

# Linear units

## with toothed belt drive



## LEZ 1G Blue Line

### Features

- Aluminium profile with midjet linear guide LFS-8-1
- Clearance-free feed with timing belt feed axis - timing belt with 3 mm pitch, width 15 mm
- Feed 2.4 m/s, at the most
- Shaft slide WS 1 L 126 x W 72 mm
- Repetitive accuracy less or equal  $\pm 0.2$  mm
- Limit and/or reference switch accuracy  $< 0.1$  mm
- Available in lengths up to 2.05 m
- Motor can be mounted on both sides due to an extended shaft end on the driving side
- Numerous combination possibilities due to additional special and angle profiles
- Integrated reference switch

### Ordering key

232 1XX XXXX

#### Motor

- 0 = without motor  
 3 = with step motor MS 200-HT  
 4 = with DC-Servo motor DC 100  
 5 = with EC-Servo motor EC 60-S

#### Driving Side

- 0 = motor connection, right\*  
 1 = motor connection, left\*  
 \* motor flange for drive is mounted on the right resp. left side

#### Slide / Connection

- 0 = with standard slide profile  
 1 = with connecting slides for compound tables  
 2 = with angle slide, right  
 3 = with angle slide, left

#### Basic Profile Length (mm)

- 450, 550, 650, 750, 850, 950,  
 1050, 1150, 1250, 1350, 1450,  
 1550, 1650, 1750, 1850, 1950,  
 2050  
 (e.g. 450 mm = 045  
 2050 mm = 205)

Travel = L -307 mm

### Technical specification

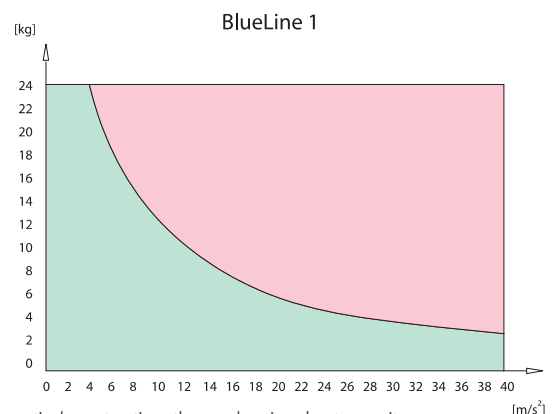
Belt version.....	HTD 3M, width 15 mm
Mass of slide .....	0.730 kg
Weight without drive module .....	1,000 mm $\hat{=}$ 6.25 kg
Nominal mass of timing belt .....	0.0375 kg/m
Nominal weight of feed axis .....	0.440 kg/100 mm
Effective diameter of the synchronized pulleys.....	$\varnothing$ 15.28 mm
Moment of inertia of the synchronized pulleys .....	$1.461 \cdot 10^{-6}$ kgm <sup>2</sup>
Feed per revolution.....	48 mm

#### Basic profile + LFS-8-1

Moment of inertia $I_x$ .....	68.73 cm <sup>4</sup>
Moment of inertia $I_y$ .....	15.92 cm <sup>4</sup>
Moment of resistance $W_x$ .....	17.18 cm <sup>3</sup>
Moment of resistance $W_y$ .....	5.49 cm <sup>3</sup>

### Load Diagramm

Permitted accelerated weights relative to the belt strength.\*



\* with vertical construction, the acceleration due to gravity ( $g = 9.81$  m/s<sup>2</sup>) must be taken into account

