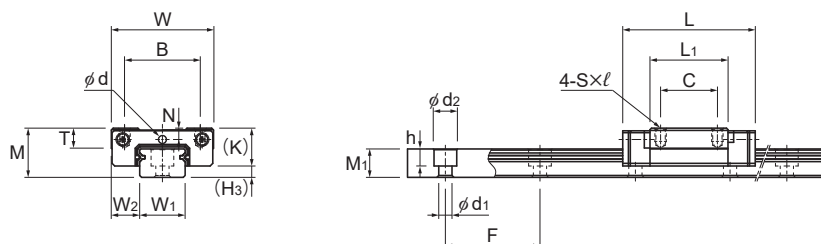


Models RSX-M1 and RSX-M1N



Models RSX9M1, RSX12M1

Model No.	Outer dimensions			LM block dimensions											H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	E	Lubrication hole	Grease nipple		
	M	W	L									d			
RSX 9M1 RSX 9M1N	10	20	30.8 40.8	15	10 16	M3×2.8	19.8 29.8	—	7.8	2.4	—	1.6	—	2.2	
RSX 12M1 RSX 12M1N	13	27	35 47.7	20	15 20	M3×3.5	20.6 33.3	5.3	10	3	—	2	—	3	
RSX 15M1 RSX 15M1N	16	32	42.9 60.7	25	20 25	M3×4	25.7 43.5	5.8	12	3	4	—	PB107	4	

Model number coding

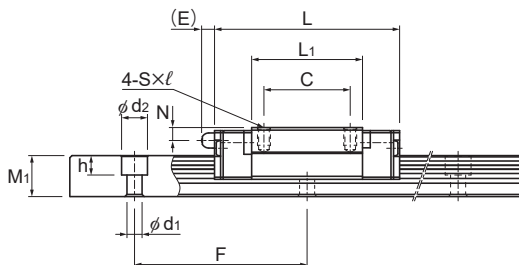
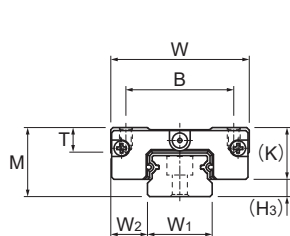
2 RSX15 M1 N UU C1 +230L P T -II

Model number	Type of LM block	Contamination protection accessory symbol (*2)	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 (*1)	Symbol for high temperature type LM Guide	Radial clearance symbol (*3) Normal (No symbol) Light preload (C1)		Accuracy symbol (*4) Normal grade (No symbol)/High accuracy grade (H) Precision grade (P)	

(*1) No symbol for 1 LM block. (*2) See contamination protection accessories on **A1-543**.

(*3) See **A1-73**. (*4) See **A1-85**. (*5) See **A1-13**.

Note) This model number indicates that a single-rail unit constitutes one set (i.e., the required number of sets when 2 rails are used in parallel is 2 at a minimum).



Model RSX15M1

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
$W_1 \begin{smallmatrix} 0 \\ -0.02 \end{smallmatrix}$	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
9	5.5	5.5	20	3.5×6×3.3	1240	2.22 2.94	3.06 4.59	9.87 21.1	57.9 111	11.4 24.4	66.9 128	14.1 21.1		0.018 0.024	0.32
12	7.5	7.5	25	3.5×6×4.5	2000	3.36 4.72	4.21 6.83	14.2 34.8	92.5 195	14.2 34.8	92.5 195	27.6 44.7		0.037 0.047	0.65
15	8.5	9.5	40	3.5×6×4.5	2000	5.59 8.27	6.78 11.8	29 82.1	186 432	29 82.1	186 432	48.1 84.3		0.069 0.089	0.96

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-384**.)

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).

Please be aware that balls will fall out if the LM block is removed from the LM rail.

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.