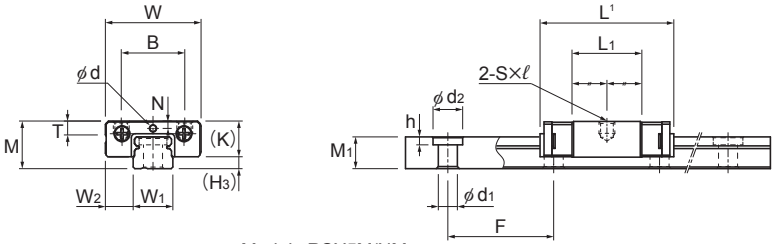
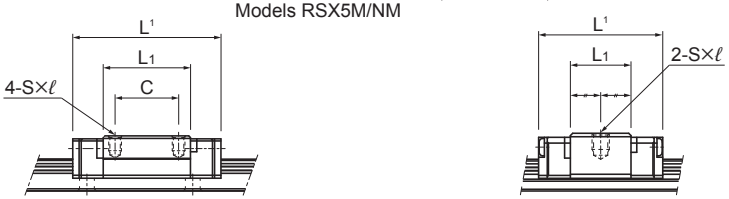
Models RSX-SM, RSX-M, and RSX-NM



Models RSX5M/NM



Models RSX7 to 12M/NM

Models RSX7 to 12SM

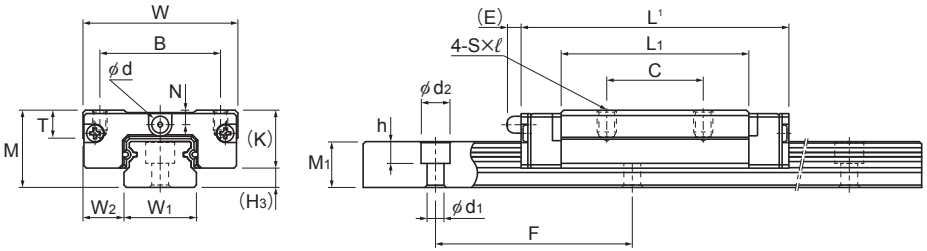
Model No.	Outer dimensions			LM block dimensions										H_3
	Height M	Width W	Length[1] L	B	C	S×ℓ	L_1	T	K	N	E	Lubrication hole d	Grease nipple	
RSX 5M	6	12	16.9	8	—	M2×1.5	8.8	—	4.5	0.93	—	0.8	—	1.5
RSX 5NM	6	12	20.1	8	—	M2×1.5	12	—	4.5	0.93	—	0.8	—	1.5
RSX 7SM	8	17	19	12	—	M2×2.6	9	—	6.5	1.7	—	1.2	—	1.5
RSX 7M	8	17	23.4	12	8	M2×2.6	13.4	—	6.5	1.7	—	1.2	—	1.5
RSX 7NM	8	17	31	12	13	M2×2.6	21	—	6.5	1.7	—	1.2	—	1.5
RSX 9SM	10	20	21.5	15	—	M3×2.8	10.5	—	7.8	2.4	—	1.6	—	2.2
RSX 9M	10	20	30.8	15	10	M3×2.8	19.8	—	7.8	2.4	—	1.6	—	2.2
RSX 9NM	10	20	40.8	15	16	M3×2.8	29.8	—	7.8	2.4	—	1.6	—	2.2
RSX 12SM	13	27	25.6	20	—	M3×3.5	11.2	5.3	10	3	—	2	—	3
RSX 12M	13	27	35	20	15	M3×3.5	20.6	5.3	10	3	—	2	—	3
RSX 12NM	13	27	47.7	20	20	M3×3.5	33.3	5.3	10	3	—	2	—	3
RSX 15SM	16	32	31.9	25	—	M3×4	14.7	5.8	12	3	4	—	PB107	4
RSX 15M	16	32	42.9	25	20	M3×4	25.7	5.8	12	3	4	—	PB107	4
RSX 15NM	16	32	60.7	25	25	M3×4	43.5	5.8	12	3	4	—	PB107	4

Model number coding

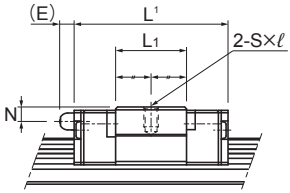
2 RSX12M UU C1 +220L P M -II

- 2: No. of LM blocks used on the same rail
- RSX12M: Model number
- UU: Contamination protection accessory symbol
- C1: Radial clearance symbol — Normal (No symbol), Light preload (C1)
- +220L: LM rail length (in mm)
- P: Accuracy symbol — Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P)
- M: Stainless steel LM rail
- -II: Symbol for No. of rails used on the same plane

Notes: 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).
No symbol for single LM block. See **A1-547** for contamination protection accessories. See **A1-73** for radial clearance symbol. See **A1-85** for accuracy symbol. See **A1-13** for symbol for number of rails used on the same plane.



Models RSX15M/NM



Model RSX15SM

Unit: mm

LM rail dimensions						Basic load rating[3]		Static permissible moment N·m [4]					Mass	
Width		Height	Pitch		Length[2]	C	C_0	M_A		M_B		M_C	LM block	LM rail
W_1 $^{0}_{-0.02}$	W_2	M_1	F	$d_1 \times d_2 \times h$	Max	kN	kN	1 block	2 blocks	1 block	2 blocks	1 block	kg	kg/m
5	3.5	4	15	2.4×3.5×1	220	0.37	0.53	0.789	5.79	0.923	6.79	1.38	0.002	0.136
5	3.5	4	15	2.4×3.5×1	220	0.45	0.7	1.34	8.78	1.56	10.3	1.82	0.003	0.136
7	5	4.7	15	2.4×4.2×2.3	480	0.95	1.16	1.96	14.7	2.25	16.9	4.49	0.005	0.227
7	5	4.7	15	2.4×4.2×2.3	480	1.16	1.54	3.27	23.1	3.77	26.7	5.96	0.008	0.227
7	5	4.7	15	2.4×4.2×2.3	480	1.63	2.51	8.08	48.4	9.32	56	9.71	0.012	0.227
9	5.5	5.5	20	3.5×6×3.3	1240	1.37	1.53	2.85	22.6	3.27	26	7.04	0.008	0.32
9	5.5	5.5	20	3.5×6×3.3	1240	2.22	3.06	9.87	57.9	11.4	66.9	14.1	0.018	0.32
9	5.5	5.5	20	3.5×6×3.3	1240	2.94	4.59	21.1	111	24.4	128	21.1	0.024	0.32
12	7.5	7.5	25	3.5×6×4.5	2000	2.07	2.1	4.17	38.1	4.17	38.1	13.8	0.015	0.65
12	7.5	7.5	25	3.5×6×4.5	2000	3.36	4.21	14.2	92.5	14.2	92.5	27.6	0.037	0.65
12	7.5	7.5	25	3.5×6×4.5	2000	4.72	6.83	34.8	195	34.8	195	44.7	0.047	0.65
15	8.5	9.5	40	3.5×6×4.5	2000	4.01	4.24	12.6	92.6	12.6	92.6	30.1	0.03	0.96
15	8.5	9.5	40	3.5×6×4.5	2000	5.59	6.78	29	186	29	186	48.1	0.069	0.96
15	8.5	9.5	40	3.5×6×4.5	2000	8.27	11.8	82.1	432	82.1	432	84.3	0.089	0.96

[1] Length L is for when the contamination protection accessory symbol is UU.
[2] The maximum length indicates the standard maximum length of an LM rail. (See **A1-268**.)
[3] The basic load rating is for a load in the radial direction.
Use **A1-61** on Table 7 to calculate the load rating for loads in the reverse-radial direction or lateral direction.
[4] Static permissible moment 1 block: the static permissible moment with one LM block
2 blocks: the static permissible moment with two LM blocks in close contact with each other

Notes: Since stainless steel is used in the LM block, LM rail, and balls, these models are highly resistant to corrosion and environment.
Using a lubrication hole other than for greasing may cause damage.
To secure the LM rail of Model RSX5, use M2 cross-recessed head screws for precision equipment (No. 0 pan head screw, class 1).

Options⇒A1-507