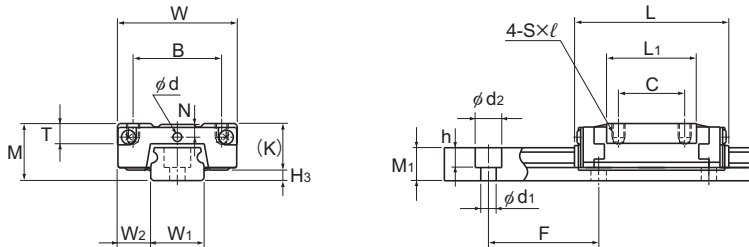


Model RSR-ZM



Models RSR7 to 12ZM

Model No.	Outer dimensions			LM block dimensions										H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	E	Greasing hole d	Grease nipple	
	M	W	L											
RSR 7ZM	8	17	23.4	12	8	M2×2.5	13.2	3.4	6.5	1.6	—	1.5	—	1.5
RSR 9ZM	10	20	30.8	15	10	M3×2.7	19.4	4.6	7.8	2.4	—	1.6	—	2.2
RSR 12ZM	13	27	35	20	15	M3×3.2	20.4	4.5	10.6	3.1	—	2	—	2.4
RSR 15ZM	16	32	43	25	20	M3×3.5	26.5	5.5	12.6	2.9	3.6	—	PB107	3.4

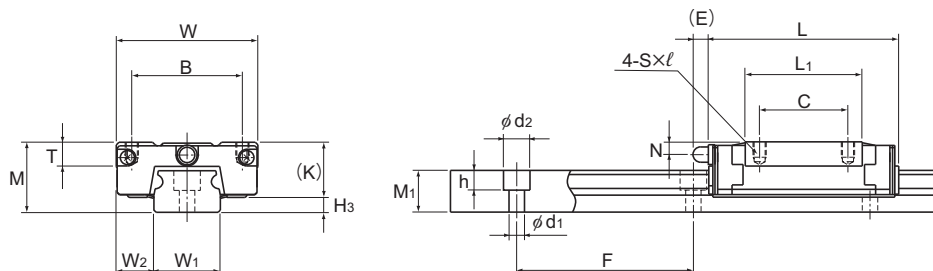
Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment.

Model number coding

2	RSR15Z	M	UU	C1	+230L	P	M	-II
No. of LM blocks used on the same rail	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)
			Radial clearance symbol (*2) Normal (No symbol) Light preload (C1)				Accuracy symbol (*3) Normal grade (No Symbol)/High accuracy grade (H) Precision grade (P)	

(*1) See contamination protection accessory on **A1-510**. (*2) See **A1-71**. (*3) See **A1-83**. (*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.)



Model RSR15ZM

Unit: mm

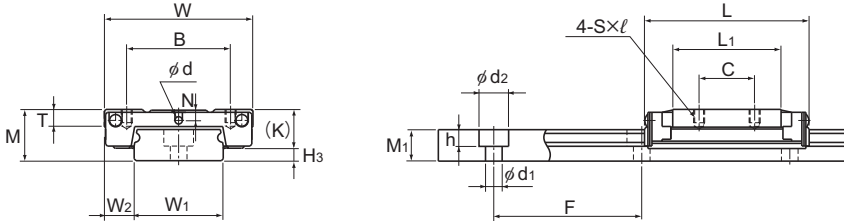
LM rail dimensions						Basic load rating		Static permissible moment N-m*					Mass	
Width W ₁	Height W ₂	Pitch M ₁	Pitch F	Length* d ₁ × d ₂ × h	Length* Max	C kN	C ₀ kN	M _A		M _B		M _C	LM block kg	LM rail kg/m
								1 block	Double blocks	1 block	Double blocks	1 block		
7 ⁰ _{-0.02}	5	4.7	15	2.4 × 4.2 × 2.3	480	0.88	1.37	2.93	20.7	2.93	20.7	5	0.008	0.23
9 ⁰ _{-0.02}	5.5	5.5	20	3.5 × 6 × 3.3	1240	1.47	2.25	7.34	43	7.34	43	10.4	0.014	0.32
12 ⁰ _{-0.025}	7.5	7.5	25	3.5 × 6 × 4.5	1430	2.65	4.02	11.4	74.9	10.1	67.7	19.2	0.028	0.58
15 ⁰ _{-0.025}	8.5	9.5	40	3.5 × 6 × 4.5	1600	4.41	6.57	23.7	149	21.1	135	38.8	0.05	0.925

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-274**.)

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

Model RSR-WZM



Models RSR7 to 12WZM

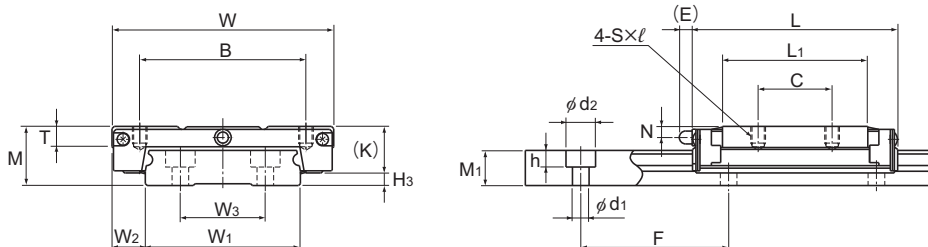
Model No.	Outer dimensions			LM block dimensions										H ₃
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	E	Greasing hole d	Grease nipple	
	M	W	L	B	C	S×ℓ	L ₁	T	K	N	E	d		H ₃
RSR 7WZM	9	25	31.5	19	10	M3×2.5	19.7	3.4	7	1.8	—	1.6	—	2
RSR 9WZM	12	30	39	21	12	M3×2.8	27	3.9	9.1	2.3	—	1.6	—	2.9
RSR 12WZM	14	40	44.5	28	15	M3×3.6	29.3	4.5	10.6	3	—	2	—	3.4
RSR 15WZM	16	60	55.5	45	20	M4×4.5	39.3	5.4	12.6	3	3.6	—	PB107	3.4

Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment.

Model number coding

2	RSR12WZ	M	SS	C1	+390L	H	M
No. of LM blocks used on the same rail	Model number	Contamination protection accessory symbol (*1)	LM rail length (in mm)	Radial clearance symbol (*2)	Stainless steel LM rail	Accuracy symbol (*3)	
		Normal (No symbol)		Normal (No symbol)		Normal grade (No Symbol)	
		Light preload (C1)		Light preload (C1)		High accuracy grade (H)	
						Precision grade (P)	

(*1) See contamination protection accessory on **A1-510**. (*2) See **A1-71**. (*3) See **A1-83**.



Model RSR15WZM

Unit: mm

	LM rail dimensions							Basic load rating		Static permissible moment N·m*					Mass	
	Width		Height	Pitch	Length*	C	C ₀	M _A		M _B		M _C	LM block	LM rail		
	W ₁	W ₂						1 block	Double blocks	1 block	Double blocks	1 block				
14	⁰ _{-0.05}	5.5	—	5.2	30	3.5×6×3.2	480	1.37	2.16	6.54	42.1	6.54	42.1	15.4	0.018	0.51
18	⁰ _{-0.05}	6	—	7.5	30	3.5×6×4.5	1430	2.45	3.92	16	92.9	16	92.9	36	0.03	1.08
24	⁰ _{-0.05}	8	—	8.5	40	4.5×8×4.5	1600	4.02	6.08	24.5	138	21.7	123	59.5	0.06	1.5
42	⁰ _{-0.05}	9	23	9.5	40	4.5×8×4.5	1800	6.66	9.8	50.3	278	44.4	248	168	0.135	3

Note) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-274**.)

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