

GMLGX25 Multi-Roller Linear Slide

For Medium Load

Features

- Unique “Dual X” structure allows for smooth movement even when the load is applied horizontally or vertically
- The rail is for medium load, designed to withstand an operating load of up to 120 N in either a horizontal or vertical direction
- Passed 500,000 cycle test (tested at 200 mm/s, round trips of 100 mm)
- Since there is no ball creep, it can be used together with a motor drive
- Moves smoothly even when moment load occurs
- Guide block is a preloaded type with minimal backlash
- Suitable for applications including automation machines, medical equipment, analytical instruments, etc.

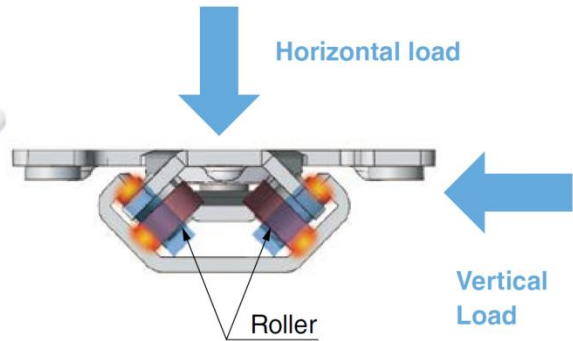
Notes

- Multiple guide blocks can be used together in guide rail
- Please use with stoppers



Multiple guide blocks can be used together in guide rail

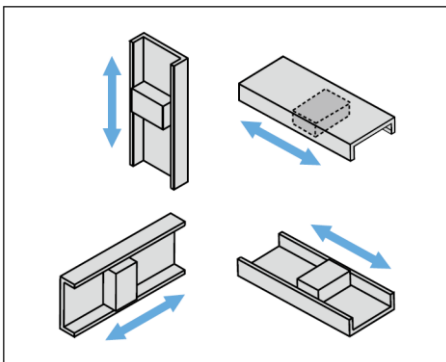
Dual X Structure



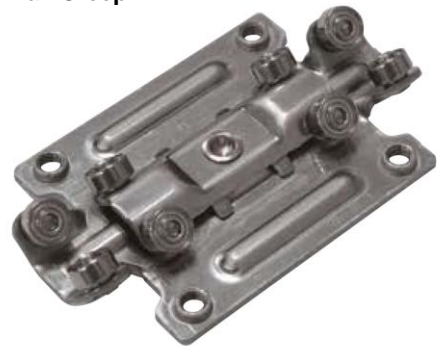
Rollers are located at two different angles to resist both horizontal and vertical loads

Mounting Direction

Can be mounted in the following directions

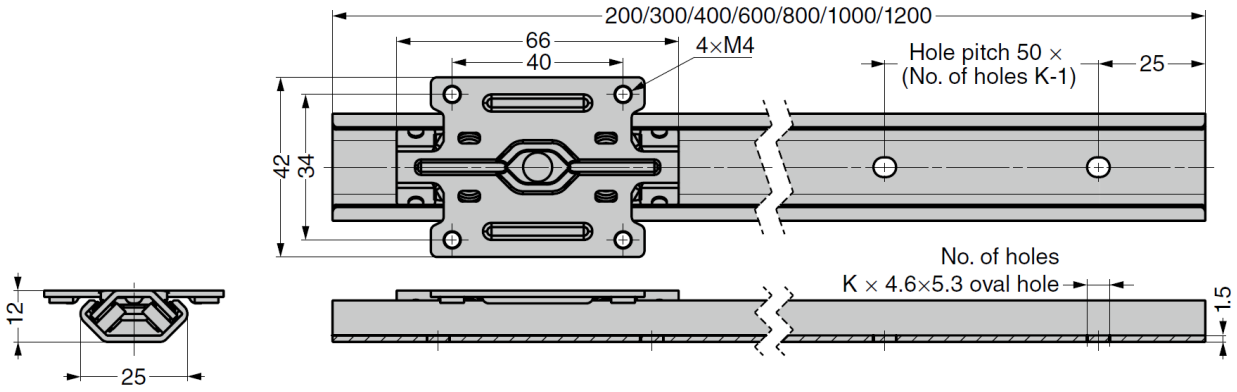


No Ball Creep



Ball creep² does not occur on roller slides, unlike ball bearing slides.

² A phenomenon where travel distances vary between outward and return paths due to a misaligned ball contact point that may occur depending on the smoothness of sliding or applied force when a ball type rail is moved. If extra load is applied in this state, the rail may become unable to move.

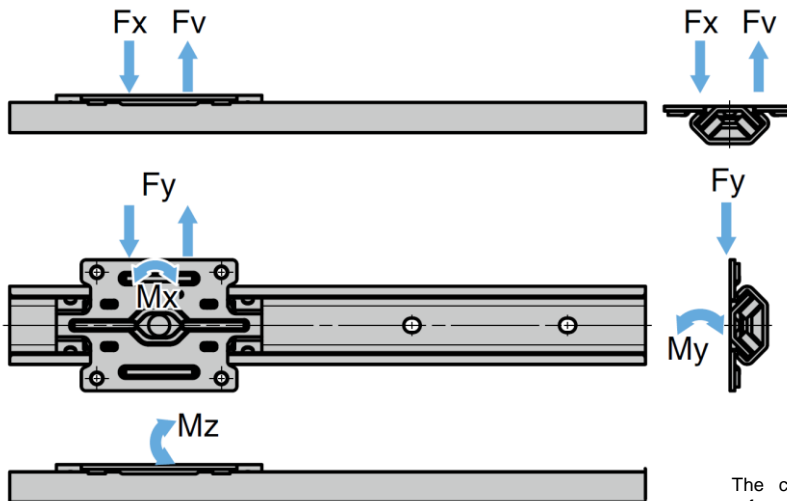


* The figure shows the dimensions when the guide rail and a guide block are combined.

Rated Load Reference Values

Loading Direction	Horizontal Load F_x		Vertical Load F_y		Horizontal Load F_v	
	N	kgf	N	kgf	N	kgf
Max. Load Capacity	200	20.4	200	20.4	130	13.2
Operating Load	120	12.2	120	12.2	80	8.1

Loading Direction	Moment M_x		Moment M_y		Moment M_z	
	N.m	kgf.cm	N.m	kgf.cm	N.m	kgf.cm
Max. Moment	4.0	40.8	2.0	20.4	4.0	40.8
Operating Moment	2.4	24.4	1.2	12.2	2.4	24.4



The calculation formula above is for reference purpose only. Please confirm with the actual item before use

GMLGX25 Multi-Roller Linear Guide Rail

For Medium Load

Material

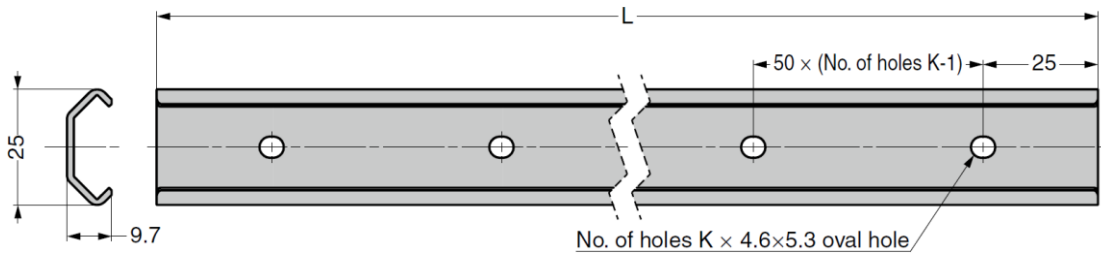
- Stainless steel 304

Notes

- Grease is applied to the rail. When applying additional grease, use lithium soap grease

Recommended Screw

- Hexagon socket bolt M4 (head diameter: 7.6 mm or less, head height: 2.2 mm or less)



Part No.	Length (L)	No. of Holes (K)
GMLGX25-200S	200	4
GMLGX25-300S	300	6
GMLGX25-400S	400	8
GMLGX25-600S	600	12
GMLGX25-800S	800	16
GMLGX25-1000S	1000	20
GMLGX25-1200S	1200	24

GMLGX-25C-8 Multi-Roller Linear Guide Block

For Medium Load



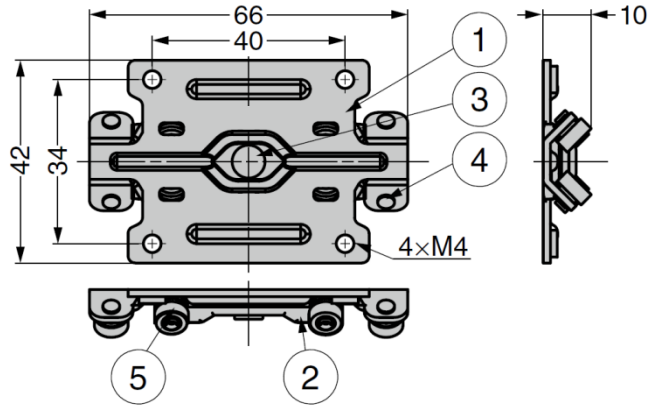
Front



Back

Preloaded type with minimal backlash

No.	Part Name	Material
①	Mounting Plate	Stainless Steel (SUS430)
②	Holding Plate	
③	Caulking Pin	Stainless Steel (SUS303)
④	Roller Pin	Stainless Steel (SUS XM7)
⑤	Bearing Roller	Steel



Part No.
GMLGX25C-8

Operating Load/Moment and Travel Distance (Life) Guidelines

Condition: 200 mm/sec of speed

