

LAMP RESIN ROLLER LINEAR GUIDE MRG30 NEWLatest
Info

Passed a run test of 100km



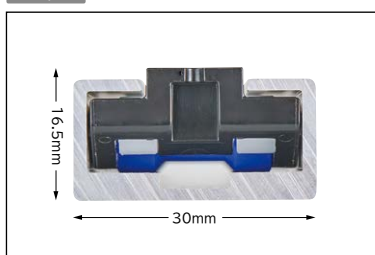
- Supports horizontal load F_x , F_v , moment in M_z direction, and vertical usage.
- Guide block uses resin rollers for quiet operation.
- Blue rollers are made of Monomer Cast Nylon for enhanced durability.
- Tested at 200mm/s for 500,000 round trips of 100mm (total distance 100km).

Application

- Automated machines, medical equipment, analytical devices, machine tools, etc.

Remarks

- The mounting holes and both ends of the aluminium rail are unfinished.
- Please use with stoppers.

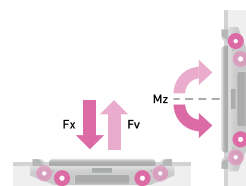
Compact

The height, including the rail, is a compact 16.5mm.

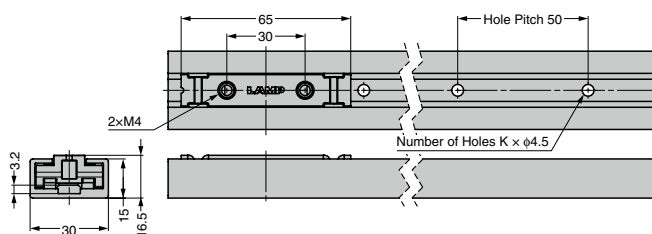
Highly Durable Monomer Cast Nylon Rollers

Roller type mechanism eliminates ball creep.

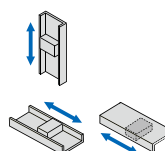
Ball creep is a phenomenon where travel distances vary between outward and return paths due to a misaligned ball contact point that may occur on ball type rails because of sliding or applied force. If extra load is applied in this state, the rail may become unable to move.



The rollers bear the horizontal load and moment, ensuring smooth operation.

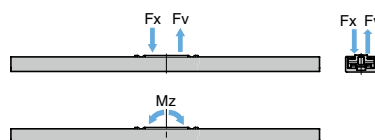


The diagram represents the combined dimensions of the linear guide and guide block.

Mounting Direction**Preload Direction****Rated Load Reference Values**

Loading Direction	Horizontal Load F_x		Horizontal Load F_v	
	N	kgf	N	kgf
Max. Load Capacity	260	26.5	80	8.1
Operating Load	200	20.4	60	6.1

Loading Direction	Moment M_z	
	N-m	kgf-cm
Max. Moment	2.8	28.5
Operating Moment	2.4	24.4



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