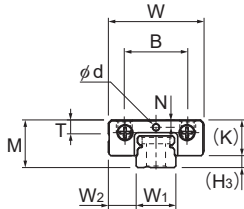
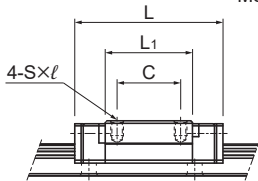
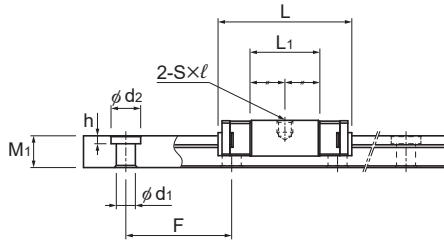


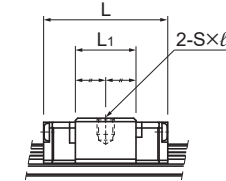
Models RSX-SM, RSX-M, and RSX-NM



Models RSX5M/NM



Models RSX7 to 12M/NM



Models RSX7 to 12SM

Model No.	Outer dimensions			LM block dimensions											H ₃
	Height	Width	Length										Lubrication hole	Grease nipple	
	M	W	L	B	C	S×ℓ	L ₁	T	K	N	E	d			
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

Note) 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 for anything other than greasing may cause damage.

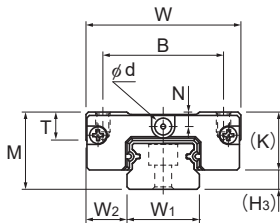
Model number coding

2 RSX12M UU C1 +220L P M -II

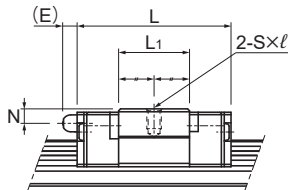
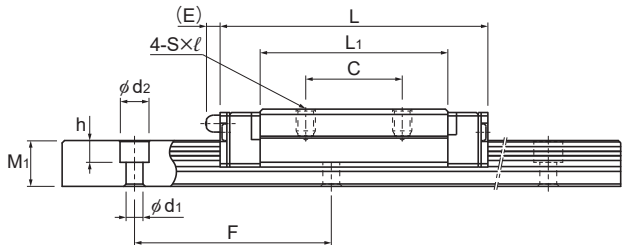
No. of LM blocks used on the same rail	Model number	Contamination protection accessory symbol	LM rail length (in mm)	Stainless steel LM rail	Symbol for No. of rails used on the same plane
Radial clearance symbol Normal (No symbol) Light preload (C1)	Accuracy symbol Normal grade (No Symbol)/High accuracy grade (H)/Precision grade (P)				

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.)

No symbol for single LM block. See **A1-545** 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		Static permissible moment N·m*					Mass	
Width		Height	Pitch		Length*	C	C ₀						LM block	LM rail
W ₁ 0 -0.02	W ₂	M ₁	F	d ₁ × d ₂ × 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

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-262**.)

Static permissible moment* 1 block: The static permissible moment with one LM block

2 blocks: Static permissible moment when two LM blocks are in close contact with each other

Total block length L

: The total block length L shown in the table is the length with the dust-proof parts (code: UU). To secure the LM rail of Model RSX5, use M2 cross-recessed head screws for precision equipment (No. 0 pan head screw, class 1).

Note2) The basic load rating in the dimension table is for a load in the radial direction. Use Table 7 on **A1-61** to calculate the load rating for loads in the reverse-radial direction or lateral direction.