Linear guide

LFS-12-2

Figure:
Linear guide rail and linear guide slide

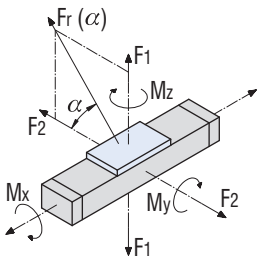
Figure:
2 precision steel shafts with linear guide slides and shaft intake brackets

Load data

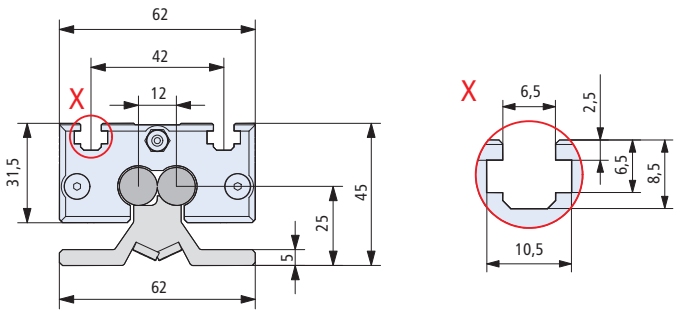
Linear guide Aluminium	FS-12-12
C_o	3303 N
C	1873 N
F_1 stat.	2821 N
F_1 dyn.	1599 N
F_2 stat.	3303 N
F_2 dyn.	1873 N
M_x stat.	29.8 Nm
M_y stat.	105.3 Nm
M_z stat.	123.3 Nm
M_x dyn.	16.8 Nm
M_y dyn.	59.7 Nm
M_z dyn.	69.9 Nm

$$Fr(\alpha) = \frac{F2}{\cos \alpha}$$

$$Fr(\alpha) = \frac{F1}{\sin \alpha}$$

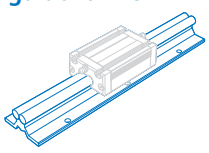


Scale drawing



Technical specifications subject to change.

Linear guide rail LS-12-2

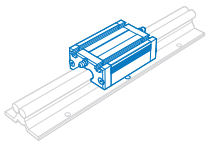


- 2 precision steel shafts Ø 12mm Mounting grid 100 mm
- Milled shaft intake contour
- Aluminium profile track with T-groove indents, anodized
- Conditionally cantilevered
- Standard length 3 m, segmentable as needed
- Weight: 3.29 kg/m

Item no.: **235200 0998** (Length 1 m)
235200 1998 (Length 2 m)
235200 2998 (Length 3 m)

Option:
- Other lengths (longer or shorter)
- Shaft intake brackets

Linear guide slide FS-12-12



- Aluminium slide with 8 steel inserts L 96 x W 62 x H 31.5 mm
- 4 ball races, adjustable backlash-free
- Lubricating nipple on the face
- Weight: 0.33 kg

Item no.: **223104 0070**

Option:
- Linear guide slides with sliding bushes

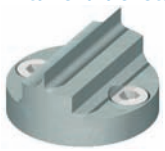
Linear guide rail LS-12-1

(1 steel shaft)

Item no.: **227312 0998** (Length 1 m)
227312 1998 (Length 2 m)
227312 2998 (Length 3 m)

Option:
- Other lengths (longer or shorter)

Shaft intake brackets



- Ø40 mm, hole spacing 28 mm
- Zinc casting
- SU 10 pieces

Item no.: **221 501**