

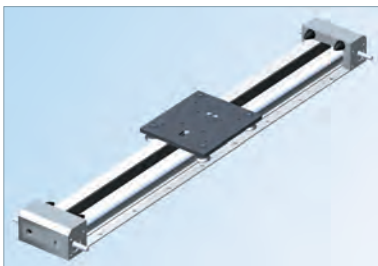
Linear units with toothed belt drive

LEZ 2

Guides and shaft slides also available stainless.



with shaft slides



with roller carriages

Features

- Aluminium profile, with miniature linear guide LFS-8-5
- no-play feed with toothed belt drive - toothed belt with 5 mm interval, Width 25 mm
- Max. feed. 5 m/s
- Shaft slides WS 3, L 176 × W 130 mm
- Feed per turn: 70 mm
- Repeatability less than or equal to ± 0.2 mm
- Limit or reference switch accuracy < 0.1 mm
- available in lengths up to 6,000 mm

Accessories are on page C98.

Options:

- Special lengths in 100 mm raster to order, max. 6,000 mm
- also as direct drive with
 - Multi-phase motor
 - DC servomotor
- Overrun limit switches with connecting cable (only in combination with integrated drive module)

Ordering key

232 002 XXXX ————— Profile lengths (mm)
 696, 996, 1496, 1996,
 2496, 2996
 (e. g. 696 mm = 070
 1496mm = 150)
 Drive/Slides, Roller carriages
 8 = without motor, with shaft slides
 9 = without motor, with roller carriages
 Option: up to 6000 mm

Technical specification

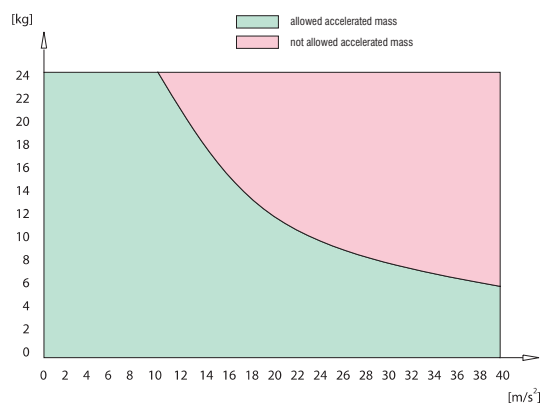
Belt type..... HTD 5M, width 25 mm
 Slide weight..... 0,940 kg
 Weight without drive module..... 1000 mm $\hat{=}$ 7.9 kg
 specific weight of the toothed belt..... 0.09 kg/m
 Roller carriage weight..... 2.03 kg
 specific guide weight..... 0.472 kg/100 mm
 Effective diameter of the synchronous disks..... \varnothing 22.28 mm
 Moment of inertia of the synchronous disks..... $5.58 \cdot 10^{-6}$ kgm²
 Feed per turn..... 70 mm

Linear guide rail LFS-8-5

Moment of inertia I_x 137,48 cm⁴
 Moment of inertia I_y 27,98 cm⁴
 Resistance torque W_x 23,91 cm³
 Resistance torque W_y 13,09 cm³

Load diagram

Permitted accelerated weights relative to the belt strength.*



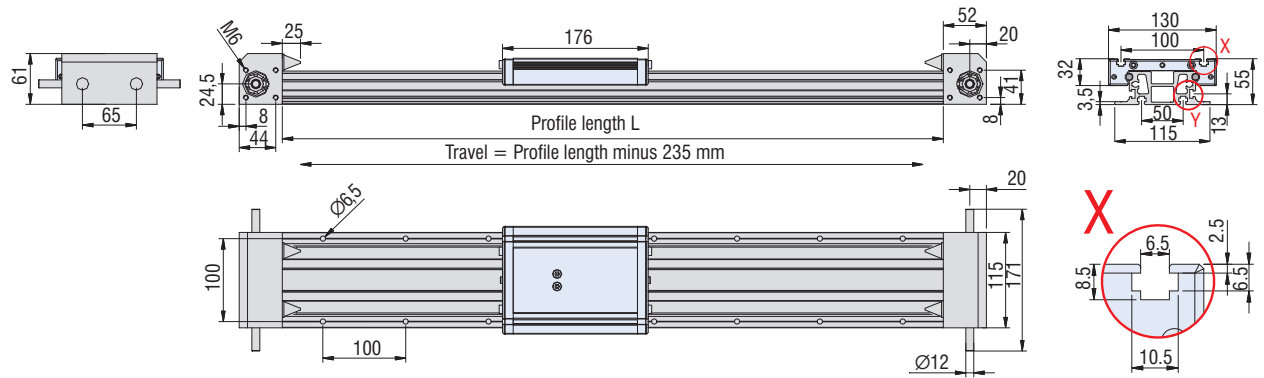
* with vertical construction, the acceleration due to gravity ($g = 9.81 \text{ m/s}^2$) must be taken into account

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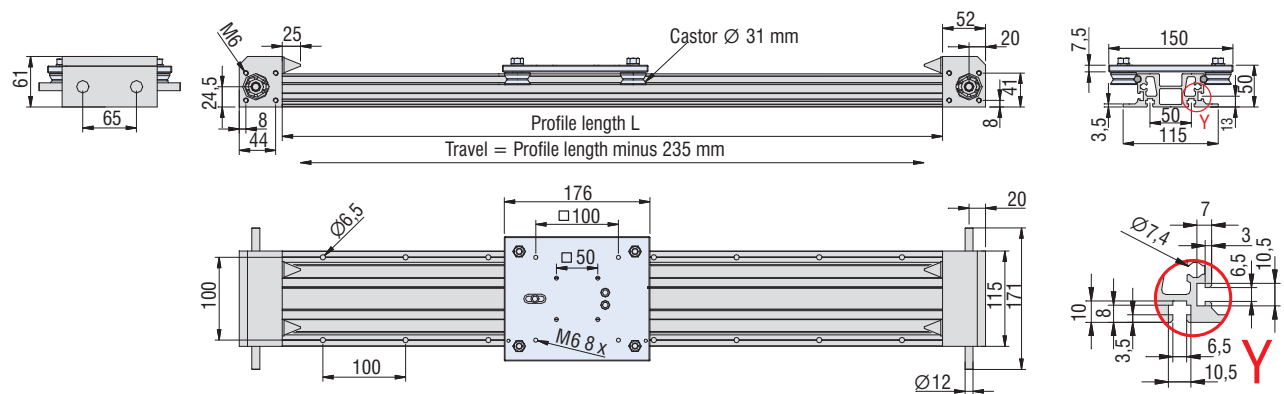
LEZ 2

Dimensioned drawings

without motor, with shaft slides



without motor, with roller carriages



Motor modules (Motor pin assignments are on page C74.)

Drive module with step motor
MS-600 HT (reduction 2:1)
Feed: 35 mm/turn

Part no.: **396086 3060**

Drive module with EC servomotors
(Reduction 2:1)
Feed: 35 mm/turn

Part number	Motor module	Length L
396 415 3260	EC 60S with brake	151.5 mm
396 415 3060	EC 60S without brake	198.5 mm
396 423 3060	EC 60L	186.5 mm
396 444 3070	EC 86S	177.5 mm
396 466 3070	EC 86L	202.5 mm

