

# electric slide

## EGSK-46-500-10P

Part number: 562787

FESTO

With recirculating ball bearing guide



## Data sheet

Feature	Value
Working stroke	500 mm
Size	46
Reversing backlash	$\leq 20 \mu\text{m}$
Spindle diameter	15 mm
Spindle pitch	10 mm/U
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical linear axis With ball screw
Referencing	Reference switch
Spindle type	Ball screw
Max. acceleration	20 m/s <sup>2</sup>
Max. speed	0.52 m/s
Repetition accuracy	$\pm 0,01 \text{ mm}$
Corrosion resistance classification CRC	0 - No corrosion stress
Protection class	IP10
Ambient temperature	0 ... 40 °C
Fixed bearing dynamic basic load rating	6,600 N
Linear guide dynamic basic load rating	21,747 N
Ball screw drive dynamic basic load rating	3,140 N
Area moment of inertia 2nd degree Iy	240E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iz	1,500E+03 mm <sup>4</sup>
Max. drive torque	0.42 Nm
Max. force Fy	4,919 N
Max. force Fz	4,919 N
Max. torque Mx	145 Nm
Max. torque My	48.7 Nm
Max. torque Mz	48.7 Nm
Max. feed force Fx	264 N
No-load driving torque	0.1 Nm
Ball screw drive statistical basic load rating	6,760 N
Linear guide statistical basic load rating	45,500 N
Mass moment of inertia JH per metre of stroke	0.39 kgcm <sup>2</sup>
Mass moment of inertia, JO	0.0847 kgcm <sup>2</sup>
Feed constant	10 mm/U
Fixed bearing statistical basic load rating	3,240 N
Reference value, running performance	5,000 km
Moving mass	910 g
Slide weight	910 g
Additional slide weight	910 g
Additional weight per 10 mm stroke	127 g
Basic weight for 0 mm stroke	5,170 g
Product weight	11,520 g
Mounting type	With internal thread and dowel pin

Feature	Value
Material of end caps	Aluminium die cast coated
Material of profile	coated High alloy steel
Materials note	Contains PWIS substances Conforms to RoHS
Material drive cover	Aluminium die cast coated
Material slide	Steel
Material spindle nut	Steel
Material spindle	Steel