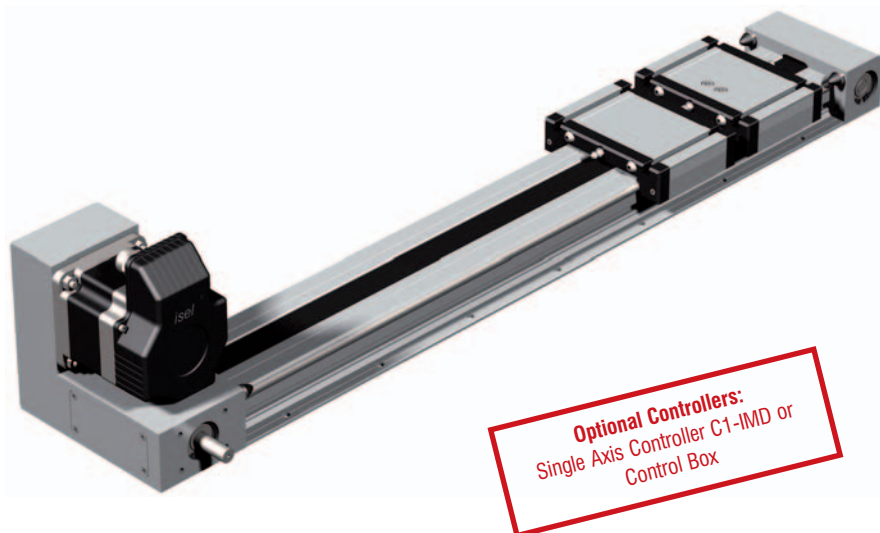


Timing Belt Feed Axis

LEZ 6 (LUT 2)



Features

- Aluminium profile with midjet linear guide LFS-8-5
 - Clearance-free feed with timing belt feed axis
 - timing belt with 5 mm toothing, width 25 mm
 - Feed max. 2 m/s
 - Bearing carriage WS 3
L 96 x W 130 mm
 - Feed per revolution: 70 mm
 - Repeatability less or equal ± 0.2 mm
 - Limit and/or reference switch, accuracy < 0.1 mm
 - Stepping motor
- Options:
- Special lengths in steps of 100 mm upon request, max. 6,000 mm
 - Drive modules attachable on both sides
 - Overtravel limit switch with connection cable (only in combination with drive module)
 - Servo motor

Technical Data

Belt version	HTD 5M, width 25 mm
Weight of slide	0.500 kg
Weight without drive module	1,000 mm $\cong$ 7.9 kg
Nominal mass of timing belt	0.09 kg/m

Nominal weight of guide	0.472 kg/100 mm
Effective diameter of the synchronized pulleys	$\varnothing 22.28$ mm
Moment of inertia of the synchronized pulleys	$5.58 \cdot 10^{-6}$ kgm ²
Feed per revolution	70 mm

Order Data (without drive motor)

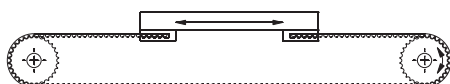
Item no.: 232 011 0050	L = 496 mm
Item no.: 232 011 0100	L = 996 mm
Item no.: 232 011 0150	L = 1496 mm
Item no.: 232 011 0200	L = 1996 mm
Item no.: 232 011 0250	L = 2496 mm
Item no.: 232 011 0300	L = 2996 mm

Idle Torques

Speed [1/min]	Idle torque [Nm]
500	0.16
1,500	0.25
3,000	0.36

Functional principle

Standard - Two pulley drive

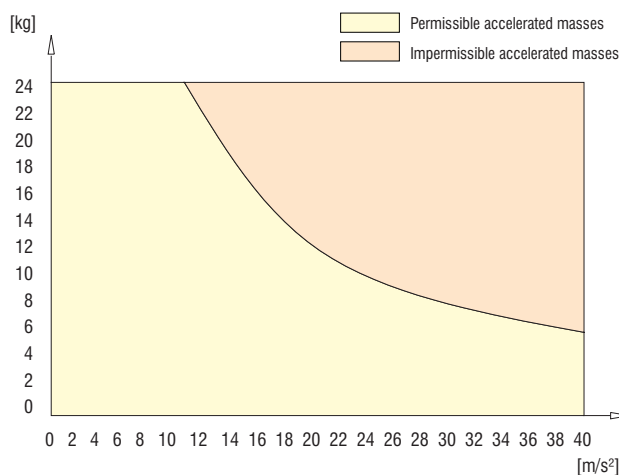


Deflection

Force sketch see Page 37

Load Diagramm

Permissible accelerated masses related to belt strength*



* At vertical assembly, the acceleration due to gravity ($g = 9.81$ m/s²) has to be taken into account

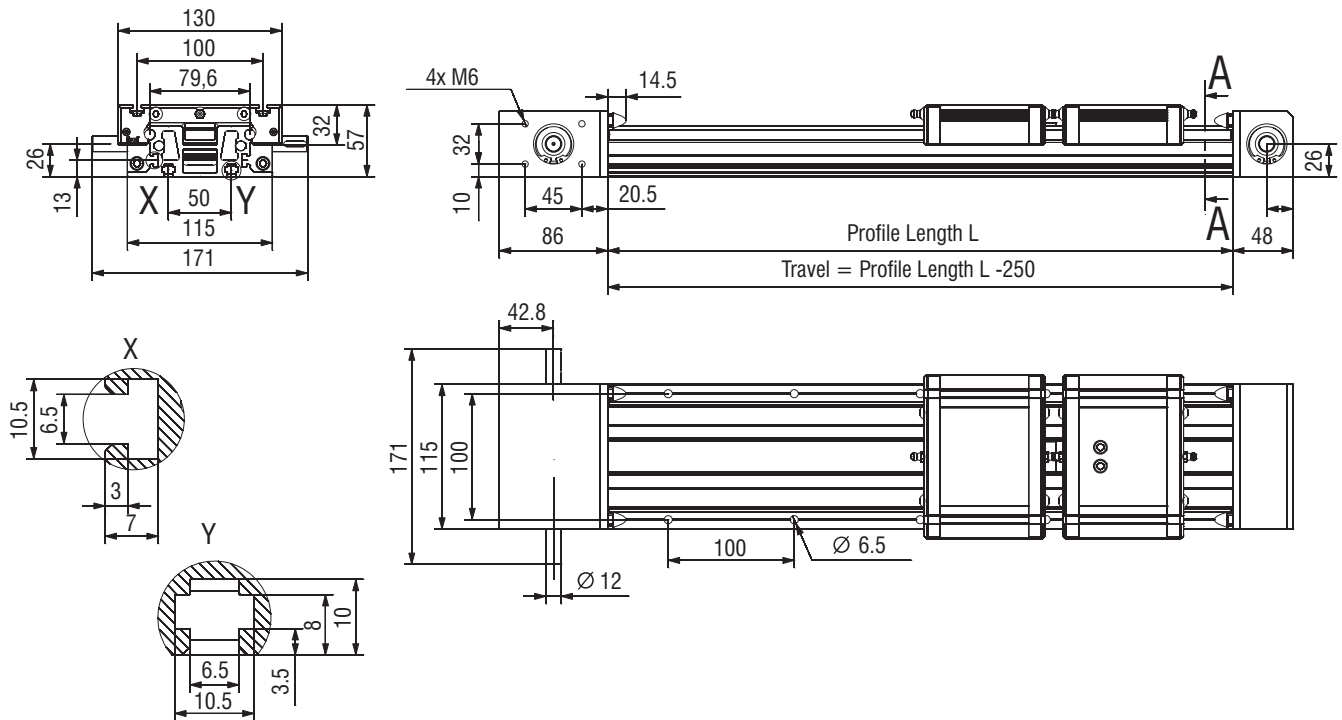
Timing Belt Feed Axis

LEZ 6 (LUT 2)

Timing Belt Feed Axis

Without Motor

With Bearing Carriages



Drive Module

(Reduction 2:1)

Infeed: 35 mm/Revolutions

