

# electric slide

## EGSK-33-500-6P

Part number: 562776

FESTO

With recirculating ball bearing guide



## Data sheet

Feature	Value
Working stroke	500 mm
Size	33
Reversing backlash	$\leq 20 \mu\text{m}$
Spindle diameter	10 mm
Spindle pitch	6 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	0.47 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	1,790 N
Linear guide dynamic basic load rating	9,207 N
Ball screw drive dynamic basic load rating	2,840 N
Area moment of inertia 2nd degree Iy	62E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iz	380E+03 mm <sup>4</sup>
Max. drive torque	0.14 Nm
Max. force Fy	2,469 N
Max. force Fz	2,469 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	4,900 N
Linear guide statistical basic load rating	20,200 N
Mass moment of inertia JH per metre of stroke	0.0771 kgcm <sup>2</sup>
Mass moment of inertia, JO	0.0115 kgcm <sup>2</sup>
Feed constant	6 mm/U
Fixed bearing statistical basic load rating	2,590 N
Reference value, running performance	3,000 km
Moving mass	310 g
Slide weight	310 g
Product weight	4,530 g
Additional slide weight	310 g
Basic weight for 0 mm stroke	1,380 g
Additional weight per 10 mm stroke	63 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