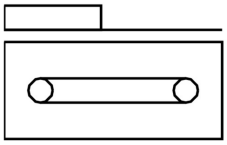
Belt driven linear actuator
EGC-70-1200-TB-KF-0H-GK

Part number: 3012498

FESTO





Data sheet

Feature	Value
Drive pinion effective diameter	24.83 mm
Working stroke	1200 mm
Size	70
Stroke reserve	0 mm
Toothed belt elongation	0.08 %
Toothed belt pitch	3 mm
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electromechanical linear axis with toothed belt
Motor type	Stepper motor Servo motor
Symbol	00991212
Max. acceleration	50 m/s²
Max. speed	5 m/s
Repetition accuracy	±0.08 mm
Duty cycle	100%
Degree of protection	IP40
Ambient temperature	-10 °C ... 60 °C
2nd moment of area Ix	395000 mm⁴
2nd moment of area Iy	577000 mm⁴
Max. force Fy	1850 N
Max. force Fz	1850 N
Max. no-load resistance to shifting	14.5 N
Max. torque Mx	16 Nm
Max. feed force Fx	100 N
Torsion moment of inertia It	240000 mm⁴
Mass moment of inertia JH per meter of stroke	0.11 kgcm²
Mass moment of inertia JL per kg of payload	1.54 kgcm²
Feed constant	78 mm/U
Material of end caps	Wrought aluminum alloy Anodized
Profile material	Wrought aluminum alloy Anodized
Note on materials	Contains paint-wetting impairment substances RoHS-compliant

Feature	Value
Drive cover material	Wrought aluminum alloy Anodized
Slide carriage material	Steel
Guide rail material	Steel
Belt pulley material	High-alloy stainless steel
Slide material	Wrought aluminum alloy Anodized
Toothed belt clamping component material	Nickel-plated
Toothed belt material	Polychloroprene with glass cord and nylon coating