

Electric linear slide EGSK-46-300-20P

Part number: 562791

FESTO



 General operating condition

Data sheet

Feature	Value
Working stroke	300 mm
Size	46
Reversing backlash	≤20 µm
Screw diameter	15 mm
Spindle pitch	20 mm/U
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	with ball screw drive
Homing	Reference switch
Spindle type	Ball screw drive
Symbol	00991211
Max. acceleration	20 m/s ²
Max. speed	1.05 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	3040 N
2nd moment of area I _y	240000 mm ⁴
2nd moment of area I _z	1500000 mm ⁴
Max. driving torque	0.61 Nm
Max. force F _y	3904 N
Max. force F _z	3904 N
Max. torque M _x	115 Nm
Max. torque M _y	38.7 Nm
Max. torque M _z	38.7 Nm
Max. feed force F _x	192 N
No-load driving torque	0.1 Nm
Ball screw drive statistical basic load rating	7150 N
Linear guide statistical basic load rating	45500 N
Mass moment of inertia J _H per meter of stroke	0.39 kgcm ²
Mass moment of inertia J _O	0.154 kgcm ²

Feature	Value
Feed constant	20 mm/U
Statistical fixed bearing load rating	3240 N
Reference service life	10000 km
Moving mass	910 g
Slide weight	910 g
Product weight	8980 g
Additional slide weight	910 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
Spindle nut material	Steel
Spindle material	Steel