

Ball screw linear actuator EGC-80-500-BS-20P-KF-0H-ML-GK

FESTO

Part number: 3013543



Data sheet

Feature	Value
Working stroke	500 mm
Size	80
Stroke reserve	0 mm
Screw diameter	15 mm
Spindle pitch	20 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	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 ⁴
2nd moment of area Iy	1320000 mm ⁴
2nd moment of area Iz	981000 mm ⁴
Max. force Fy	3050 N
Max. force Fz	3050 N
Max. torque Mx	36 Nm
Max. radial force on actuator shaft	250 N
Max. feed force Fx	650 N
Torsion moment of inertia It	255000 mm ⁴
Mass moment of inertia JH per meter of stroke	0.346 kgcm ²
Feed constant	20 mm/U
Material of end caps	Wrought aluminum alloy Anodized

Feature	Value
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