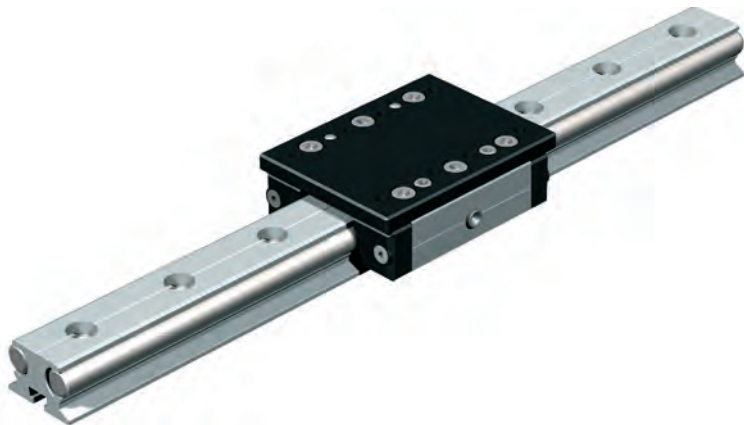


Linear guide rail

LFS-12-10



Features

- W 36 x H 24.5 mm
- 2 precision steel shafts Ø 12
- Anti-twist
- Aluminium shaft housing profile, naturally anodised
- Fixing from below with M6 tapped rail in T-slot insert and from above M6 drillings in the Raster 50 mm
- Conditionally self-supporting
- Special lengths to order
- Weight: approx. 2.9 kg/m

Ordering key

220 001 XXXX

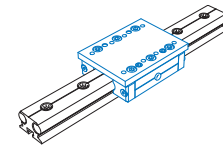
Length in mm (in 100 mm raster)

e.g. 0300 = Length 296

3000 = Length 2996

Profile length = Length overall L - 1 mm

Special lengths over 3000 mm with rod linkage to order.



Slides

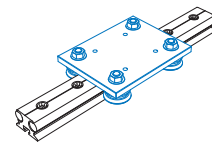
- Ground steel plate
- Lubrication system option
- Adjustable for no play

L 100 x W 75 x H 31.5 mm (WS 8/70)
(weight: approx. 0.7 kg)

Part no.: 223108 0070

L 150 x W 75 x H 31.5 mm (WS 8)
(weight: approx. 1,0 kg)

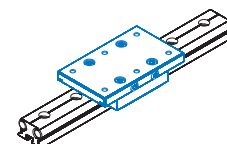
Part no.: 223108



Trolley LW 4

- L 125 x W 97 x 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

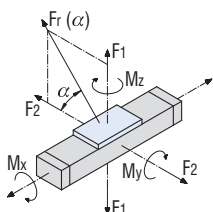
Dual track set 2

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

Part no.: 223002

Load data

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



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

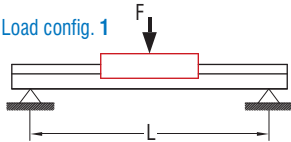
$$Fr(\alpha) = \frac{F_1}{\sin \alpha}$$

Linear guide rail

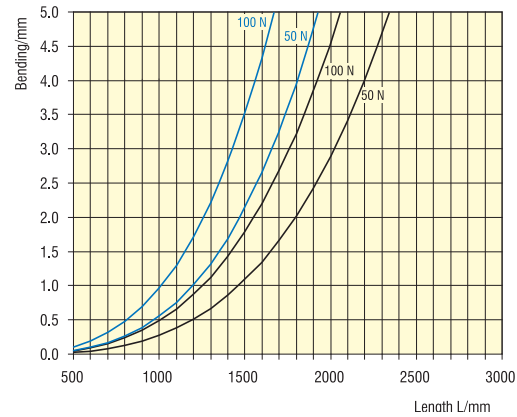
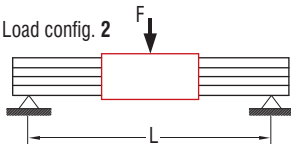
LFS-12-10

Bending

Load config. 1

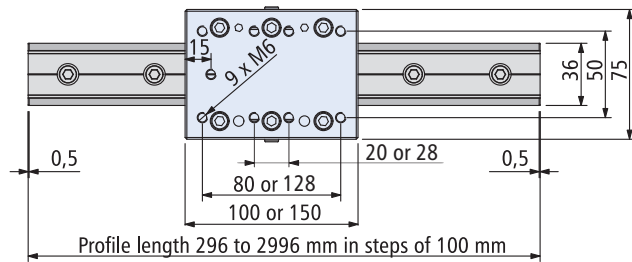
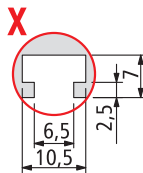
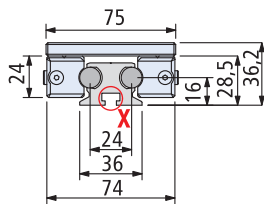


Load config. 2

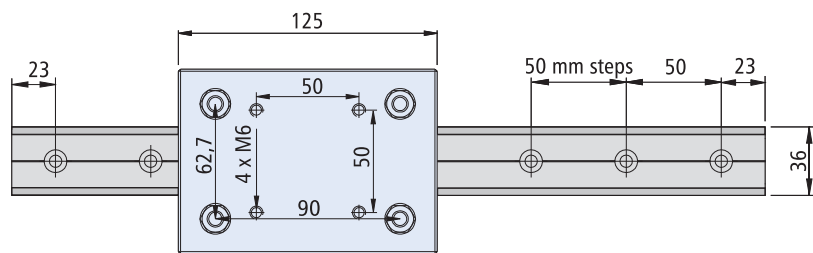
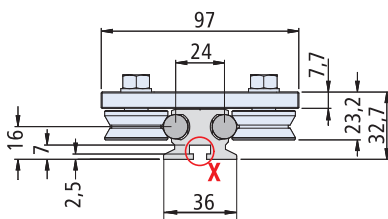


Dimensioned drawings

LFS-12-10 with slides WS 8



LFS-12-10 with trolley LW 4



LFS-12-10 with dual track set

