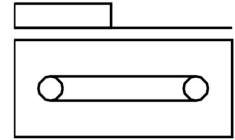


# Belt driven linear actuator EGC-70-1000-TB-KF-0H-GK

Part number: 3012497

FESTO



## Data sheet

Feature	Value
Drive pinion effective diameter	24.83 mm
Working stroke	1000 mm
Size	70
Stroke reserve	0 mm
Toothed belt elongation	0.08 %
Toothed belt pitch	3 mm
Type code	EGC
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/s <sup>2</sup>
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 I <sub>x</sub>	395000 mm <sup>4</sup>
2nd moment of area I <sub>y</sub>	577000 mm <sup>4</sup>
Max. force F <sub>y</sub>	1850 N
Max. force F <sub>z</sub>	1850 N
Max. no-load resistance to shifting	14.5 N
Max. torque M <sub>x</sub>	16 Nm
Max. feed force F <sub>x</sub>	100 N
Torsion moment of inertia I <sub>t</sub>	240000 mm <sup>4</sup>
Mass moment of inertia J <sub>H</sub> per meter of stroke	0.11 kgcm <sup>2</sup>
Mass moment of inertia J <sub>L</sub> per kg of payload	1.54 kgcm <sup>2</sup>
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

<b>Feature</b>	<b>Value</b>
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