

# mini slide

## EGSC-BS-KF-45-100-10P

Part number: 4022926

FESTO



### Data sheet

Feature	Value
Working stroke	100 mm
Size	45
Stroke reserve	0 mm
Reversing backlash	150 µm
Spindle diameter	10 mm
Spindle pitch	10 mm/U
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electric mini slide With ball screw
Motor type	Stepper motor Servomotor
Referencing	Fixed stop block positive Fixed stop block negative Reference switch
Spindle type	Ball screw
Position detection	For proximity sensor
Max. acceleration	15 m/s <sup>2</sup>
Max. speed	0.6 m/s
Repetition accuracy	±0,015 mm
Duty cycle	100 %
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 9
Sound pressure level	50 dB(A)
Protection class	IP40
Ambient temperature	0 ... 50 °C
Fixed bearing dynamic basic load rating	7,413 N
Linear guide dynamic basic load rating	3,240 N
Ball screw drive dynamic basic load rating	3,200 N
Max. force F <sub>y</sub>	1,314 N
Max. force F <sub>z</sub>	1,314 N
Max. torque M <sub>x</sub>	8.1 Nm
Max. torque M <sub>y</sub>	7 Nm
Max. torque M <sub>z</sub>	7 Nm
Max. radial force at drive shaft	180 N
Max. feed force F <sub>x</sub>	120 N
Reference value for working load, horizontal	12 kg
Reference value for working load, vertical	12 kg
Ball screw drive statistical basic load rating	5,900 N
Linear guide statistical basic load rating	5,630 N
Mass moment of inertia J <sub>H</sub> per metre of stroke	0.13609 kgcm <sup>2</sup>
Mass moment of inertia J <sub>L</sub> per kg of working load	0.02533 kgcm <sup>2</sup>
Mass moment of inertia, J <sub>O</sub>	0.01363 kgcm <sup>2</sup>
Feed constant	10 mm/U

Feature	Value
Fixed bearing statistical basic load rating	3,966 N
Reference value, running performance	5,000 km
Maintenance interval	Life-time lubrication
Moving mass with 0 mm stroke	212 g
Additional mass factor per 10 mm of stroke	30 g
Product weight	1,237 g
Basic weight for 0 mm stroke	608 g
Additional weight per 10 mm stroke	63 g
Mounting type	with internal (female) thread with centring sleeve with accessories With cylindrical dowel pin
Interface code, actuator	V32
Materials note	Conforms to RoHS
Material guide slide	Roller bearing steel
Material guide rail	Roller bearing steel
Material housing	Anodised wrought aluminium alloy
Material yoke plate	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive
Material slide	Anodised wrought aluminium alloy
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel