

# Toothed belt axis ELGA-TB-RF-80-

Part number: 1371246

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Effective diameter of drive pinion	39.79 mm
Working stroke	50 mm ... 7000 mm
Size	80
Toothed-belt pitch	5 mm
Mounting position	Any
Guide	Roller bearing guide
Design	Electromechanical linear axis With toothed belt
Type of motor	Servo motor
Symbol	00991212
Functional principle of measuring system	Incremental
Max. acceleration	50 m/s <sup>2</sup>
Max. speed	10 m/s
Repetition accuracy	±0.08 mm
Duty cycle	100%
LABS (PWIS) conformity	VDMA24364 zone III
Suitable for use with food	See supplementary material information
Degree of protection	IP40
Ambient temperature	-30 °C ... 60 °C
Feed constant	125 mm/U
Dynamic deflection (moving load)	0.05% of the axis length, max. 0.5 mm
Static deflection (load in standstill)	0.1% of the axis length
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS compliant
Material cover tape	Stainless steel strip
Material drive cover	Anodised wrought aluminium alloy
Material guide	Steel
Material pulleys	High-alloy stainless steel
Material slide	Anodised wrought aluminium alloy
Material toothed belt clamping piece	Cast stainless steel
Material toothed belt	Polyurethane with steel cord and nylon cover Polyurethane with steel cord Polychloroprene or nitrile rubber (NBR) with glass cord and nylon coating