

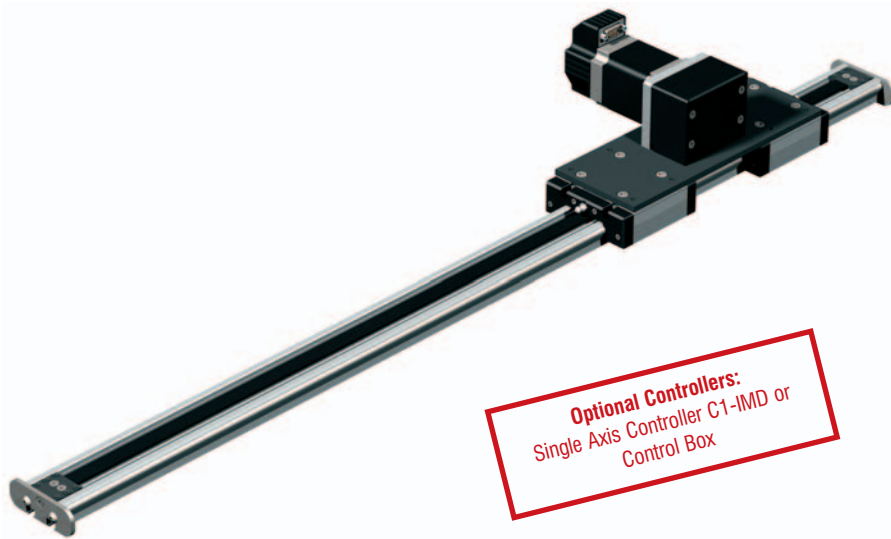
Timing Belt Feed Axis

LEZ 8

(LUT 5)

Features

- Stationärer timing belt
 - Aluminium profile with midjet linear guide LFS-8
 - Clearance-free feed with timing belt feed axis
 - timing belt with 3 mm pitch, width 15 mm
 - Feed 1 m/s, at the most
 - 2 x bearing carriage WS 11 L 96 x W 95 mm
 - Feed per revolution: 48 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
 - Overdrive limit switch with connection cable
 - Servo motor



Technical Data

Belt version	HTD 3M, width 15 mm
Weight of slide (without motor)	2.0 kg
Weight of guide	1.95 kg/m

Specific masses of the timing belt	0.04 kg/m
Feed per revolution	48 mm

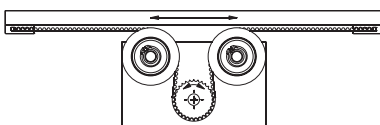
Order Data (without drive motor)

Item no.: **232 009 0040** L = 396 mm
 Item no.: **232 009 0050** L = 496 mm
 Item no.: **232 009 0060** L = 596 mm
 Item no.: **232 009 0070** L = 696 mm

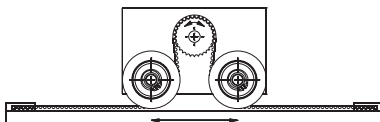
Idle Torques

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

Functional principle



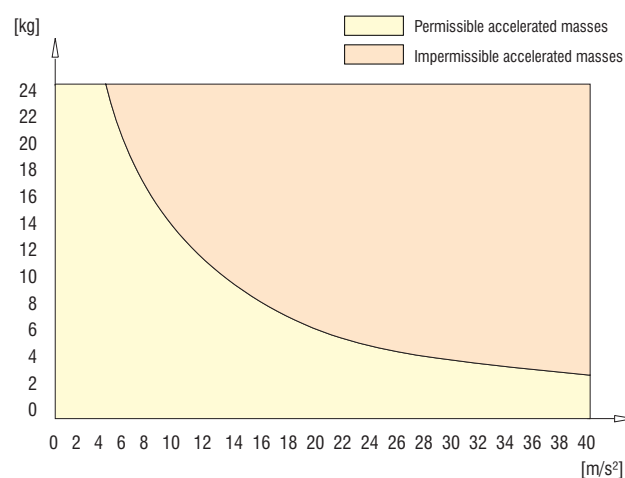
Fixed drive



Travelling drive (for big distances)

Load Diagramm

Permissible accelerated masses related to belt strength*



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

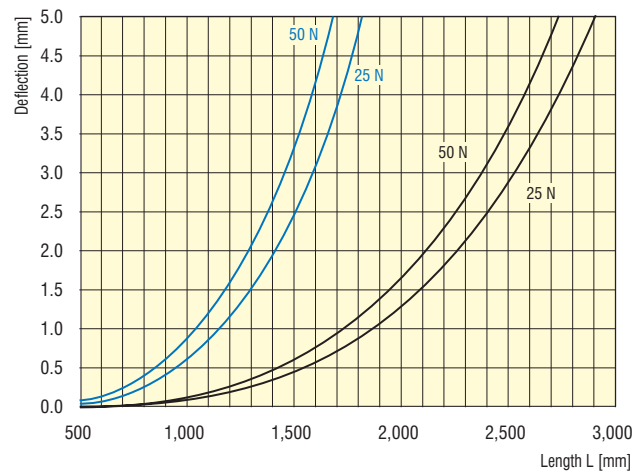
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mechanics

Deflection



Force sketch of the deflection diagrams see Page 37

Scale Drawing

