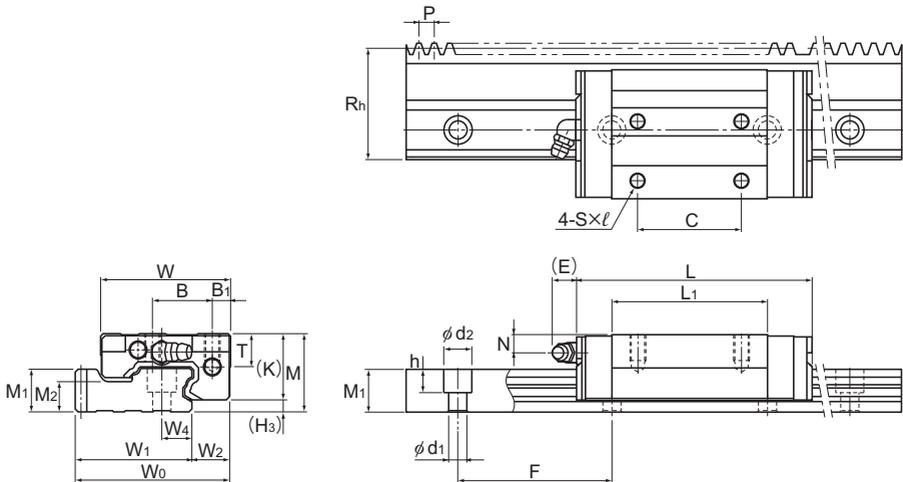


Model GSR-R



Model GSR-T-R

Model No.	Rack			Outer dimensions				LM block dimensions										Grease nipple	H ₃	
	Reference pitch dimension	Module	Pitch line height	Height	Width		Length													
	P		Rh	M	W	W ₀	L	B ₁	B	C	S×ℓ	L ₁	T	K	N	E				
GSR 25V-R GSR 25T-R	6	1.91	43	30	50	59.91	69 88	7	23	— 40	M6×10	41.2 60.2	12.7	25.4	7	12	B-M6F	4.6		
GSR 30T-R	8	2.55	48	33	57	67.05	103	8	26	45	M8×12	70.3	14.6	28.5	7	12	B-M6F	4.5		
GSR 35T-R	10	3.18	57	38	68	80.18	117	9	32	50	M8×15	80.3	15.6	32.5	8	12	B-M6F	5.5		

Note) A special type with a module pitch is also available. Contact THK for details.
For checking the pinion strength, see **A1-304**.

Model number coding

Single-rail LM Guide

GSR25T 2 UU +5000L H R T

Model number

Contamination protection accessory symbol (*1)
No. of LM blocks

LM rail length (in mm)

Symbol for LM rail jointed use

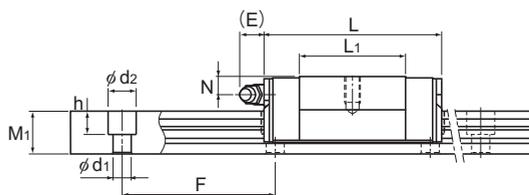
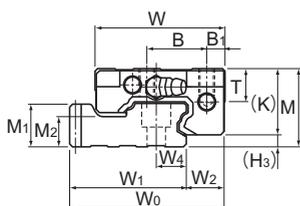
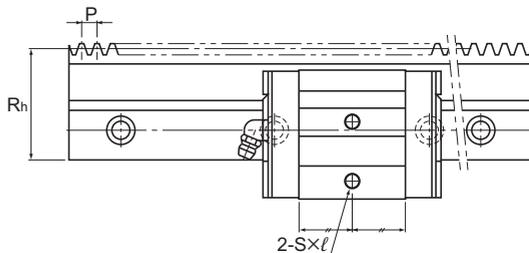
Symbol for rail with rack type
R: Symbol for rail with rack type

Accuracy symbol (*2)

Normal grade (No Symbol)/High accuracy grade (H)

(*1) See contamination protection accessory on **A1-522**. (*2) See **A1-83**.

Note) This model number indicates that a single-rail unit constitutes one set.



Model GSR25V-R

Unit: mm

LM rail dimensions							Basic load rating		Static permissible moment kN·m [†]				Mass	
Width		Height		Pitch	M ₂	d ₁ × d ₂ × h	C	C ₀	M _A		M _B		LM block	LM rail
W ₁	W ₂	W ₄	M ₁	F					1 block	Double blocks	1 block	Double blocks		
44.91	15	11.5	16.5	60	11.5	7 × 11 × 9	15.5 20	15.2 22	0.102 0.205	0.625 1.11	0.0891 0.176	0.541 0.961	0.29 0.5	4.7
50.55	16.5	14	19	80	12	9 × 14 × 12	27.8	29.9	0.325	1.77	0.28	1.52	0.6	5.9
60.18	20	17	22	80	14.5	11 × 17.5 × 14	37	39.1	0.485	2.63	0.419	2.27	1	8.1

Note1) The maximum length under "Length*" indicates the standard maximum length of an LM rail. (See [A1-302](#).)

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

A moment in the M_c direction can be received if two rails are used in parallel. However, since it depends on the distance between the two rails, it has been omitted.

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 [A1-497](#) or [A1-518](#))

For oil lubrication, be certain to contact THK with the mounting orientation.

(Mounting orientation: see [A1-12](#), Lubricant: see [A24-2](#))

Note2) The basic load rating in the dimension table is for a load in the radial direction. Use Table7 on [A1-60](#) to calculate the load rating for loads in the reverse radial direction or lateral direction.

Model number coding

LM block

GSR25T UU

Model
number

Contamination protection
accessory symbol (*1)

Rail with rack

GSR25-2004L H R

Accuracy symbol (*2)
Normal grade (No Symbol)
High accuracy grade (H)

R: Symbol for rail
with rack type

(*1) See contamination protection accessory on [A1-522](#). (*2) See [A1-83](#).

Options⇒ [A1-483](#)

THK A1-301