

# Mini slide EGSL-BS-45-100-10P

Part number: 559335

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Working stroke	100 mm
Size	45
Run. parallelism along Z-axis	0.04 mm
Parallelism	0.05 mm
Reversing backlash	≤50 μm
Screw diameter	10 mm
Spindle pitch	10 mm/U
Mounting position	Any
Guide	Ball bearing cage guide
Structural design	with ball screw drive
Motor type	Stepper motor Servo motor
Spindle type	Ball screw drive
Symbol	00992069
Position sensing	For proximity sensor
Max. acceleration	25 m/s <sup>2</sup>
Max. speed	1 m/s
Repetition accuracy	±0.015 mm
Duty cycle	100%
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Noise level	60 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C ... 60 °C
Continuous feed force	100 N
Max. driving torque	0.415 Nm
Max. force F <sub>y</sub>	631 N
Max. force F <sub>z</sub>	631 N
Max. torque M <sub>x</sub>	18.6 Nm
Max. torque M <sub>y</sub>	16.3 Nm
Max. torque M <sub>z</sub>	16.3 Nm
Max. radial force on actuator shaft	120 N
Max. feed force F <sub>x</sub>	150 N
No-load driving torque	0.08 Nm
Guide value for payload, horizontal	6 kg
Guide value for payload, vertical	6 kg

<b>Feature</b>	<b>Value</b>
Mass moment of inertia JL per kg of payload	0.0253 kgcm <sup>2</sup>
Mass moment of inertia JO	0.0614 kgcm <sup>2</sup>
Feed constant	10 mm/U
Maintenance interval	Life-time lubrication
Moving mass	670 g
Product weight	1570 g
Type of mounting	With internal thread With centering sleeve With accessories
Note on materials	RoHS-compliant
Cover material	Cast aluminum Painted
Guide rail material	Roller bearing steel
Housing material	Anodized
Material of yoke plate	Wrought aluminum alloy Anodized
Ball screw nut material	Roller bearing steel
Spindle material	Roller bearing steel