

# Linear guide

# LFS-16-150

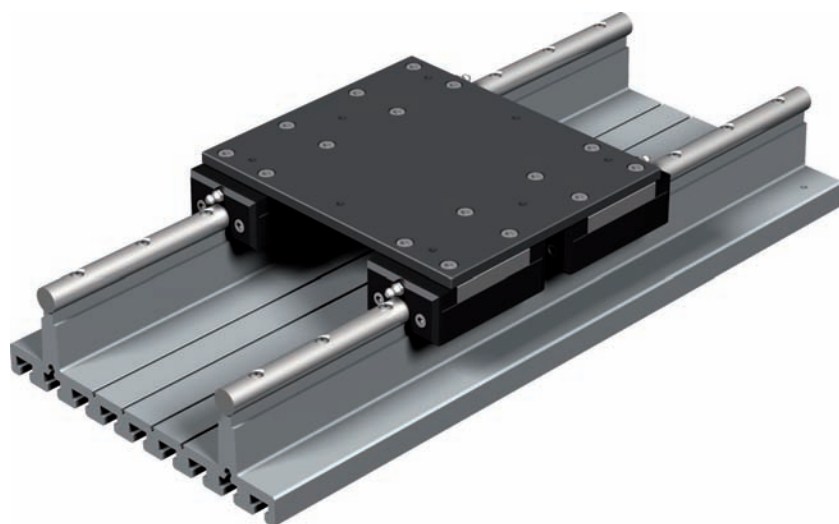
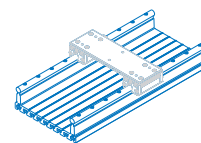


Figure:  
Linear guide rail and 4 linear guide slides with slide panel

## Linear guide rail LS-16-150



- 2 precision steel shafts Ø 16 mm
- Aluminium profile track with T-groove indents, 25 mm grid, anodized
- Precise shaft intake contour milled in a clamp mount
- Conditionally cantilevered
- Standard length 3 m, segmentable as needed
- Weight: 13.85 kg/m

Item no.: **220030 0099** (Length 1 m)  
**220030 0199** (Length 2 m)  
**220030 0299** (Length 3 m)

Option:

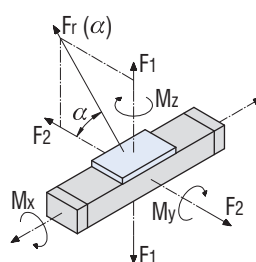
- Other lengths (longer or shorter)

## Load data

Linear guide LFS-16-150 2 steel slides		Linear guide LFS-16-150 4 steel slides	
C <sub>0</sub>	7598 N	C <sub>0</sub>	10.130 N
C	4857 N	C	6476 N
F <sub>1</sub> stat.	6488 N	F <sub>1</sub> stat.	8650 N
F <sub>1</sub> dyn.	4148 N	F <sub>1</sub> dyn.	5530 N
F <sub>2</sub> stat.	7598 N	F <sub>2</sub> stat.	10.130 N
F <sub>2</sub> dyn.	4857 N	F <sub>2</sub> dyn.	6476 N
M <sub>x</sub> stat.	486.6 Nm	M <sub>x</sub> stat.	648.8 Nm
M <sub>y</sub> stat.	194.6 Nm	M <sub>y</sub> stat.	475.8 Nm
M <sub>z</sub> stat.	227.9 Nm	M <sub>z</sub> stat.	557.2 Nm
M <sub>x</sub> dyn.	311.1 Nm	M <sub>x</sub> dyn.	414.8 Nm
M <sub>y</sub> dyn.	124.4 Nm	M <sub>y</sub> dyn.	304.2 Nm
M <sub>z</sub> dyn.	145.7 Nm	M <sub>z</sub> dyn.	356.2 Nm

$$F_r(\alpha) = \frac{F_2}{\cos \alpha}$$

$$F_r(\alpha) = \frac{F_1}{\sin \alpha}$$



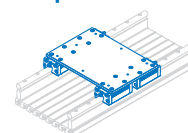
## Linear guide slide FS-16-S0



- Steel slide  
L 94 x W 58 x 33.7 mm
- 4 ball races, adjustable backlash-free
- Lubricating nipple on the face
- Weight: 0.72 kg

Item no.: **223210**

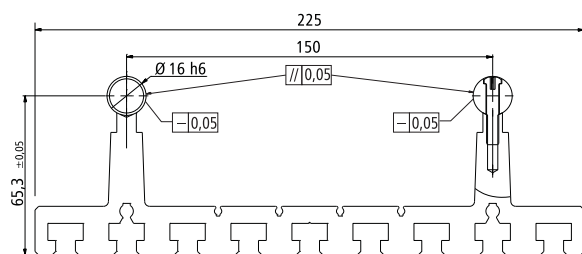
## Linear guide slide FS-16-S0 with slide panel



- 2 or 4 linear guide slides
- Slide panel (steel ground)
- Adjustable backlash-free
- Weight: 2.5 kg or 5.1 kg respectively

Item no.: **223240 0036** (2 slides)  
**223240 0037** (4 slides)

## Scale drawing



The two prismatic shaft intake contours are simultaneously produced clamped on a dual side milling cutter. This process ensures a high parallelism between the two precision steel shafts to each other. Both steel shafts are bolted down onto the milled profile in a grid of 100 mm.

Technical specifications subject to change.