

Toothed belt axis ELGA-TB-KF-70- -

Part number: 8024914

FESTO



Data sheet

Feature	Value
Effective diameter of drive pinion	28.65 mm
Working stroke	50 mm...5000 mm
Size	70
Stroke reserve	0 mm
Toothed-belt pitch	3 mm
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis With toothed belt
Type of motor	Stepper motor Servo motor
Functional principle of measuring system	Incremental
Max. acceleration	50 m/s ²
Max. speed	5 m/s
Repetition accuracy	±0.08 mm
Duty cycle	100%
LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection	IP40
Ambient temperature	-10 °C...60 °C
Max. force F _y	1500 N
Max. force F _z	1850 N
Max. moment M _x	16 Nm
Max. moment M _y	132 Nm
Max. moment M _z	132 Nm
Max. feed force F _x	260 N...350 N
Feed constant	90 mm/U
Lubrication interval dependent on operating distance	1000 km
Weight of slide	0,9 kg
Weight of additional slide	0,74 kg
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant
Material cover tape	Stainless steel strip

Feature	Value
Material drive cover	Anodised wrought aluminium alloy
Material guide slide	Stainless steel
Material guide rail	Stainless steel
Material pulleys	High-alloy stainless steel
Material slide	Anodised wrought aluminium alloy
Material toothed belt clamping piece	Stainless steel casting
Material toothed belt	Polychloroprene with glass filament and nylon coating Polyurethane with steel cord and nylon cover Polyurethane with steel cord