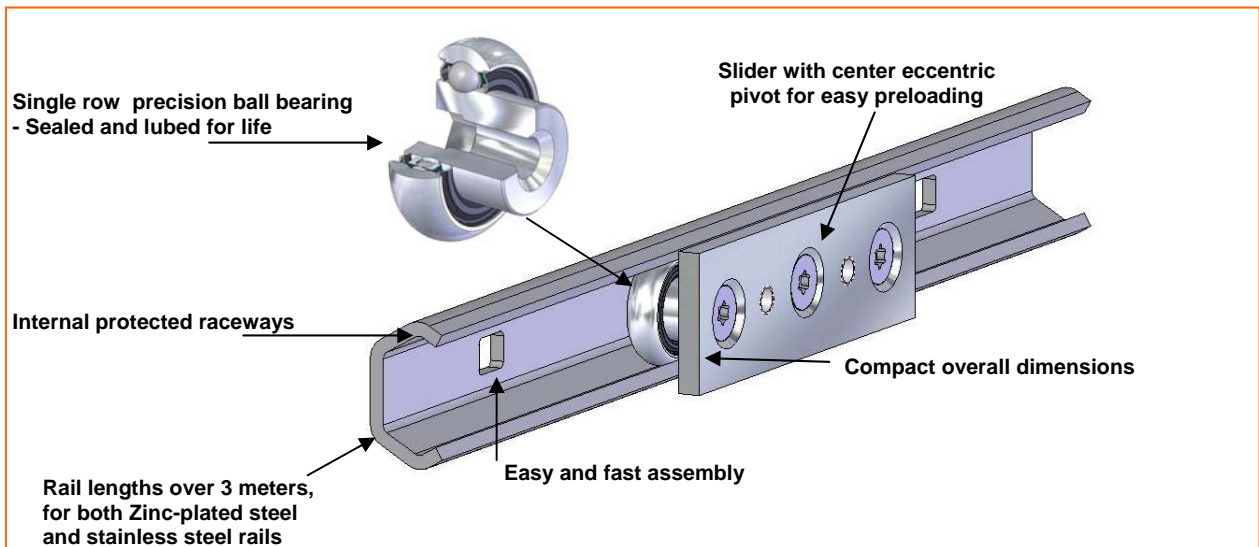


# MONORACE: LA SERIES



## LAX Series in Stainless Steel

## LAZ Series in Zinc plated Steel



### LAX Series

The new LAX Series Rails and PAX Series Sliders are made completely in stainless steel and are designed for light load applications where high corrosion resistance is required; i.e. food processing, medical equipment, outdoor applications, etc.

The LAX Series is suitable for maritime applications, environments with corrosive agents, and applications that require frequent wash-down. Similarly, the LAX Series is also suitable for clean-room applications.

### Technical Characteristics

- Rails are rolled, AISI 304 stainless steel
- Rollers are hardened AISI 440C stainless steel
- Slider body is AISI 304 stainless steel
- Screws are AISI 304 stainless steel
- Rails, rollers, sliders and screws are made of non-magnetic stainless steels
- Rollers have 2RS seals and are lubed for life with mineral oil for food processing applications
- Operating temperature  $-30^{\circ}\text{C}$  to  $110^{\circ}\text{C}$
- Slider has adjustable eccentric central roller for easy preload adjustment and smooth movement without clearance

### LAZ Series

The new LAZ Series Rails and PAZ Series Sliders are made with Zinc plated steel and hardened bearings. Dimensionally, these are identical to the stainless steel LAX Series, but more economical for applications that do not require the high level of corrosion resistance.

The LAZ Series is designed for simple low-load applications needing smooth movement from inexpensive linear bearings.

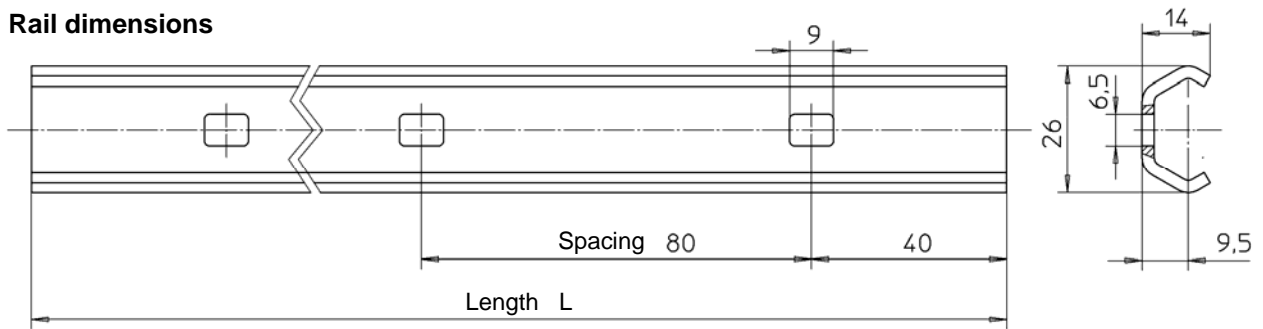
Through the use of high temperature bearing grease and a lack of plastic parts, the LAZ Series is also suitable for high temperature applications (up to  $130^{\circ}\text{C}$ ).

The compact design, protected raceways, easy assembly together with the high performance vs price ratio, make this one of the most advantageous linear bearing solutions on the market.

### Technical Characteristics

- Rails are rolled steel with bright Zinc-plating
- Rollers are made in hardened bearing steel
- Slider body is bright Zinc-plating steel
- Screws in bright Zinc-plated steel
- Rollers have 2Z seals and are lubed for life with high temperature mineral grease
- Operating temperature  $-40^{\circ}\text{C}$  to  $130^{\circ}\text{C}$
- Slider has adjustable eccentric central roller for easy preload adjustment and smooth movement without clearance

### Rail dimensions



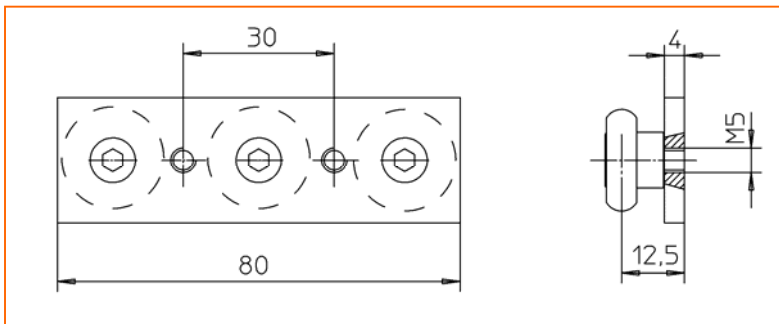
Rail code	Length *(mm)				
LAX 26	1040	1520	2080	2560	3120
LAZ 26	1040	1520	2080	2560	3120

\* Other lengths on request

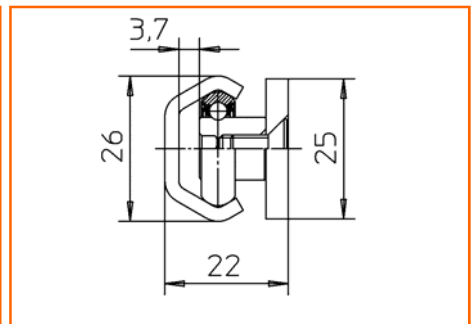
Recommended  
Mounting screws:  
BHCS M5 (ISO 7380)  
or BHCS #10-32.

Rail type → Length  
Order code : LAX26-1040

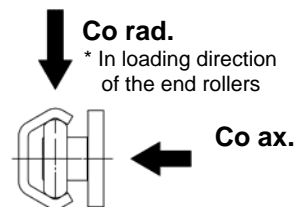
### Slider dimensions



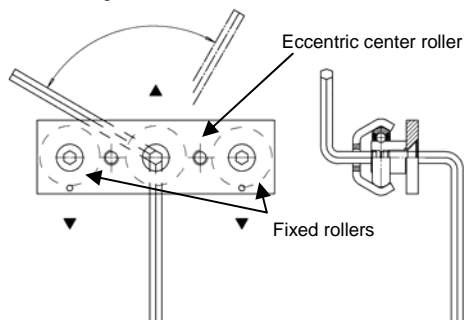
### Installation dimensions



Slider code	Co rad. (N)	Co ax. (N)	Weight (g)
PAX 26-3	800	400	103
PAZ 26-3	800	400	103



### Preload adjustment



The preload adjustment is done through the slider's center eccentric roller. After inserting the slider into the rail, the preload is set by adjusting the center roller against the opposite raceway using 2 Allen keys. This adjustment must be done before mounting the rail since one Allen key must pass through a rail mounting hole into the axle of the center roller (see illustration). During adjustment of the eccentric roller, it is necessary to keep the mounting screw (in the slider body) a bit tight until contact with the opposing raceway. After light contact of the eccentric roller, the Allen key behind the rail will be held firm while the mounting screw is tightened. Move the slider along the whole rail to ensure smooth movement without clearance. If the slider is found to be too tight or has some clearance in places, re-adjust to suit.

Tightening torque : 7 Nm

### Roller dimensions

Roller code	Type	Material	Seals	Co rad.(N)	Weight (g)
PCX 26	Concentric	Stainless	2RS	924	13,5
PEX 26	Eccentric	Stainless	2RS	924	13,5
PCZ 26	Concentric	Steel	2Z	924	13,5
PEZ 26	Eccentric	Steel	2Z	924	13,5

