

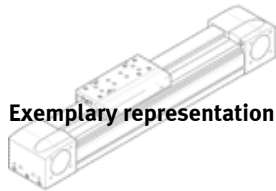
# toothed belt axis EGC-185- -TB-KF

Part number: 556817

★ Core product range

With recirculating ball bearing guide

FESTO



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Effective diameter of drive pinion	73.85 mm
Working stroke	50 ... 8,500 mm
Size	185
Toothed-belt stretch	0.29 %
Toothed-belt pitch	8 mm
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical linear axis With toothed belt
Motor type	Stepper motor Servomotor
Max. acceleration	50 m/s <sup>2</sup>
Max. speed	5 m/s
Repetition accuracy	±0,1 mm
Duty cycle	100 %
PWIS conformity	VDMA24364 zone III
Protection class	IP40
Ambient temperature	-10 ... 60 °C
Area moment of inertia 2nd degree Ix	23,400E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iy	27,400E+03 mm <sup>4</sup>
Max. force Fy	15,200 N
Max. force Fz	15,200 N
Max. idling displacement resistance	70 N
Max. torque Mx	529 Nm
Max. feed force Fx	2,500 N
Torsional mass moment of inertia It	14,100E+03 mm <sup>4</sup>
Mass moment of inertia JH per metre of stroke	7.6 kgcm <sup>2</sup>
Mass moment of inertia JL per kg of working load	13.694 kgcm <sup>2</sup>
Feed constant	232 mm/U
Pneumatic port on clamping unit	M5
Material of end caps	Anodised wrought aluminium alloy
Material of profile	Anodised wrought aluminium alloy
Materials note	Conforms to RoHS
Material drive cover	Anodised wrought aluminium alloy
Material guide slide	Steel
Material guide rail	Steel
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