

# electric slide

## EGSK-46-500-20P

Part number: 562793

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	20 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	1.05 m/s
Repetition accuracy	$\pm 0,01 \text{ mm}$
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
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	3,040 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	0.61 Nm
Max. force Fy	3,904 N
Max. force Fz	3,904 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	7,150 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	0.154 kgcm <sup>2</sup>
Feed constant	20 mm/U
Fixed bearing statistical basic load rating	3,240 N
Reference value, running performance	10,000 km
Moving mass	910 g
Slide weight	910 g
Product weight	11,520 g
Additional slide weight	910 g
Basic weight for 0 mm stroke	5,170 g
Additional weight per 10 mm stroke	127 g

Feature	Value
Mounting type	With internal thread and dowel pin
Material of end caps	Aluminium die cast coated
Material of profile	coated High alloy steel
Materials note	Conforms to RoHS
Material drive cover	Aluminium die cast coated
Material slide	Steel
Material spindle nut	Steel
Material spindle	Steel