

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

Part number: 3013543

FESTO



## Data sheet

Feature	Value
Working stroke	500 mm
Size	80
Stroke reserve	0 mm
Spindle diameter	15 mm
Spindle pitch	20 mm/U
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis With ball screw
Type of motor	Stepper motor Servo motor
Spindle type	Ball screw
Max. acceleration	15 m/s <sup>2</sup>
Max. speed	1 m/s...1.5 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 Ix	981000 mm <sup>4</sup>
2nd moment of area Iy	1320000 mm <sup>4</sup>
2nd moment of area Iz	981000 mm <sup>4</sup>
Max. force Fy	3050 N
Max. force Fz	3050 N
Max. moment Mx	36 Nm
Max. radial force at drive shaft	250 N
Max. feed force Fx	650 N
Torsional mass moment of inertia It	255000 mm <sup>4</sup>
Mass moment of inertia JH per metre of stroke	0.346 kgcm <sup>2</sup>
Feed constant	20 mm/U
Material end cap	Wrought aluminium alloy Anodised

<b>Feature</b>	<b>Value</b>
Material driver	Wrought aluminium alloy Anodised
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 slide	Wrought aluminium alloy Anodised
Material spindle nut	Steel
Material spindle	Steel