LC



Model SNR-C

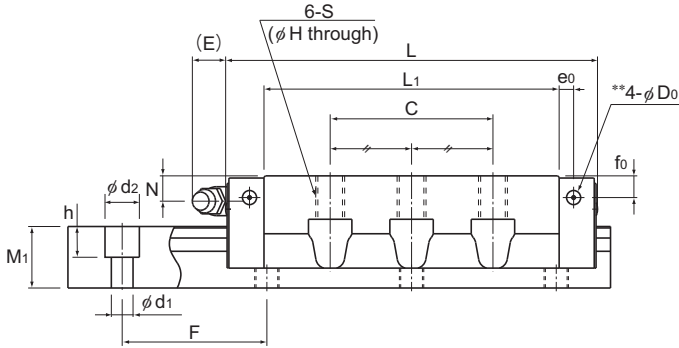
Model No.	Outer dimensions			LM block dimensions																H ₃
	Height	Width	Length	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀	Grease nipple		
	M	W	L																	
SNR 25C SNR 25LC	31	72	82.8 102	59	45	M8	6.8	62.4 81.6	16	14.8	12	25.5	7	6	12	4	3.9	B-M6F	5.5	
SNR 30C SNR 30LC	38	90	98 120.5	72	52	M10	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
Model number	Type of LM block	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol (*1)	Radial clearance symbol (*2) Normal (No symbol) Light preload (C1) Medium preload (C0)	LM rail length (in mm)	Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)	With plate cover or steel tape (*4)	Symbol for LM rail jointed use	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 W ₁ 0 -0.05	W ₂	Height M ₁	Pitch F	Length* d ₁ × d ₂ × h Max	C	C ₀	M _A		M _B		M _C	LM block kg	LM rail kg/m	
							1 block	Double blocks	1 block	Double blocks	1 block			
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

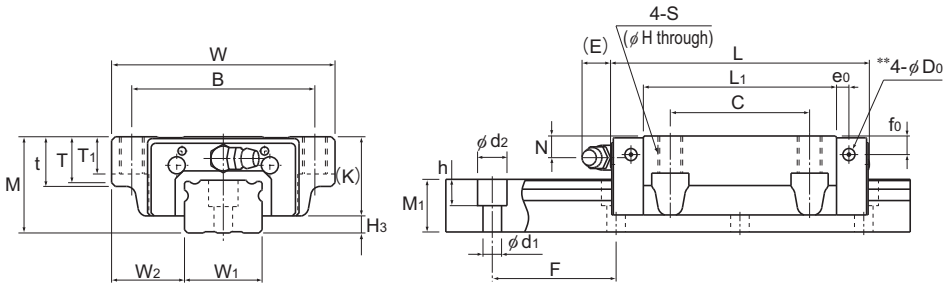
Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product. THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.

The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **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

Models SNS-C and SNS-LC



Model SNS-C

Model No.	Outer dimensions			LM block dimensions																H ₃
	Height	Width	Length	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀	Grease nipple		
	M	W	L																	
SNS 25C SNS 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	
SNS 30C SNS 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	
SNS 35C SNS 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	
SNS 45C SNS 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	
SNS 55C SNS 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	
SNS 65C SNS 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	
SNS 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

SNS45 LC 2 QZ KKHH C0 +1200L P Z T - II

Model number

Type of LM block

No. of LM blocks used on the same rail

With QZ Lubricator

Contamination protection accessory symbol (*1)

Radial clearance symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

LM rail length (in mm)

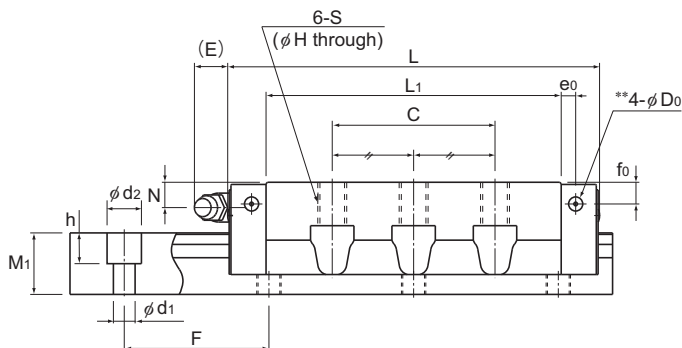
Accuracy symbol (*3)
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

Symbol for LM rail jointed use
With plate cover or steel tape (*4)

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.



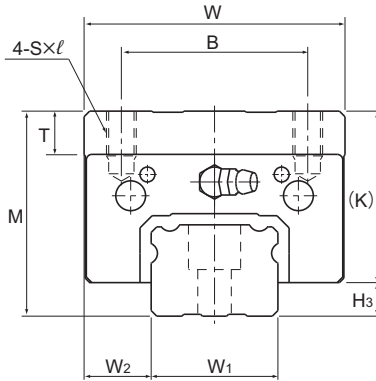
Model SNS-LC

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN-m*					Mass	
Width W ₁ 0 -0.05	W ₂	Height M ₁	Pitch F	Length* d ₁ × d ₂ × h Max	C kN	C ₀ kN	M _A		M _B		M _C	LM block kg	LM rail kg/m	
							1 block	Double blocks	1 block	Double blocks	1 block			
25	23.5	17	40	6 × 9.5 × 8.5	2500	37 44	61 78	0.544 0.915	2.88 4.41	0.504 0.847	2.67 4.09	0.648 0.826	0.6 0.8	3.1
28	31	21	80	7 × 11 × 9	3000	52 62	81 106	0.821 1.43	4.5 7.04	0.761 1.33	4.17 6.53	0.962 1.25	1 1.3	4.4
34	33	24.5	80	9 × 14 × 12	3000	69 83	110 144	1.27 2.11	6.81 10.7	1.17 1.96	6.32 10	1.56 2.05	1.5 2	6.2
45	37.5	29	105	14 × 20 × 17	3090	101 123	167 222	2.63 4.29	12.7 20.8	2.43 3.97	11.8 19.3	3.15 4.21	2.3 3.4	9.8
53	43.5	36.5	120	16 × 23 × 20	3060	136 164	225 295	3.96 6.66	20.4 32.4	3.67 6.17	19 30	4.97 6.52	3.6 5.5	14.5
63	53.5	43	150	18 × 26 × 22	3000	199 261	315 441	6.4 12.7	32.7 59.1	5.93 11.7	30.3 54.8	8.24 11.5	7.4 10.5	20.5
85	65	48	180	24 × 35 × 28	3000	422	679	23.9	112	22.1	104	23.7	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 **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

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



Model No.	Outer dimensions			LM block dimensions													H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	f ₀	E	e ₀	D ₀	Grease nipple		
	M	W	L														
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

Model number

Type of LM block

No. of LM blocks used on the same rail

With QZ Lubricator

Contamination protection accessory symbol (*1)

Radial clearance symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

LM rail length (in mm)

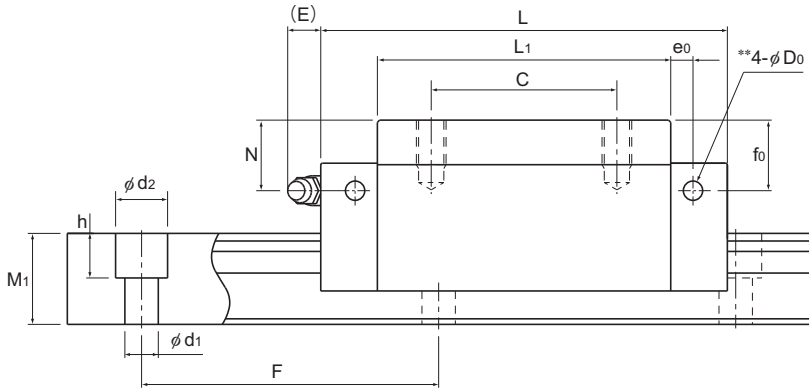
Accuracy symbol (*3)
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

Symbol for LM rail jointed use
With plate cover or steel tape (*4)

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.

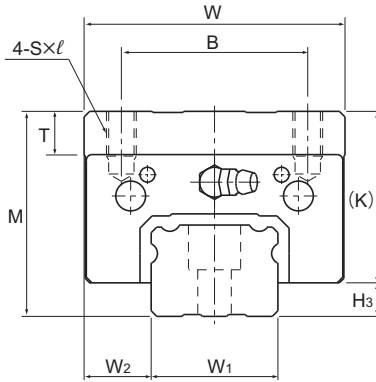


Unit: mm

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 × d ₂ × h Max	kN	kN	1 block		1 block		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 **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

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



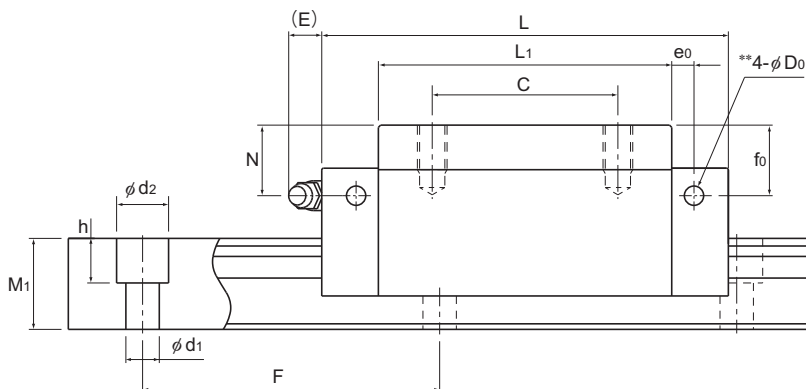
Model No.	Outer dimensions			LM block dimensions													Grease nipple	H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	f ₀	E	e ₀	D ₀				
	M	W	L															
SNS 35RH SNS 35LRH	55	70	109.5 135	50	50 72	M8×12	79 104.5	11.7	46	19	19	12	6	5.2	B-M6F	9		
SNS 45RH SNS 45LRH	70	86	138.2 171	60	60 80	M10×17	105 137.8	14.7	58.4	28	26	16	8.5	5.2	B-PT1/8	11.6		
SNS 55RH SNS 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

SNS35	RH	2	QZ	KKHH	C0	+920L	H	Z	T	-II
Model number	Type of LM block	No. of LM blocks used on the same rail	With QZ Lubricator	Contamination protection accessory symbol (*1)	Radial clearance symbol (*2) Normal (No symbol) Light preload (C1) Medium preload (C0)	LM rail length (in mm)	Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)/Super precision grade (SP) Ultra precision grade (UP)	Symbol for LM rail jointed use With plate cover or steel tape (*4)	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.

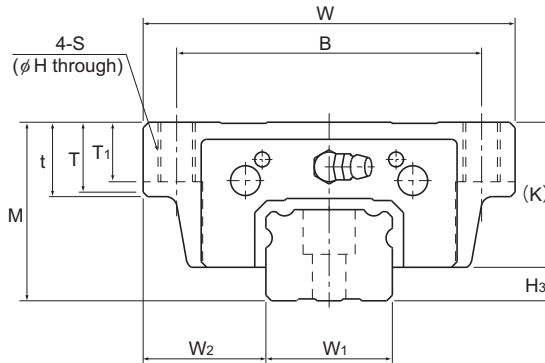


Unit: mm

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 × d ₂ × 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	69 83	110 144	1.27 2.11	6.81 10.7	1.17 1.96	6.32 10	1.56 2.05	1.5 2	6.2
45	20.5	29	105	14 × 20 × 17	3090	101 123	167 222	2.63 4.29	12.7 20.8	2.43 3.97	11.8 19.3	3.15 4.21	3.2 4.1	9.8
53	23.5	36.5	120	16 × 23 × 20	3060	136 164	225 295	3.96 6.66	20.4 32.4	3.67 6.17	19 30	4.97 6.52	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 **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

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



Model No.	Outer dimensions			LM block dimensions																H ₃
	Height	Width	Length	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀	Grease nipple		
	M	W	L	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀			
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

Model number

Type of LM block

With QZ Lubricator

Contamination protection accessory symbol (*1)

LM rail length (in mm)

Symbol for LM rail jointed use
With plate cover or steel tape (*4)

Symbol for No. of rails used on the same plane (*5)

No. of LM blocks used on the same rail

Radial clearance symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

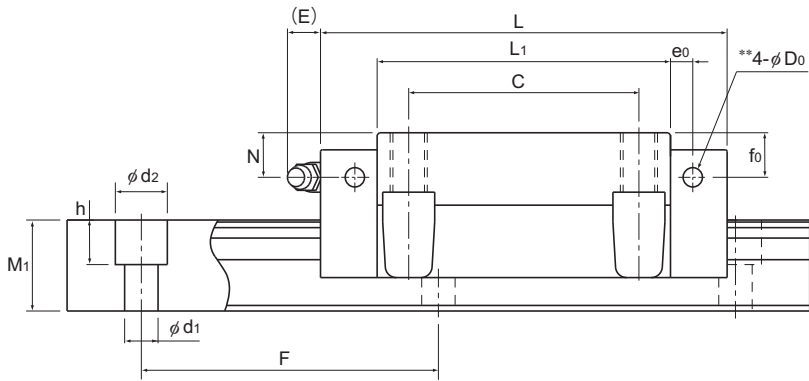
Accuracy symbol (*3)
Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

(*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	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

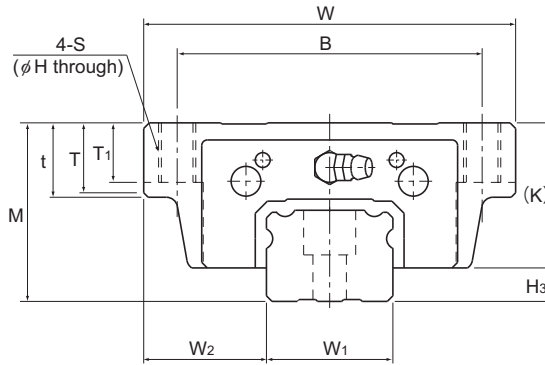
Note) Pilot holes for side nipples** are not drilled through in order to prevent foreign material from entering the product. THK will mount grease nipples per your request. Therefore, do not use the side nipple pilot holes** for purposes other than mounting a grease nipple.

The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **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

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



Model No.	Outer dimensions			LM block dimensions															Grease nipple	H ₃
	Height	Width	Length	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀			
	M	W	L	B	C	S	H	L ₁	t	T	T ₁	K	N	f ₀	E	e ₀	D ₀			
SNS 35CH SNS 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	
SNS 45CH SNS 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	
SNS 55CH SNS 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

SNS45 LCH 2 QZ KK C0 +1000L P Z T - II

Model number

Type of LM block

With QZ Lubricator

Contamination protection accessory symbol (*1)

LM rail length (in mm)

Symbol for LM rail jointed use

Symbol for No. of rails used on the same plane (*5)

No. of LM blocks used on the same rail

Radial clearance symbol (*2)
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

Accuracy symbol (*3)

Normal grade (No Symbol)/High accuracy grade (H)
Precision grade (P)/Super precision grade (SP)
Ultra precision grade (UP)

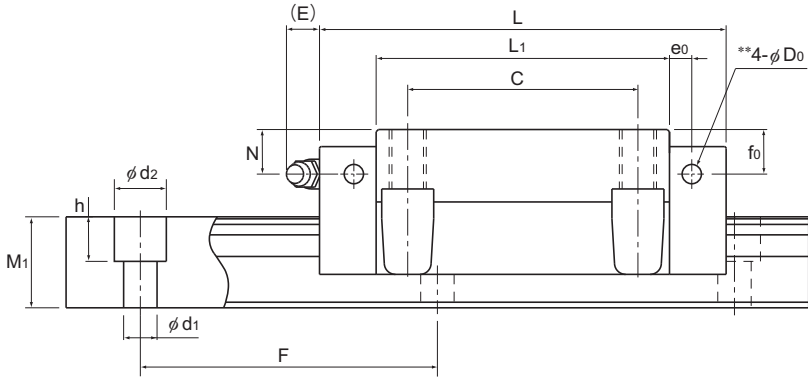
With plate cover or steel tape (*4)

(*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 × d ₂ × 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	69 83	110 144	1.27 2.11	6.81 10.7	1.17 1.96	6.32 10	1.56 2.05	1.7 2.2	6.2
45	37.5	29	105	14 × 20 × 17	3090	101 123	167 222	2.63 4.29	12.7 20.8	2.43 3.97	11.8 19.3	3.15 4.21	3 4.2	9.8
53	43.5	36.5	120	16 × 23 × 20	3060	136 164	225 295	3.96 6.66	20.4 32.4	3.67 6.17	19 30	4.97 6.52	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 **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