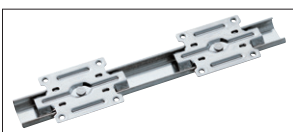
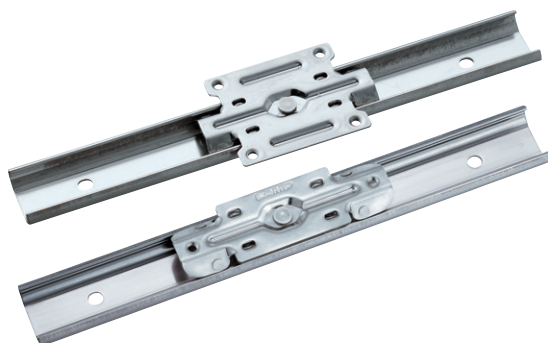


LAMP MULTI-ROLLER LINEAR GUIDE MLGX25 For Medium Load NEWLatest
Info

Passed a run test of 100 km



Multiple guide blocks can be used in a guide rail.

Video Link



Video Link



- The unique Dual X structure provides smooth movement under horizontal, vertical and moment loads.
- The operating load for both horizontal and vertical loads is 120 N.
- Tested at 200 mm/s for 500,000 round trips of 100 mm (total distance 100 km).
- Since there is no ball creep*, it can be used together with a motor drive.
- The guide block is a preloaded type with minimal backlash.
- A Narrow Guide Block and Butt-jointing Rail have been added to the range.

Application

- Automatic machines, medical equipment, analytical instruments and machine tools.

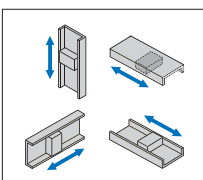
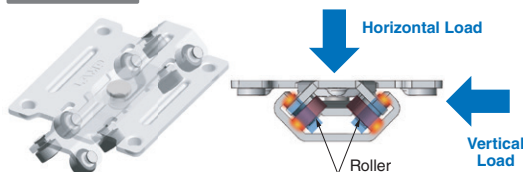
Remarks

- Be sure to provide separate stoppers.

* This phenomenon occurs when a ball type rail is moved and, depending on sliding conditions or the applied force, the ball contact point shifts, causing the travel distance to differ between forward and return movement. If extra load is applied in this state, the rail may become unable to move.

Mounting Direction

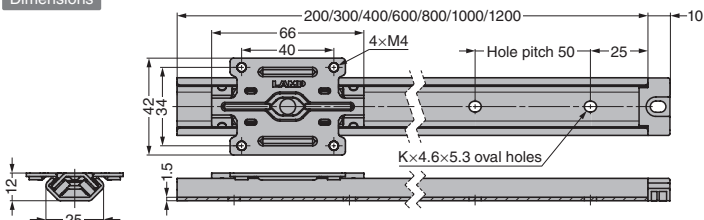
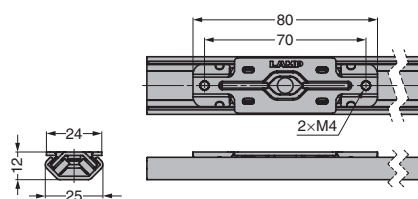
Can be mounted in the following directions.

**Dual X Structure**

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

No Ball Creep

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

Dimensions**Narrow Guide Block Dimensions**

* The figure shows the dimensions when the guide rail, guide block and end cap are combined.

[Rated Load Reference Values]**MLGX-25C-8 Standard Type**

Loading Direction	Horizontal Load Fx		Vertical Load Fy		Horizontal Load Fv		Moment Mx		Moment My		Moment Mz	
	N	kgf	N	kgf	N	kgf	N-m	kgf-cm	N-m	kgf-cm	N-m	kgf-cm
Max. Load Capacity (Max. Moment)	200	20.4	200	20.4	130	13.2	4	40.8	2	20.4	4	40.8
Operating Load (Operating Moment)	120	12.2	120	12.2	80	8.1	2.4	24.4	1.2	12.2	2.4	24.4
Butt-Jointed: Operating Load (Operating Moment)	100	9.8	100	9.8	50	5.1	1.2	12.2	0.3	3.1	1.6	16.3

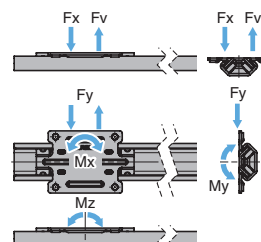
MLGX-25CN-8 Narrow Type

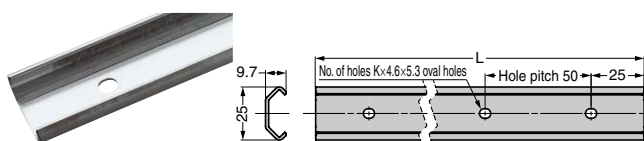
Loading Direction	Horizontal Load Fx		Vertical Load Fy		Horizontal Load Fv		Moment Mx		Moment My		Moment Mz	
	N	kgf	N	kgf	N	kgf	N-m	kgf-cm	N-m	kgf-cm	N-m	kgf-cm
Max. Load Capacity (Max. Moment)	200	20.4	200	20.4	100	10.2	4	40.8	1.6	16.3	4	40.8
Operating Load (Operating Moment)	120	12.2	120	12.2	60	6.1	2.4	24.4	1	10.2	2.4	24.4
Butt-Jointed: Operating Load (Operating Moment)	100	9.8	100	9.8	40	4.1	1.2	12.2	0.2	2	1.6	16.3

■ When using Butt-jointing Rails

Test method: Two rails are connected and run 50,000 times back and forth over a distance of 1,000 mm each way = 100 km travel distance

* Apply the correction factor according to the number of times the connection section is passed during operation. For details P.D29



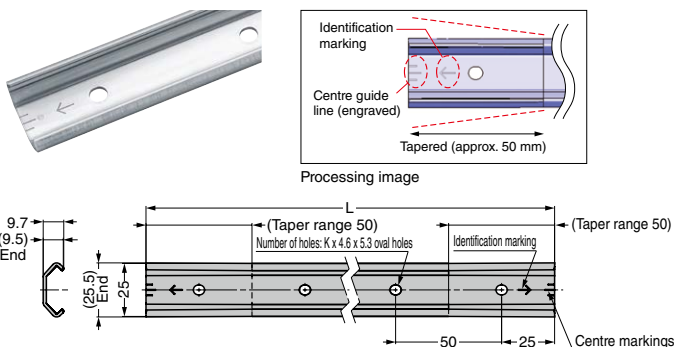
GUIDE RAIL **MLGX25 NEW**• **Standard rail (non-jointing type).****Others**

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

Recommended Screw

- Hexagon socket button head screw M4 (head diameter: $\phi 7.6$ mm or less, head height: 2.2 mm or less)

RoHS	Item Code	Item Name	Length L	No. of Holes K	Material	Weight (g)	Box (pcs)
●	190-047-257	MLGX25-200S	200	4	Stainless Steel (SUS304)	86	100
●	190-047-258	MLGX25-300S	300	6		130	50
●	190-047-259	MLGX25-400S	400	8		173	50
●	190-047-260	MLGX25-600S	600	12		258	20
●	190-047-261	MLGX25-800S	800	16		344	20
●	190-047-262	MLGX25-1000S	1000	20		430	20
●	190-047-263	MLGX25-1200S	1200	24		516	20

BUTT-JOINTING RAIL **MLGX25 NEW**

- Tapered ends minimise preload at rail joints.
- Easy centring using the Butt-jointing Jig (optional item)

Others

- Grease is applied to the rail. When applying additional grease, use lithium soap grease.
- Slight noise may occur when passing through the connecting section but does not affect operation.

Remarks

- Can only be connected to Butt-jointing Rail. Do not connect to standard rails.
- Repeated use of the jig may cause wear debris to adhere to the rail.

Recommended Screw

- Hexagon socket button head screw M4 (head diameter: $\phi 7.6$ mm or less, head height: 2.2 mm or less)

BUTT-JOINTING JIG FOR MLGX25



Application Example

Installation



BUTT-JOINTING RAIL

RoHS	Item Code	Item Name	Length L	No. of Holes K	Material	Weight (g)	Box (pcs)
●	190-058-711	MLGX25-J200S	200	4	Stainless Steel (SUS304)	86	100
●	190-058-712	MLGX25-J300S	300	6		130	50
●	190-058-713	MLGX25-J400S	400	8		173	50
●	190-058-714	MLGX25-J600S	600	12		258	20
●	190-058-715	MLGX25-J800S	800	16		344	20
●	190-058-716	MLGX25-J1000S	1000	20		430	20
●	190-058-717	MLGX25-J1200S	1200	24		516	20

BUTT-JOINTING JIG FOR MLGX25

RoHS	Item Code	Item Name	Material	Color	Weight (g)	Box (pcs)
●	190-058-718	MLGX25-JIG-A	Polypropylene (PP)	Orange	8.4	200

Select the guide block and optional parts from the following page. ►