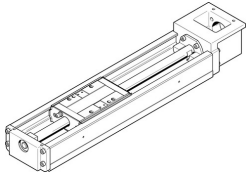


Electric cylinder EGSK-46-500-20P

Part number: 562793

FESTO



Data sheet

Feature	Value
Working stroke	500 mm
Size	46
Reversing backlash	≤20 μm
Screw diameter	15 mm
Spindle pitch	20 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 ²
Max. speed	1.05 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	6600 N
Linear guide dynamic basic load rating	21747 N
Dynamic basic load rating, ball screw drive	3040 N
2nd moment of area Iy	240000 mm ⁴
2nd moment of area Iz	1500000 mm ⁴
Max. driving torque	0.61 Nm
Max. force Fy	3904 N
Max. force Fz	3904 N
Max. torque Mx	115 Nm
Max. torque My	38.7 Nm
Max. torque Mz	38.7 Nm
Max. feed force Fx	192 N
No-load driving torque	0.1 Nm
Ball screw drive statistical basic load rating	7150 N
Linear guide statistical basic load rating	45500 N
Mass moment of inertia JH per meter of stroke	0.39 kgcm ²
Mass moment of inertia JO	0.154 kgcm ²

Feature	Value
Feed constant	20 mm/U
Statistical fixed bearing load rating	3240 N
Reference value, running performance	10000 km
Moving mass	910 g
Slide weight	910 g
Additional slide weight	910 g
Additional weight per 10 mm stroke	127 g
Basic weight with 0 mm stroke	5170 g
Product weight	11520 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