

Electrical slide EGSK-46-500-10P

Part number: 562787

FESTO



Data sheet

Feature	Value
Working stroke	500 mm
Size	46
Reversing backlash theoretical	20 µm
Spindle diameter	15 mm
Spindle pitch	10 mm/U
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis With ball screw drive
Referencing	Reference switch
Spindle type	Ball screw drive
Max. acceleration	20 m/s ²
Max. speed	0.52 m/s
Repetition accuracy	±0.01 mm
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection	IP10
Ambient temperature	0 °C...40 °C
Dynamic basic load rating fixed bearing	6600 N
Dynamic basic load rating linear guide	21747 N
Dynamic basic load rating ball screw	3140 N
2nd moment of area Iy	240000 mm ⁴
2nd moment of area Iz	1500000 mm ⁴
Max. drive torque	0.42 Nm
Max. force Fy	4919 N
Max. force Fz	4919 N
Max. moment Mx	145 Nm
Max. moment My	48.7 Nm
Max. moment Mz	48.7 Nm
Max. feed force Fx	264 N
Frictional torque independent of load	0.1 Nm
Static basic load rating ball screw	6760 N

Feature	Value
Static basic load rating linear guide	45500 N
Mass moment of inertia JH per metre of stroke	0.39 kgcm ²
Mass moment of inertia JO	0.0847 kgcm ²
Feed constant	10 mm/U
Static basic load rating fixed bearing	3240 N
Reference service life	5000 km
Moving mass	910 g
Weight of slide	910 g
Product weight	11520 g
Weight of additional slide	910 g
Basic weight for 0 mm stroke	5170 g
Additional weight per 10 mm stroke	127 g
Type of mounting	Via female thread and dowel pin
Material end cap	Die-cast aluminium Coated
Material profile	Coated High-alloy steel
Note on materials	RoHS-compliant
Material drive cover	Die-cast aluminium Coated
Material slide	Steel
Material spindle nut	Steel
Material spindle	Steel