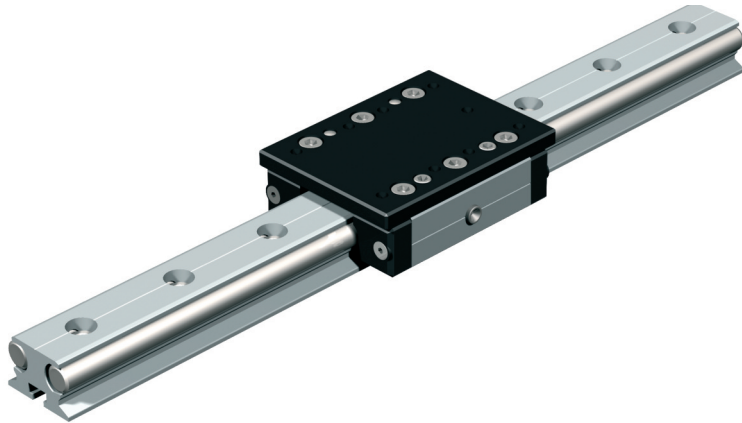


Linear guide rail

LFS-12-10



Features

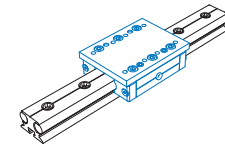
- W 36 × H 24.5 mm
- 2 precision steel shafts Ø 12
- anti-twist
- Aluminium shaft housing profile, naturally anodised
- Fixing from below with M6 tapped rails in T-groove insert and from above M6 drillings in 50 mm raster
- conditionally freeloading
- Special lengths to order
- Weight: appr. 2.9 kg/m

Ordering key

220 001 XXXX

Length in mm (in 100 mm raster)
 e.g. **0300** = Length 296
3000 = Length 2996
 Profile length = Length overall L - 1 mm

Special lengths over 3000 with rod linkage to order.

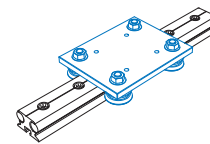


Slide

- ground steel plate
- lubrication system option
- adjustable for no play

L 100 × W 75 × H 31.5 mm (WS 8/70)
 (Weight: appr. 0.7 kg)
 Part no.: **223108 0070**

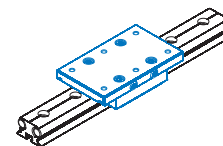
L 150 × W 75 × H 31.5 mm (WS 8)
 (Weight: appr. 1.0 kg)
 Part no.: **223108**



Carriage LW 4

- L 125 × W 97 × H 7.7 mm
- ground steel plate
- 4 rollers Ø 31, sealed for life
- adjustable for no play
- Weight: 1.02 kg

Part no.: **223009**



For steel shafts Ø 12 mm

Dual track set 1

- L75 x W75 x H30.2 mm
- with 2 SMALL linear ball bearings

Part no.: **223001**

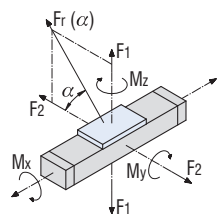
Dual track set 2

- L125 x W75 x H30.2 mm
- with 2 LARGE linear ball bearings

Part no.: **223002**

Loading data

Slide WS 8/70		Slide WS 8		Carriage LW 4		Dual track set 1		Dual track set 2	
C ₀	3303 N	C ₀	4868 N	C ₀	2160 N	C ₀	645 N	C ₀	1905 N
C	1873 N	C	2426 N	C	4000 N	C	600 N	C	1125 N
F ₁ stat.	2821 N	F ₁ stat.	4157 N	F ₁ stat.	4320 N	F ₁ stat.	652 N	F ₁ stat.	1927 N
F ₁ dyn.	1599 N	F ₁ dyn.	2071 N	F ₁ dyn.	3846 N	F ₁ dyn.	607 N	F ₁ dyn.	1138 N
F ₂ stat.	3303 N	F ₂ stat.	4868 N	F ₂ stat.	2160 N	F ₂ stat.	645 N	F ₂ stat.	1905 N
F ₂ dyn.	1873 N	F ₂ dyn.	2426 N	F ₂ dyn.	4000 N	F ₂ dyn.	600 N	F ₂ dyn.	1125 N
M _x stat.	46.7 Nm	M _x stat.	68.8 Nm	M _x stat.	135.4 Nm	M _x stat.	16.0 Nm	M _x stat.	46.0 Nm
M _y stat.	105.3 Nm	M _y stat.	155.2 Nm	M _y stat.	194.4 Nm	M _y stat.	13.0 Nm	M _y stat.	119 Nm
M _z stat.	123.3 Nm	M _z stat.	181.7 Nm	M _z stat.	97.2 Nm	M _z stat.	13.0 Nm	M _z stat.	118 Nm
M _x dyn.	26.4 Nm	M _x dyn.	34.2 Nm	M _x dyn.	120.5 Nm	M _x dyn.	15.0 Nm	M _x dyn.	27.0 Nm
M _y dyn.	59.7 Nm	M _y dyn.	77.3 Nm	M _y dyn.	173.0 Nm	M _y dyn.	12.0 Nm	M _y dyn.	71.0 Nm
M _z dyn.	69.9 Nm	M _z dyn.	90.5 Nm	M _z dyn.	180.0 Nm	M _z dyn.	12.0 Nm	M _z dyn.	70.0 Nm



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

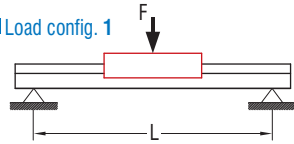
$$Fr(\alpha) = \frac{F_1}{\sin \alpha}$$

Linear guide rail

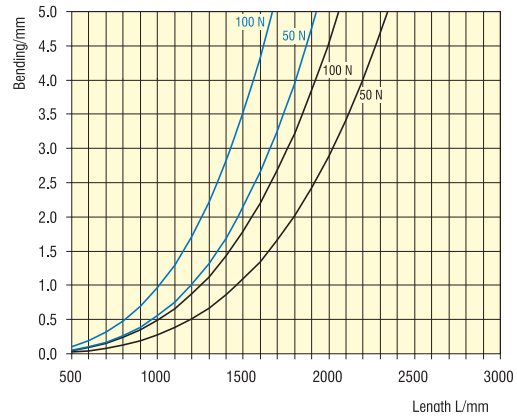
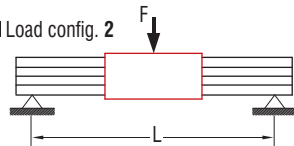
LFS-12-10

Bending

■ Load config. 1

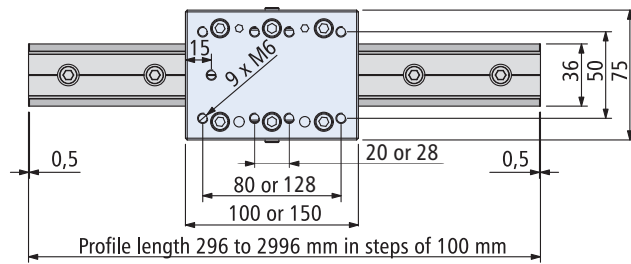
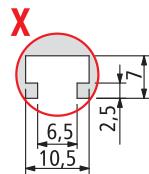
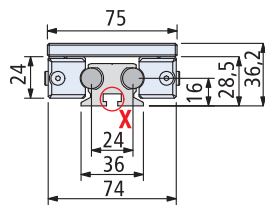


■ Load config. 2

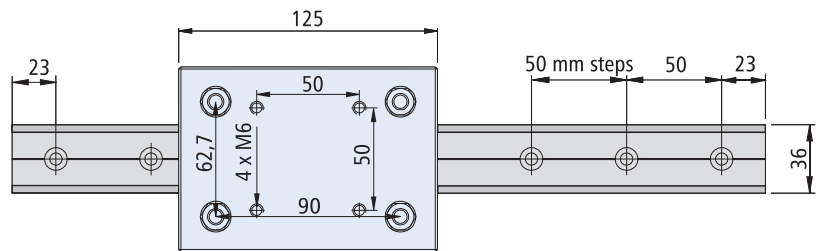
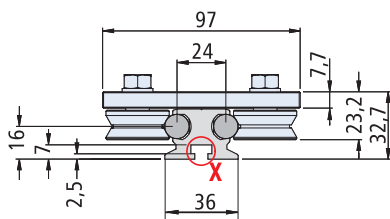


Dimensioned drawings

LFS-12-10 with slide WS 8



LFS-12-10 with Carriage LW 4



LFS-12-10 with dual track set

