

# Spindle axis

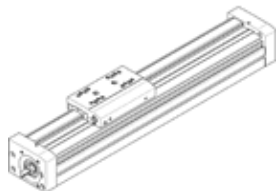
## EGC-80-500-BS-20P-KF-0H-ML-GK

Part number: 3013543

★ Core product range

With recirculating ball bearing guide

FESTO



## Data sheet

Feature	Value
Working stroke	500 mm
Size	80
Stroke reserve	0 mm
Spindle diameter	15 mm
Spindle pitch	20 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 actuator
Max. acceleration	15 m/s <sup>2</sup>
Max. speed	1 ... 1.5 m/s
Repetition accuracy	±0,02 mm
Duty cycle	100 %
PWIS conformity	VDMA24364-B2-L
Protection class	IP40
Ambient temperature	-10 ... 60 °C
Area moment of inertia 2nd degree Ix	981E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iy	1,320E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iz	981E+03 mm <sup>4</sup>
Max. force Fy	3,050 N
Max. force Fz	3,050 N
Max. torque Mx	36 Nm
Max. radial force at drive shaft	250 N
Max. feed force Fx	650 N
Torsional mass moment of inertia It	255E+03 mm <sup>4</sup>
Mass moment of inertia JH per meter of stroke	0.346 kgcm <sup>2</sup>
Feed constant	20 mm/U
Material of end caps	Wrought Aluminum alloy Anodized
Material of moment compensator	Wrought Aluminum alloy Anodized
Material of profile	Wrought Aluminum alloy Anodized
Materials note	Conforms to RoHS
Material drive cover	Wrought Aluminum alloy Anodized
Material guide slide	Steel
Material guide rail	Steel
Material slide	Wrought Aluminum alloy Anodized
Material spindle nut	Steel
Material spindle	Steel