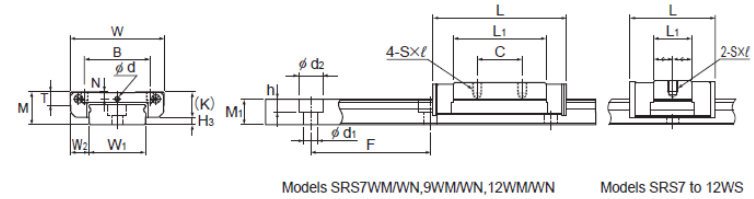
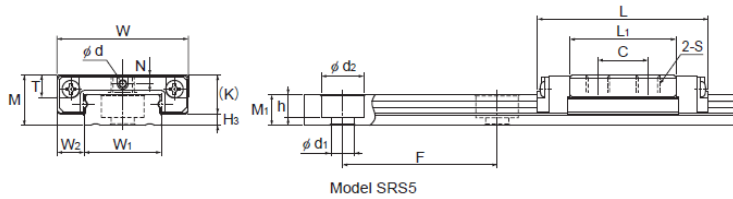




MINIATUROWE WÓZKI LINIOWE



Model SRS-WS, SRS-WM i SRS-WN



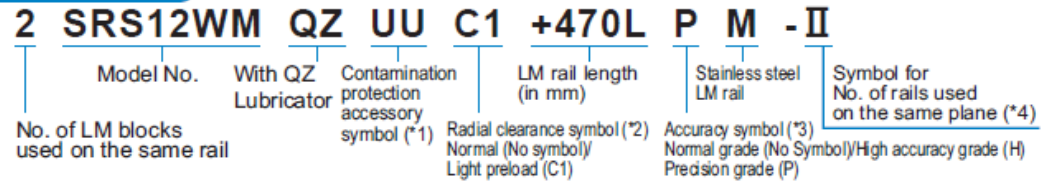
Unit: mm

Model No.	Outer dimensions			LM block dimensions								Greasing hole	LM rail dimensions						Basic load rating		Static permissible moment N-m*					Mass					
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	d		H _b	Width	W ₁	W ₂	W ₃	M ₁	Pitch	F	d ₁ ×d ₂ ×h	Length*	C	C ₀	M _k		M _b		M _c	LM block	LM rail
																									1 block	Double blocks	1 block	Double blocks	1 block		
SRS 5WM SRS 5WGM	6.5	17	22.1	—	6.5	M3 through	13.7	2.7	5	1.1	0.8	1.5	10 ⁰ _{-0.02}	3.5	—	4	20	3×5.5×3	220	0.584 0.498	0.703 0.82	1.57 1.79	9.59 11.1	1.83 2.15	11.24 13.3	3.58 4.18	0.005	0.27			
SRS 5WN SRS 5WGN	6.5	17	28.1	—	11	M3 through	19.7	2.7	5	1.1	0.8	1.5	10 ⁰ _{-0.02}	3.5	—	4	20	3×5.5×3	220	0.746 0.64	0.996 1.17	3.01 3.54	16.8 19.6	3.53 4.15	19.7 23	5.08 5.97	0.007	0.27			
SRS 7WS SRS 7WGS	9	25	22.5	19	—	M3×2.8	11.9	3.8	7.2	1.8	1.2	1.8	14 ⁰ _{-0.02}	5.5	—	5.2	30	3.5×6×3.2	480	1.38 1.06	1.35 1.35	2.89 2.58	19.6 20.0	3.32 2.96	22.7 23.1	9.95 9.95	0.011	0.56			
SRS 7WM SRS 7WGM	9	25	31	19	10	M3×2.8	20.4	3.8	7.2	1.8	1.2	1.8	14 ⁰ _{-0.02}	5.5	—	5.2	30	3.5×6×3.2	480	2.01 1.63	1.94 2.51	6.47 8.87	36.4 51.5	7.71 10.2	42.3 59.5	14.33 20.3	0.018	0.56			
SRS 7WN SRS 7WGN	9	25	40.9	19	17	M3×2.8	30.3	3.8	7.2	1.8	1.2	1.8	14 ⁰ _{-0.02}	5.5	—	5.2	30	3.5×6×3.2	480	2.56 2.12	3.28 3.66	15.0 16.6	78.9 87.7	17.4 19.2	91.2 101	24.2 27	0.026	0.56			
SRS 9WS SRS 9WGS	12	30	26.5	21	—	M3×2.8	14.5	4.9	9.1	2.3	1.6	2.9	18 ⁰ _{-0.02}	6	—	7.5	30	3.5×6×4.5	1430	2.03 1.73	1.84 2.14	4.49 5.15	32.1 36.9	5.15 5.92	38.9 42.6	17.4 20.2	0.018	1.01			
SRS 9WM SRS 9WGM	12	30	39	21	12	M3×2.8	27	4.9	9.1	2.3	1.6	2.9	18 ⁰ _{-0.02}	6	—	7.5	30	3.5×6×4.5	1430	3.29 2.67	3.34 3.35	14.0 13.9	78.6 69.7	16.2 16.6	91.0 96.7	31.5 31.7	0.031	1.01			
SRS 9WN SRS 9WGN	12	30	50.7	23	24	M3×2.8	38.7	4.9	9.1	2.3	1.6	2.9	18 ⁰ _{-0.02}	6	—	7.5	30	3.5×6×4.5	1430	4.20 3.48	4.37 5.81	25.1 33.2	130 172	29.1 40	151 208	41.3 54.9	0.049	1.01			
SRS 12WS SRS 12WGS	14	40	30.5	28	—	M3×3.5	16.9	5.7	11	3	2	3	24 ⁰ _{-0.02}	8	—	8.5	40	4.5×8×4.5	2000	3.58 3.05	3.15 3.68	9.77 11.1	63 72.6	9.77 11.1	63 72.6	39.5 46.2	0.034	1.52			
SRS 12WM SRS 12WGM	14	40	44.5	28	15	M3×3.5	30.9	5.7	11	3	2	3	24 ⁰ _{-0.02}	8	—	8.5	40	4.5×8×4.5	2000	5.48 4.46	5.3 5.32	26.4 25.7	143 146	26.4 25.7	143 146	66.5 66.8	0.055	1.52			
SRS 12WN SRS 12WGN	14	40	59.5	28	28	M3×3.5	45.9	5.7	11	3	2	3	24 ⁰ _{-0.02}	8	—	8.5	40	4.5×8×4.5	2000	7.13 5.93	7.07 9.46	49.2 64.7	249 332	49.2 64.7	249 332	88.7 119	0.091	1.52			

Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment. The SRS-G is equipped with uncaged, full-complement bearings. Using a greasing hole other than for greasing may cause damage.

Note) The maximum length under "Length * " indicates the standard maximum length of an LM rail. (See ■1-160.)
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
For the SRS5WM and SRS5WN, the balls will fall out of the block if it is removed from the rail.

Model number coding



(*1) See contamination protection accessory on **A1-494**. (*2) See **A1-70**. (*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.) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

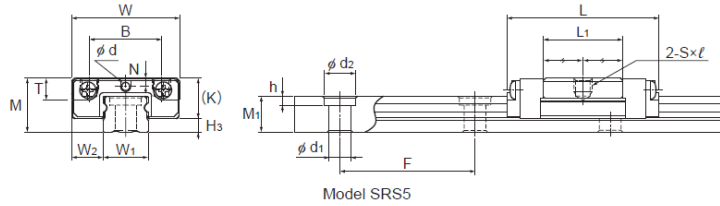
- Reference bolt tightening torque when mounting an LM block for model SRS 5 and 7W are shown in the table below.

Reference tightening torque

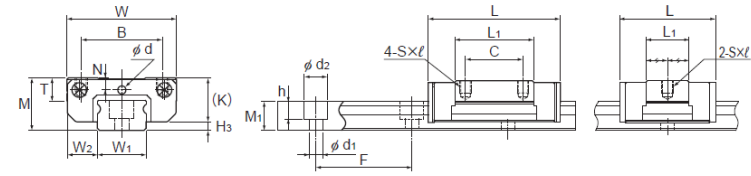
Model No.	Model No. of screw	Screw depth (mm)	Reference tightening torque(N-m)*
SRS 5W	M3	2.3	0.4
SRS 7W	M3	2.8	0.4

*Tightening above the tightening torque affects accuracy.
Be sure to tighten at or below the defined tightening torque.

■ **Model SRS-S, SRS-M i SRS-N**



Model SRS5



Models SRS7M/N, 9XM/XN, 12M/N

Models SRS7S, 9XS, 12S

Unit: mm

Model No.	Outer dimensions			LM block dimensions								H ₃	LM rail dimensions						Basic load rating		Static permissible moment N-m*					Mass	
	Height	Width	Length	B	C	S×ℓ	L ₁	T	K	N	d		Width	Height	Pitch	Length*	C	C ₀	M _A		M _B		M _C	LM block	LM rail		
																			1 block	Double blocks	1 block	Double blocks	1 block			kg	kg/m
SRS 5M SRS 5GM	6	12	16.9	8	—	M2×1.5	8.8	1.7	4.5	0.93	0.8	5 ⁰ _{-0.02}	3.5	4	15	2.4×3.5×1	220	0.439 0.366	0.468 0.527	0.74 0.79	5.11 5.76	0.86 0.94	5.99 6.91	1.21 1.37	0.002	0.13	
SRS 5N SRS 5GN	6	12	20.1	8	—	M2×1.5	12	1.7	4.5	0.93	0.8	5 ⁰ _{-0.02}	3.5	4	15	2.4×3.5×1	220	0.515 0.448	0.586 0.703	1.12 1.34	7.45 8.82	1.31 1.57	8.73 10.3	1.52 1.83	0.003	0.13	
SRS 7S SRS 7GS	8	17	19	12	—	M2×2.3	9	3.3	6.7	1.6	1.2	7 ⁰ _{-0.02}	5	4.7	15	2.4×4.2×2.3	480	1.09 0.946	0.964 1.16	1.60 1.96	12.6 14.7	1.83 2.25	14.5 16.9	3.73 4.49	0.005	0.25	
SRS 7M SRS 7GM	8	17	23.4	12	8	M2×2.3	13.4	3.3	6.7	1.6	1.2	7 ⁰ _{-0.02}	5	4.7	15	2.4×4.2×2.3	480	1.51 1.16	1.29 1.54	3.09 3.61	17.2 25.5	3.69 4.14	17.3 29.4	5.02 6.57	0.009	0.25	
SRS 7N SRS 7GN	8	17	31	12	13	M2×2.3	21	3.3	6.7	1.6	1.2	7 ⁰ _{-0.02}	5	4.7	15	2.4×4.2×2.3	480	2.01 1.63	2.31 2.51	7.77 8.08	43.2 46.9	8.96 9.32	50.0 54.2	8.96 9.72	0.012	0.25	
SRS 9XS SRS 9XGS	10	20	21.5	15	—	M3×2.8	10.5	4.5	8.5	2.4	1.6	9 ⁰ _{-0.02}	5.5	5.5	20	3.5×6×3.3	1240	1.78 1.37	1.53 1.53	3.15 2.85	22.2 22.6	3.61 3.27	25.6 26	7.04 7.04	0.009	0.36	
SRS 9XM SRS 9XGM	10	20	30.8	15	10	M3×2.8	19.8	4.5	8.5	2.4	1.6	9 ⁰ _{-0.02}	5.5	5.5	20	3.5×6×3.3	1240	2.69 2.22	2.75 3.06	9.31 9.87	52.2 57.9	10.7 11.4	60.3 66.9	12.7 14.1	0.016	0.36	
SRS 9XN SRS 9XGN	10	20	40.8	15	16	M3×2.8	29.8	4.5	8.5	2.4	1.6	9 ⁰ _{-0.02}	5.5	5.5	20	3.5×6×3.3	1240	3.48 2.94	3.98 4.59	18.7 21.1	96.5 111	21.6 24.4	112 128	18.3 21.1	0.024	0.36	
SRS 12S SRS 12GS	13	27	25	20	—	M3×3.2	11.2	5.7	11	3	2	12 ⁰ _{-0.02}	7.5	7.5	25	3.5×6×4.5	2000	2.70 2.07	2.10 2.10	4.62 4.17	37.5 38.1	4.62 4.17	37.5 38.1	13.8 13.8	0.017	0.65	
SRS 12M SRS 12GM	13	27	34.4	20	15	M3×3.2	20.6	5.7	11	3	2	12 ⁰ _{-0.02}	7.5	7.5	25	3.5×6×4.5	2000	4.00 3.36	3.53 3.55	12.0 12.1	78.5 79.0	12.0 12.1	78.5 79.0	23.1 23.2	0.027	0.65	
SRS 12N SRS 12GN	13	27	47.1	20	20	M3×3.2	33.3	5.7	11	3	2	12 ⁰ _{-0.02}	7.5	7.5	25	3.5×6×4.5	2000	5.82 4.72	5.30 6.83	28.4 34.8	151 195	28.4 34.8	151 195	34.7 44.7	0.049	0.65	

Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment.
The SRS-G is equipped with uncaged, full-complement bearings.
Using a greasing hole other than for greasing may cause damage.

Note) The maximum length under "Length * " indicates the standard maximum length of an LM rail. (See ■ 1-160.)
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
For the SRS5M and SRS5N LM guide, the balls will fall out of the block if it is removed from the rail.
To secure the LM rail of model SRS5M, use cross-recessed head screws for precision equipment (No. 0 pan head screw, class 1) M2.

Model number coding

2	SRS12M	QZ	UU	C1	+220L	P	M	-II
No. of LM blocks used on the same rail	Model No.	With QZ Lubricator	Contamination protection accessory symbol (*1)	Radial clearance symbol (*2)	LM rail length (in mm)	Stainless steel LM rail	Accuracy symbol (*3)	Symbol for No. of rails used on the same plane (*4)
			Normal (No symbol)/Light preload (C1)	Normal grade (No Symbol)/High accuracy grade (H)			Precision grade (P)	

(*1) See contamination protection accessory on **A1-494**. (*2) See **A1-70**. (*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.) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

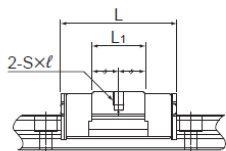
- Reference bolt tightening torque when mounting an LM block for model SRS 5 and 7 are shown in the table below.

Reference tightening torque

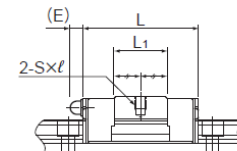
Model No.	Model No. of screw	Screw depth (mm)	Reference tightening torque(N-m)*
SRS 5	M2	1.5	0.4
SRS 7	M2	2.3	0.4

*Tightening above the tightening torque affects accuracy. Be sure to tighten at or below the defined tightening torque.

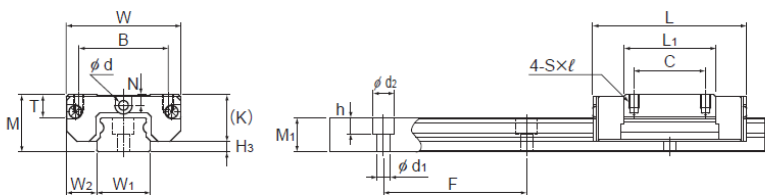
Model SRS-S, SRS-M i SRS-N



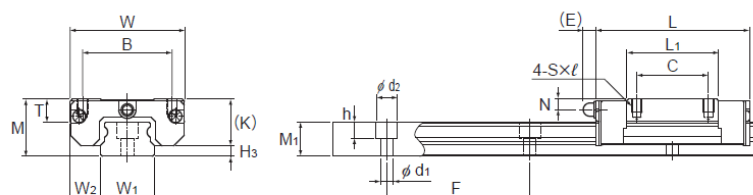
Model SRS15S



Model SRS15GS



Models SRS15M/N, 20M, 25M



Models SRS15GM/GN, 20GM, 25GM

Unit: mm

Model No.	Outer dimensions			LM block dimensions										LM rail dimensions					Basic load rating		Static permissible moment N-m*					Mass				
	Height M	Width W	Length L	B	C	S×ℓ	L ₁	T	K	N	E	Greasing hole d	Grease nipple	H ₃	Width W ₁	Width W ₂	Height M ₁	Pitch F	d ₁ ×d ₂ ×h	Length* Max	C kN	C ₀ kN	M _A		M _B		M _C	LM block	LM rail	
																							1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m	
SRS 15S SRS 15GS	16	32	32	25	—	M3×3.5	14.7	6.5	13.3	3	—	3	—	PB107	2.7	15 ⁰ _{-0.02}	8.5	9.5	40	3.5×6×4.5	2000	4.50 4.01	3.39 4.24	9.54 12.6	77.5 92.7	9.54 12.6	77.5 92.7	24.1 30.1	0.033	0.96
SRS 15M SRS 15GM	16	32	43	25	20	M3×3.5	25.7	6.5	13.3	3	—	3	—	PB107	2.7	15 ⁰ _{-0.02}	8.5	9.5	40	3.5×6×4.5	2000	6.66 5.59	5.7 5.72	26.2 24.8	154 158	26.2 24.8	154 158	40.4 40.6	0.047	0.96
SRS 15N SRS 15GN	16	32	60.8	25	25	M3×3.5	43.5	6.5	13.3	3	—	3	—	PB107	2.7	15 ⁰ _{-0.02}	8.5	9.5	40	3.5×6×4.5	2000	9.71 8.27	8.55 11.9	59.7 82.3	312 433	59.7 82.3	312 433	60.7 84.5	0.095	0.96
SRS 20M SRS 20GM	20	40	50	30	25	M4×6	34	9	16.6	4	—	3	—	PB107	3.4	20 ⁰ _{-0.03}	10	11	60	6×9.5×8	1800	7.75 5.95	9.77 9.4	54.3 44.7	296 242	62.4 53.3	341 289	104 91.4	0.11	1.68
SRS 25M SRS 25GM	25	48	77	35	35	M6×7	56	11	20	5	—	4	—	PB1021B	5	23 ⁰ _{-0.03}	12.5	15	60	7×11×9	1800	16.5 13.3	20.2 22.3	177 181	932 962	177 181	932 962	248 255	0.24	2.6

Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment. The SRS-G is equipped with uncaged, full-complement bearings. For the SRS15S/M/N, 20M, and 25M, if a grease nipple is required, please specify upon ordering. Using a greasing hole other than for greasing may cause damage.

Note) The maximum length under "Length * " indicates the standard maximum length of an LM rail. (See ■ 1-160.) Static Permissible Moment * 1 block: static permissible moment value with 1 LMblock Double blocks: static permissible moment value with 2 blocks closely contacting with each other

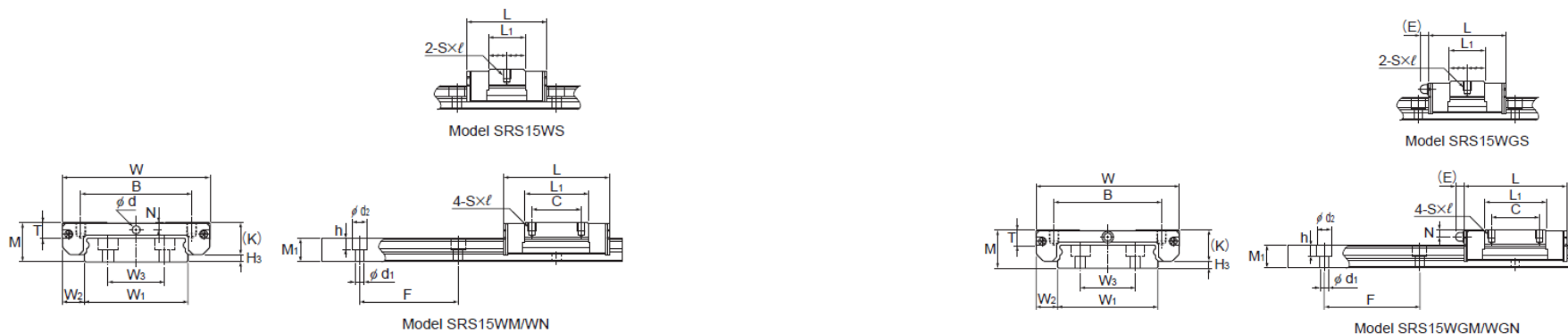
Model number coding

2	SRS20M	QZ	UU	C1	+220L	P	M	-II
No. of LM blocks used on the same rail	Model No.	With QZ Lubricator	Contamination protection accessory symbol (*1)	Radial clearance symbol (*2)	LM rail length (in mm)	Stainless steel LM rail	Accuracy symbol (*3)	Symbol for No. of rails used on the same plane (*4)
			Normal (No symbol)/Light preload (C1)	Normal (No symbol)/Light preload (C1)			Normal grade (No Symbol)/High accuracy grade (H)	
							Precision grade (P)	

(*1) See contamination protection accessory on **A1-494**. (*2) See **A1-70**. (*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.) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.

■ Model SRS-WS, SRS-WM i SRS-WN



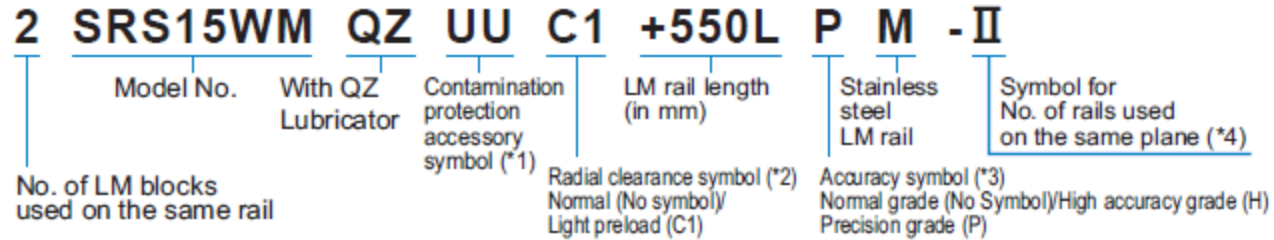
Unit: mm

Model No.	Outer dimensions			LM block dimensions										LM rail dimensions						Basic load rating		Static permissible moment N-m*					Mass				
	Height M	Width W	Length L	B	C	S×ℓ	L ₁	T	K	N	E	Greasing hole d	Grease nipple	H _s	Width W ₁	W ₂	W ₃	Height M ₁	Pitch F	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			
SRS 15WS SRS 15WGS	16	60	41.5	45	—	M4×4.5	24.9	6.5	13.3	3	—	3	—	PB107	2.7	42 ⁰ -0.02	9	23	9.5	40	4.5×8×4.5	2000	6.64 5.59	5.94 6.78	25.4 29	158 178	25.4 29	158 178	123 140	0.087	2.87
SRS 15WM SRS 15WGM	16	60	55.5	45	20	M4×4.5	38.9	6.5	13.3	3	—	3	—	PB107	2.7	42 ⁰ -0.02	9	23	9.5	40	4.5×8×4.5	2000	9.12 7.43	8.55 8.59	51.2 52.7	290 293	51.2 293	290 293	176 178	0.13	2.87
SRS 15WN SRS 15WGN	16	60	74.5	45	35	M4×4.5	57.9	6.5	13.3	3	—	3	—	PB107	2.7	42 ⁰ -0.02	9	23	9.5	40	4.5×8×4.5	2000	12.4 9.87	12.1 15.3	106 133	532 671	106 133	532 671	250 317	0.201	2.87

Note) Since stainless steel is used in the LM block, LM rail and balls, these models are highly resistant to corrosion and environment. The SRS-G is equipped with uncaged, full-complement bearings. For the SRS15WS/WM/WN, if a grease nipple is required, please specify upon ordering. Using a greasing hole other than for greasing may cause damage.

Note) The maximum length under "Length * " indicates the standard maximum length of an LM rail. (See ■1-160.) 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 number coding



(*1) See contamination protection accessory on **A1-494**. (*2) See **A1-70**. (*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.) Those models equipped with QZ Lubricator cannot have a grease nipple. When desiring a grease nipple for a model attached with QZ, contact THK.