

electric slide

EGSK-20-125-1P

Part number: 562760

FESTO

With recirculating ball bearing guide



Data sheet

Feature	Value
Working stroke	125 mm
Size	20
Reversing backlash	$\leq 20 \mu\text{m}$
Spindle diameter	6 mm
Spindle pitch	1 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	10 m/s ²
Max. speed	0.19 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	1,000 N
Linear guide dynamic basic load rating	2,849 N
Ball screw drive dynamic basic load rating	660 N
Area moment of inertia 2nd degree Iy	6.1E+03 mm ⁴
Area moment of inertia 2nd degree Iz	62E+03 mm ⁴
Max. drive torque	0.011 Nm
Max. force Fy	1,389 N
Max. force Fz	1,389 N
Max. torque Mx	18.1 Nm
Max. torque My	5.8 Nm
Max. torque Mz	5.8 Nm
Max. feed force Fx	69 N
No-load driving torque	0.005 Nm
Ball screw drive statistical basic load rating	1,170 N
Linear guide statistical basic load rating	6,300 N
Mass moment of inertia JH per metre of stroke	0.01 kgcm ²
Mass moment of inertia, JO	0.00087 kgcm ²
Feed constant	1 mm/U
Fixed bearing statistical basic load rating	1,240 N
Reference value, running performance	500 km
Moving mass	64 g
Slide weight	64 g
Product weight	718 g
Additional slide weight	64 g
Basic weight for 0 mm stroke	380 g
Additional weight per 10 mm stroke	27 g

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