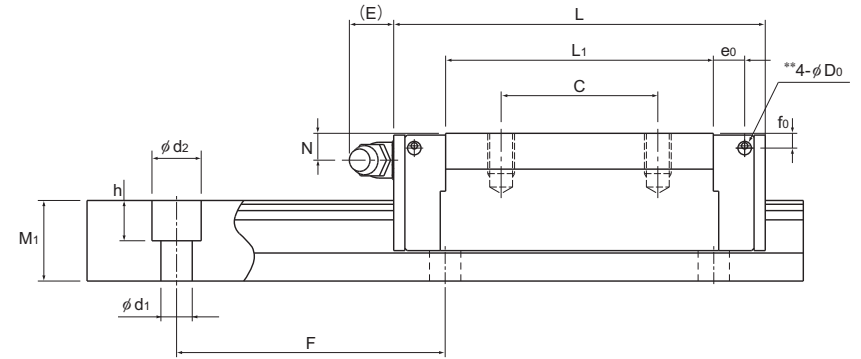
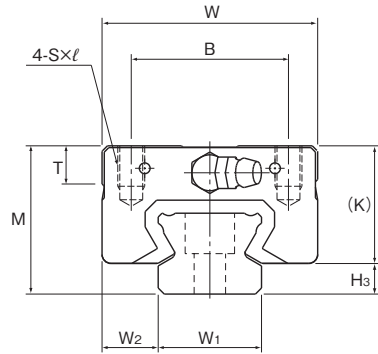


## Models SSR-XW and SSR-XWM



LM Guide

Unit: mm

Model No.	Outer dimensions			LM block dimensions												Grease nipple	H <sub>s</sub>
	Height	Width	Length	B	C	S×ℓ	L <sub>1</sub>	T	K	N	E	f <sub>0</sub>	e <sub>0</sub>	D <sub>0</sub>			
	M	W	L	B	C	S×ℓ	L <sub>1</sub>	T	K	N	E	f <sub>0</sub>	e <sub>0</sub>	D <sub>0</sub>			
SSR 15XW SSR 15XWM	24	34	56.9	26	26	M4×7	39.9	6.5	19.5	4.5	5.5	2.7	4.5	3	PB1021B	4.5	
SSR 20XW SSR 20XWM	28	42	66.5	32	32	M5×8	46.6	8.2	22	5.5	12	2.9	5.2	3	B-M6F	6	
SSR 25XW SSR 25XWM	33	48	83	35	35	M6×9	59.8	8.4	26.2	6	12	3.3	6.8	3	B-M6F	6.8	
SSR 30XW SSR 30XWM	42	60	97	40	40	M8×12	70.7	11.3	32.5	8	12	4.5	7.6	4	B-M6F	9.5	
SSR 35XW	48	70	110.9	50	50	M8×12	80.5	13	36.5	8.5	12	4.7	8.8	4	B-M6F	11.5	

Note) The M in the model number symbol indicates that the LM block, LM rail and balls are made of stainless steel. The stainless steel provides excellent corrosion and environmental resistance.

### Model number coding

**SSR25X W 2 QZ UU C1 M +1200L Y P T M -II**

Model number	Type of LM block	With QZ lubricator	Contamination protection accessory symbol (*1)	Stainless steel LM block	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)		Applied to only 15 and 25	Symbol for LM rail jointed use	
			Normal (No symbol)		Accuracy symbol (*3)		
			Light preload (C1)		Normal grade (No Symbol)		
					High accuracy grade (H)/Precision grade (P)		
					Super precision grade (SP)/Ultra precision grade (UP)		

(\*1) See contamination protection accessory on **A1-496**. (\*2) See **A1-70**. (\*3) See **A1-76**. (\*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 designing a grease nipple for a model attached with QZ, contact THK.

	LM rail dimensions					Basic load rating		Static permissible moment kN-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> ±0.05	W <sub>2</sub>	M <sub>1</sub>	F	d <sub>1</sub> ×d <sub>2</sub> ×h	Max	kN	kN	1 block	Double blocks	1 block	Double blocks	1 block	kg	kg/m
	15	9.5	12.5	60	4.5×7.5×5.3	3000 (1240)	14.7	16.5	0.0792	0.44	0.0486	0.274	0.0962	0.15	1.2
	20	11	15.5	60	6×9.5×8.5	3000 (1480)	19.6	23.4	0.138	0.723	0.0847	0.448	0.18	0.25	2.1
	23	12.5	18	60	7×11×9	3000 (2020)	31.5	36.4	0.258	1.42	0.158	0.884	0.33	0.4	2.7
	28	16	23	80	7×11×9	3000 (2520)	46.5	52.7	0.446	2.4	0.274	1.49	0.571	0.8	4.3
	34	18	27.5	80	9×14×12	3000	64.6	71.6	0.711	3.72	0.437	2.31	0.936	1.1	6.4

Note1) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-114**.)

Static permissible moment\* 1 block: the static permissible moment with one LM block  
Double 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 or SS. If other contamination protection accessories or lubricant equipment are installed, the total block length will increase. (See **A1-472** or **A1-492**)

\*\* A pilot hole for side nipples, when a grease nipple for a model equipped with LaCS or QZ Lubricator is needed. Pilot holes for side nipples are not drilled through for models other than those stated above.

For grease nipple mount machining, contact THK.  
Note2) For models SSR15 and 25, two types of rails with different mounting hole dimensions are offered (see Table1). When replacing this model with model SR, pay attention to the mounting hole dimension of the LM rail.

Contact THK for details.  
Note3) The basic load rating in the dimension table is for a load in the radial direction. Use Table7 on **A1-58** to calculate the load rating for loads in the reverse radial direction or lateral direction.

Table1 The dimension of the rail mounting hole

Model No.	Standard rail	Semi-Standard rail
SSR 15	For M4 (Symbol Y)	For M3 (No symbol)
SSR 25	For M6 (Symbol Y)	For M5 (No symbol)