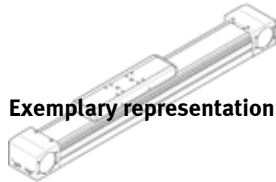


# toothed belt axis ELGA-TB-KF-120- -

Part number: 8024916

FESTO

With recirculating ball bearing guide



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Effective diameter of drive pinion	52.52 mm
Working stroke	50 ... 8,500 mm
Size	120
Stroke reserve	0 mm
Toothed-belt pitch	5 mm
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical linear axis With toothed belt
Motor type	Stepper motor Servomotor
Measuring method: displacement encoder	Incremental
Max. acceleration	50 m/s <sup>2</sup>
Max. speed	5 m/s
Repetition accuracy	±0,08 mm
Duty cycle	100 %
PWIS conformity	VDMA24364 zone III
Protection class	IP40
Ambient temperature	-10 ... 60 °C
Max. force F <sub>y</sub>	5,500 N
Max. force F <sub>z</sub>	6,890 N
Max. torque M <sub>x</sub>	104 Nm
Max. torque M <sub>y</sub>	680 Nm
Max. torque M <sub>z</sub>	680 Nm
Max. feed force F <sub>x</sub>	1,000 ... 1,300 N
Feed constant	165 mm/U
Lubrication interval, distance dependent	1,000 km
Slide weight	4.19 kg
Additional slide weight	3.24 kg
Material of profile	Anodised wrought aluminium alloy
Materials note	Conforms to RoHS
Material cover tape	Stainless steel strip
Material drive cover	Anodised wrought aluminium alloy
Material guide slide	Heat-treatment steel
Material guide rail	Heat-treatment steel corrotec coated
Material pulleys	High alloy steel, non-corrosive
Material slide	Anodised wrought aluminium alloy
Material toothed belt clamping piece	Stainless steel casting
Material toothed belt	polychloroprene with glass cord and nylon coating Polyurethane with steel cord and nylon covering Polyurethane with steel cord