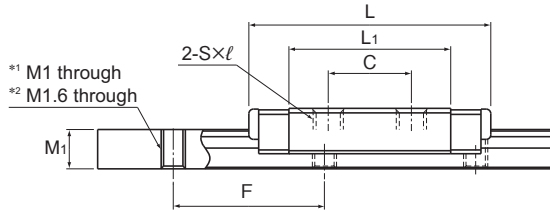
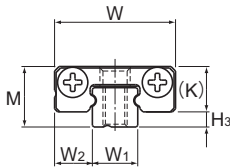
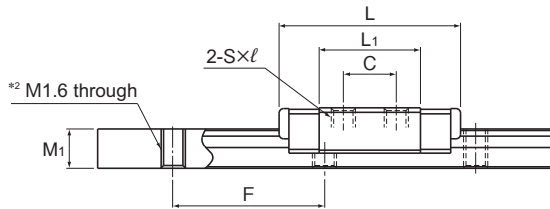
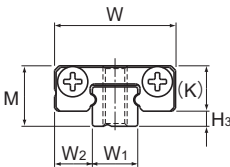


# Models RSR-M, RSR-N, RSR-WM, RSR-WN and RSR-WVM



Models RSR2N, RSR3N



Model RSR3M

Model No.	Outer dimensions			LM block dimensions										Grease nipple	H <sub>3</sub>
	Height	Width	Length	B	C	S × l	L <sub>1</sub>	T	K	N	E	d			
	M	W	L												
RSR 2N RSR 2WN	3.2 4	6 10	12.4 16.7	—	4 6.5	M1.4 × 1.1 M2 × 1.3	8.84 11.9	—	2.5 3	—	—	—	—	0.7 1	
RSR 3M RSR 3N	4	8	12 16	—	3.5 5.5	M1.6 × 1.3 M2 × 1.3	6.7 10.7	—	3	—	—	—	—	1	
RSR 3WM RSR 3WN	4.5	12	14.9 19.9	—	4.5 8	M2 × 1.7	8.5 13.3	—	3.5	0.8	—	0.8	—	1	
RSR 14WVM	15	50	50	35	18	M4 × 4.5	34.3	6	11.5	3	4	—	PB107	3.5	

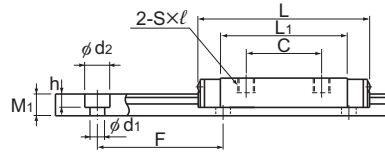
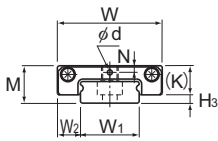
Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment. Models RSR2 and 3 do not have an oil hole. When lubricating them, apply a lubricant directly to the LM rail raceways. No contamination protection seal for RSR2N/2WN/3M/3N.

## Model number coding

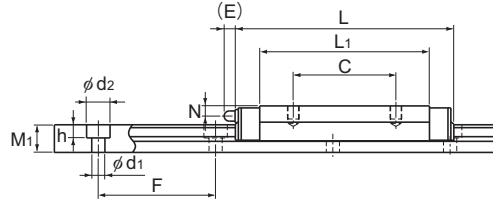
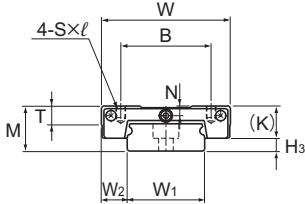
<b>2</b>	<b>RSR3</b>	<b>M</b>	<b>UU</b>	<b>C1</b>	<b>+80L</b>	<b>P</b>	<b>M</b>	<b>-II</b>
Model number	Contamination protection accessory symbol (*1)		LM rail length (in mm)	Stainless steel LM rail	Symbol for No. of rails used on the same plane (*4)			
No. of LM blocks used on the same rail	Radial clearance symbol (*2) Normal (No symbol) Light preload (C1)		Accuracy symbol (*3) Normal grade (No Symbol)/Precision grade (P)					

(\*1) See contamination protection accessory on **A1-494**. (\*2) See **A1-71**. (\*3) See **A1-82**. (\*4) 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.)



Models RSR2WN, RSR3WM/WN



Model RSR14WVM

Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment N-m*						Mass	
Width		Height		Pitch	Length*	C	C <sub>0</sub>	M <sub>A</sub>		M <sub>B</sub>		M <sub>C</sub>	LM block	LM rail	
W <sub>1</sub>	W <sub>2</sub>	M <sub>1</sub>	F	d <sub>1</sub> × d <sub>2</sub> × h				1 block	Double blocks	1 block	Double blocks	1 block			kg
2	0	2	2	8	1.8 × 2.8 × 0.75	200	0.214	0.384	0.564	2.994	0.564	2.994	0.442	0.0008	0.0029
4	-0.03	3	2.6	10		0.395	0.682	1.336	7.32	1.336	7.32	1.501	0.0020	0.0075	
3	0	2.5	2.6	10	— <sup>2</sup>	220	0.18	0.27	0.293	2.11	0.293	2.11	0.45	0.0011	0.055
	-0.02					0.3	0.44	0.726	4.33	0.726	4.33	0.73	0.0016		
6	0	3	2.6	15	2.4 × 4 × 1.5	480	0.25	0.47	0.668	4.44	0.668	4.44	1.48	0.002	0.12
	-0.02					0.39	0.75	1.57	9.06	1.57	90.6	2.36	0.003		
30	0	10	9	40	4.5 × 7.5 × 5.3	1800	6.01	9.08	43.2	233	38.2	208	110	0.096	2
	-0.05														

Note) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-254**.)

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

- Recommended tightening torque when mounting the LM rail/block

Table1 shows recommended bolt tightening torques when mounting the LM block and LM rail of models RSR2 and RSR3.

Table1 Recommended Tightening Torques of Mounting Bolts

Model No.	Model No. of screw	Recommended tightening torque (N-m)		Remarks
		Block	Rail	
RSR 2N	M1	0.09	0.03	Flathead machine screw designed for use with precision equipment
RSR 2WN	M1.6	0.28	0.138	
RSR 3M	M1.6	0.09	0.09	Austenite stainless steel hexagonal-socket-head type bolts
RSR 3N	M2	0.19	0.19	