

# Electric cylinder EGSK-33-500-10P

Part number: 562782

FESTO



## Data sheet

Feature	Value
Working stroke	500 mm
Size	33
Reversing backlash	≤20 μm
Screw diameter	10 mm
Spindle pitch	10 mm/U
Type code	EGSK
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electromechanical linear axis with ball screw drive
Homing	Reference switch
Spindle type	Ball screw drive
Symbol	00991211
Max. acceleration	20 m/s <sup>2</sup>
Max. speed	0.79 m/s
Repetition accuracy	±0.01 mm
Corrosion resistance class (CRC)	0 - No corrosion stress
Degree of protection	IP10
Ambient temperature	0 °C ... 40 °C
Fixed bearing dynamic basic load rating	1790 N
Linear guide dynamic basic load rating	9207 N
Dynamic basic load rating, ball screw drive	1760 N
2nd moment of area Iy	62000 mm <sup>4</sup>
2nd moment of area Iz	380000 mm <sup>4</sup>
Max. driving torque	0.24 Nm
Max. force Fy	2083 N
Max. force Fz	2083 N
Max. torque Mx	42.2 Nm
Max. torque My	13.8 Nm
Max. torque Mz	13.8 Nm
Max. feed force Fx	148 N
No-load driving torque	0.07 Nm
Ball screw drive statistical basic load rating	2840 N
Linear guide statistical basic load rating	20200 N
Mass moment of inertia JH per meter of stroke	0.0771 kgcm <sup>2</sup>
Mass moment of inertia JO	0.0166 kgcm <sup>2</sup>

<b>Feature</b>	<b>Value</b>
Feed constant	10 mm/U
Statistical fixed bearing load rating	2590 N
Reference value, running performance	5000 km
Moving mass	310 g
Slide weight	310 g
Additional slide weight	310 g
Additional weight per 10 mm stroke	63 g
Basic weight with 0 mm stroke	1380 g
Product weight	4530 g
Type of mounting	With internal thread and dowel pin
Material of end caps	Die-cast aluminum Coated
Profile material	Coated High-alloy steel
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Drive cover material	Die-cast aluminum Coated
Slide material	Steel
Spindle nut material	Steel
Spindle material	Steel