Linear guide

LFS-8-7

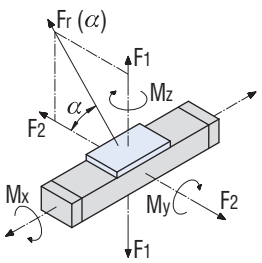
Figure:
Linear guide rail and linear guide slide

Load data

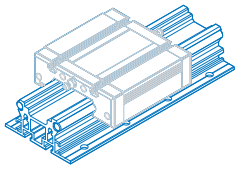
Linear guide Aluminium FS-8-45	
C_o	3114 N
C	1846 N
F_1 stat.	2659 N
F_1 dyn.	1576 N
F_2 stat.	3114 N
F_2 dyn.	1846 N
M_x stat.	67.3 Nm
M_y stat.	100.5 Nm
M_z stat.	117.6 Nm
M_x dyn.	39.9 Nm
M_y dyn.	59.5 Nm
M_z dyn.	69.7 Nm

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

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



Linear guide rail LS-8-7

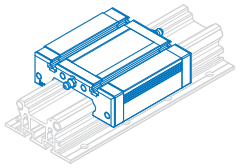


- 2 precision steel shafts Ø 8 mm
  Mounting grid 100 mm
- Shaft intake contour
  (Clamp joint)
- Aluminium profile track with T-groove indents, anodized
- Conditionally cantilevered
- Standard length 3 m,
  segmentable as needed
- Weight: 2.9 kg/m

Item no.: **235012 0099** (Length 1 m)
235012 0199 (Length 2 m)
235012 0299 (Length 3 m)

Option:
- Other lengths (longer or shorter)

Linear guide slide FS-8-45

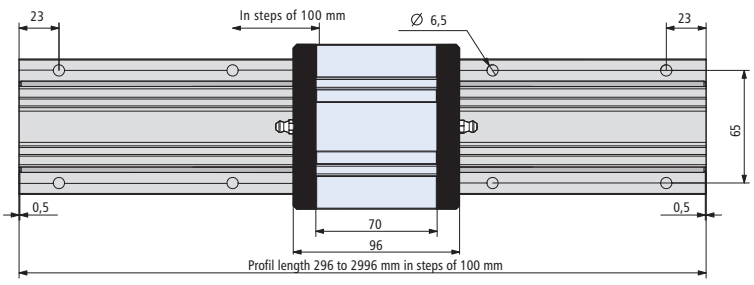


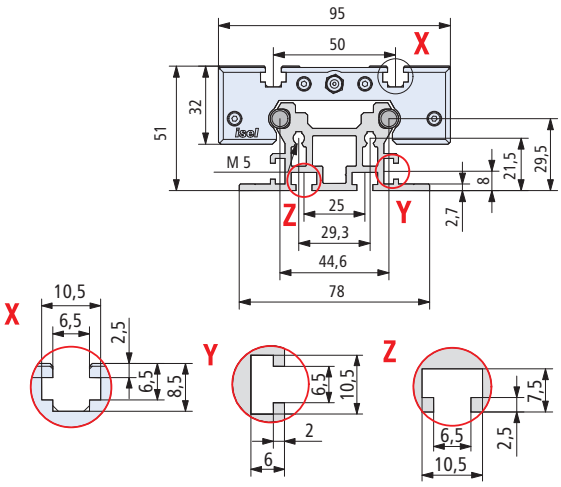
- Aluminium slide with 8 steel inserts
  L 96 x W 96 x H 32 mm
- 4 ball races, adjustable backlash-free
- Lubricating nipple on the face
- Weight: 0.40 kg

Item no.: **223111 0070**

Option:
- Linear guide slides with sliding bushes

Scale drawings





Technical specifications subject to change.

mechanics
Current information available at www.mechanics.isel.com