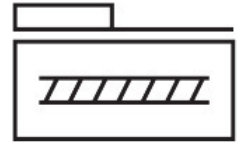


Ball screw axis
EGC-70-600-BS-10P-KF-0H-ML-GK
Part number: 3013393

FESTO



Data sheet

Feature	Value
Working stroke	600 mm
Size	70
Stroke reserve	0 mm
Screw diameter	12 mm
Spindle pitch	10 mm/U
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electromechanical linear axis with ball screw
Motor type	Stepper motor Servo motor
Spindle type	Ball screw
Max. acceleration	15 m/s ²
Max. speed	0.5 m/s
Repetition accuracy	±0.02 mm
Duty cycle	100%
LABS (PWIS) conformity	VDMA24364-B2-L
Degree of protection	IP40
Ambient temperature	-10 °C...60 °C
2nd moment of area I _y	419000 mm ⁴
2nd moment of area I _z	578000 mm ⁴
Max. force F _y	1850 N
Max. force F _z	1850 N
Max. force F _y total axis	1850 N
Max. force F _z total axis	1850 N
F _y with theoretical service life of 100 km (from a guide perspective only)	6815 N
F _z with theoretical service life of 100 km (from a guide perspective only)	6815 N
Max. torque M _x	16 Nm
Max. torque M _y	51 Nm
Max. torque M _z	51 Nm
Max. moment M _x total axis	16 Nm
Max. moment M _y total axis	51 Nm

Feature	Value
Max. moment Mz total axis	51 Nm
Mx with theoretical service life of 100 km (from a guide perspective only)	59 Nm
My with theoretical service life of 100 km (from a guide perspective only)	188 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	188 Nm
Max. radial force on actuator shaft	220 N
Max. feed force Fx	400 N
Torsion moment of inertia It	88000 mm ⁴
Mass moment of inertia JH per meter of stroke	0.142 kgcm ²
Feed constant	10 mm/U
Reference service life	5000 km
Material of end caps	Wrought aluminum alloy Anodized
Moment compensator material	Wrought aluminum alloy Anodized
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
Slide material	Wrought aluminum alloy Anodized
Spindle nut material	Steel
Spindle material	Steel