

Toothed belt axis EGC-120-1500-TB-KF-0H-GK

Part number: 3013370

FESTO



Data sheet

Feature	Value
Effective diameter of drive pinion	39.79 mm
Working stroke	1500 mm
Size	120
Stroke reserve	0 mm
Toothed-belt stretch	0.13 %
Toothed-belt pitch	5 mm
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis With toothed belt
Type of motor	Stepper motor Servo motor
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
2nd moment of area I _x	4620000 mm ⁴
2nd moment of area I _y	5650000 mm ⁴
Max. force F _y	6890 N
Max. force F _z	6890 N
Max. idle running transfer resistance	70 N
Max. moment M _x	144 Nm
Max. feed force F _x	800 N
Torsional mass moment of inertia I _t	2680000 mm ⁴
Mass moment of inertia J _H per metre of stroke	0.93 kgcm ²
Mass moment of inertia J _L per kg of working load	3.96 kgcm ²
Feed constant	125 mm/U
Material end cap	Wrought aluminium alloy Anodised

Feature	Value
Material profile	Wrought aluminium alloy Anodised
Note on materials	RoHS-compliant
Material drive cover	Wrought aluminium alloy Anodised
Material guide slide	Steel
Material guide rail	Steel
Material pulleys	High-alloy stainless steel
Material slide	Wrought aluminium alloy Anodised
Material toothed belt clamping piece	Stainless steel casting
Material toothed belt	Polychloroprene with glass filament and nylon coating