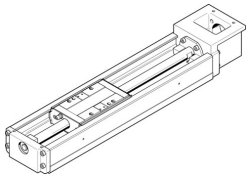
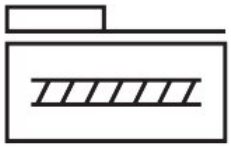
Electric linear slide
EGSK-46-500-10P

Part number: 562787





Data sheet

Feature	Value
Working stroke	500 mm
Size	46
Reversing backlash	20 µm
Screw diameter	15 mm
Spindle pitch	10 mm/U
Mounting position	Any
Guide	Recirculating ball bearing
Structural design	Electromechanical linear axis With ball screw
Homing	Reference switch
Spindle type	Ball screw
Max. acceleration	20 m/s²
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
Fixed bearing dynamic basic load rating	6600 N
Linear guide dynamic basic load rating	21747 N
Dynamic basic load rating, ball screw drive	3140 N
2nd moment of area Iy	240000 mm⁴
2nd moment of area Iz	1500000 mm⁴
Max. driving torque	0.42 Nm
Max. force Fy	4919 N
Max. force Fz	4919 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	6760 N

Feature	Value
Linear guide statistical basic load rating	45500 N
Mass moment of inertia JH per meter of stroke	0.39 kgcm²
Mass moment of inertia JO	0.0847 kgcm²
Feed constant	10 mm/U
Statistical fixed bearing load rating	3240 N
Reference service life	5000 km
Moving mass	910 g
Slide weight	910 g
Additional slide weight	910 g
Product weight	11520 g
Basic weight with 0 mm stroke	5170 g
Additional weight per 10 mm stroke	127 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	RoHS compliant
Drive cover material	Die-cast aluminum Coated
Slide material	Steel
Ball screw nut material	Steel
Spindle material	Steel