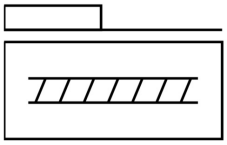
Electric cylinder
EGSK-33-500-6P

Part number: 562776

FESTO





Data sheet

Feature	Value
Working stroke	500 mm
Size	33
Reversing backlash	≤20 µm
Screw diameter	10 mm
Spindle pitch	6 mm/U
Type code	EGSK
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis with ball screw drive
Homing	Reference switch
Spindle type	Ball screw drive
Symbol	00991211
Max. acceleration	20 m/s²
Max. speed	0.47 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	2840 N
2nd moment of area Iy	62000 mm⁴
2nd moment of area Iz	380000 mm⁴
Max. driving torque	0.14 Nm
Max. force Fy	2469 N
Max. force Fz	2469 N
Max. torque Mx	50.1 Nm
Max. torque My	16.4 Nm
Max. torque Mz	16.4 Nm
Max. feed force Fx	150 N
No-load driving torque	0.07 Nm
Ball screw drive statistical basic load rating	4900 N
Linear guide statistical basic load rating	20200 N
Mass moment of inertia JH per meter of stroke	0.0771 kgcm²
Mass moment of inertia JO	0.0115 kgcm²

Feature	Value
Feed constant	6 mm/U
Statistical fixed bearing load rating	2590 N
Reference value, running performance	3000 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