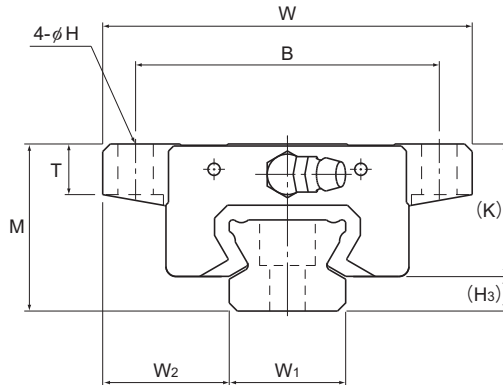


Model SSR-XTB



Model No.	Outer dimensions			LM block dimensions													Grease nipple	H ₃
	Height	Width	Length	B	C	H	L ₁	T	K	N	E	f ₀	e ₀	D ₀				
	M	W	L	B	C	H	L ₁	T	K	N	E	f ₀	e ₀	D ₀				
SSR 15XTB	24	52	56.9	41	26	4.5	39.9	7	19.5	4.5	5.5	2.7	4.5	3	PB1021B	4.5		
SSR 20XTB	28	59	66.5	49	32	5.5	46.6	9	22	5.5	12	2.9	5.2	3	B-M6F	6		
SSR 25XTB	33	73	83	60	35	7	59.8	10	26.2	6	12	3.3	6.8	3	B-M6F	6.8		
SSR 30XTB	42	90	97	72	40	9	70.7	10	32.5	8	12	4.5	7.6	4	B-M6F	9.5		
SSR 35XTB	48	100	110.9	82	50	9	80.5	13	36.5	8.5	12	4.7	8.8	4	B-M6F	11.5		

Model number coding

SSR15X TB 2 QZ UU C1 +820L Y P T -II

Model number

Type of LM block

No. of LM blocks used on the same rail

With QZ lubricator

Contamination protection accessory symbol

Radial clearance symbol
Normal (No symbol)
Light preload (C1)
Medium preload (C0)

LM rail length (in mm)

Applied to only 15 and 25 sizes

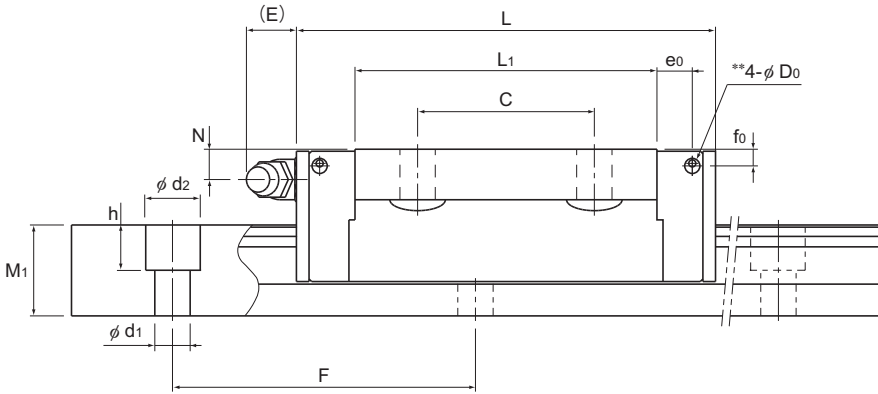
Symbol for LM rail jointed use

Accuracy symbol
Normal grade (No Symbol)
High accuracy grade (H)
Precision grade (P)
Super precision grade (SP)
Ultra precision grade (UP)

Symbol for No. of rails used on the same plane

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.)

Grease nipples are not installed when there is a QZ Lubricator. Contact THK if you want to use a grease nipple for a model with a QZ. See [A1-545](#) for contamination protection accessories, see [A1-73](#) for radial clearance symbol. See [A1-79](#) for accuracy symbol. See [A1-13](#) for symbol for number of rails used on the same plane.



Unit: mm

LM rail dimensions						Basic load rating		Static permissible moment kN·m*					Mass	
Width	Height	Pitch		Length*	C	C ₀	M _A		M _B		M _C	LM block	LM rail	
W ₁ ±0.05	W ₂	M ₁	F	d ₁ ×d ₂ ×h Max	kN	kN	1 block	2 blocks	1 block	2 blocks	1 block	kg	kg/m	
15	18.5	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	0.19	1.2	
20	19.5	15.5	60	6×9.5×8.5 3000 (1480)	19.6	23.4	0.138	0.723	0.0847	0.448	0.18	0.31	2.1	
23	25	18	60	7×11×9 3000 (2020)	31.5	36.4	0.258	1.42	0.158	0.884	0.33	0.53	2.7	
28	31	23	80	7×11×9 3000 (2520)	46.5	52.7	0.446	2.4	0.274	1.49	0.571	0.87	4.3	
34	33	27.5	80	9×14×12 3000	64.6	71.6	0.711	3.72	0.437	2.31	0.936	1.33	6.4	

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See **A1-118**.)

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 **A1-519** or **A1-541**)

** These are the side nipple pilot holes for when a grease nipple is desired for a product with LaCS or a QZ Lubricator.

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 available. (See Table 1.)

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 Table 7 on **A1-61** to calculate the load rating for loads in the reverse radial direction or lateral direction.

Table 1: Rail Mounting Hole Dimensions

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)