

# Belt driven linear actuator EGC-120-1500-TB-KF-0H-GK

Part number: 3013370

FESTO



## Data sheet

Feature	Value
Drive pinion effective diameter	39.79 mm
Working stroke	1500 mm
Size	120
Stroke reserve	0 mm
Toothed belt elongation	0.13 %
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
Max. acceleration	50 m/s <sup>2</sup>
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
2nd moment of area Ix	4620000 mm <sup>4</sup>
2nd moment of area Iy	5650000 mm <sup>4</sup>
Max. force Fy	6890 N
Max. force Fz	6890 N
Max. no-load resistance to shifting	70 N
Max. torque Mx	144 Nm
Max. feed force Fx	800 N
Torsion moment of inertia It	2680000 mm <sup>4</sup>
Mass moment of inertia JH per meter of stroke	0.93 kgcm <sup>2</sup>
Mass moment of inertia JL per kg of payload	3.96 kgcm <sup>2</sup>
Feed constant	125 mm/U
Material of end caps	Wrought aluminum alloy Anodized

<b>Feature</b>	<b>Value</b>
Profile material	Wrought aluminum alloy Anodized
Note on materials	RoHS-compliant
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	Cast stainless steel
Toothed belt material	Polychloroprene with glass cord and nylon coating