

Belt driven linear actuator ELGA-TB-KF-120- -

Part number: 8024916

FESTO



Data sheet

Feature	Value
Drive pinion effective diameter	52.52 mm
Working stroke	50 mm...8500 mm
Size	120
Stroke reserve	0 mm
Toothed belt pitch	5 mm
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electromechanical linear axis with toothed belt
Motor type	Stepper motor Servo motor
Measuring principle of linear potentiometer	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	5500 N
Max. force F _z	6890 N
Max. torque M _x	104 Nm
Max. torque M _y	680 Nm
Max. torque M _z	680 Nm
Max. feed force F _x	1000 N...1300 N
Feed constant	165 mm/U
Lubrication interval, distance dependent	1000 km
Slide weight	4,19 kg
Additional slide weight	3,24 kg
Profile material	Wrought aluminum alloy, anodized
Note on materials	RoHS-compliant
Cover strip material	Stainless steel strip

Feature	Value
Drive cover material	Wrought aluminum alloy, anodized
Slide carriage material	Tempered steel
Guide rail material	Tempered steel Corroprotect coated
Belt pulley material	High-alloy stainless steel
Slide material	Wrought aluminum alloy, anodized
Toothed belt clamping component material	Cast stainless steel
Toothed belt material	Polychloroprene with glass cord and nylon coating Polyurethane with steel cord and nylon cover Polyurethane with steel cord