

# spindle axis

## EGC-70-300-BS-10P-KF-0H-ML-GK

Part number: 3013390

☆ Core product range

With recirculating ball bearing guide

FESTO



## Data sheet

Feature	Value
Working stroke	300 mm
Size	70
Stroke reserve	0 mm
Spindle diameter	12 mm
Spindle pitch	10 mm/U
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical linear axis with recirculating ball bearing spindle
Motor type	Stepper motor Servomotor
Spindle type	Ball screw spindle
Max. acceleration	15 m/s <sup>2</sup>
Max. speed	0.5 ... 0.75 m/s
Repetition accuracy	±0,02 mm
Duty cycle	100 %
Protection class	IP40
Ambient temperature	-10 ... 60 °C
Area moment of inertia 2nd degree Ix	419E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iy	578E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iz	419E+03 mm <sup>4</sup>
Max. force Fy	1,850 N
Max. force Fz	1,850 N
Max. torque Mx	16 Nm
Max. radial force at drive shaft	220 N
Max. feed force Fx	400 N
Torsional mass moment of inertia It	88E+03 mm <sup>4</sup>
Mass moment of inertia JH per metre of stroke	0.142 kgcm <sup>2</sup>
Feed constant	10 mm/U
Material of end caps	Wrought Aluminium alloy Anodised
Material of moment compensator	Wrought Aluminium alloy Anodised
Material of profile	Wrought Aluminium alloy Anodised
Materials note	Conforms to RoHS
Material drive cover	Wrought Aluminium alloy Anodised
Material guide slide	Steel
Material guide rail	Steel
Material slide	Wrought Aluminium alloy Anodised
Material spindle nut	Steel
Material spindle	Steel