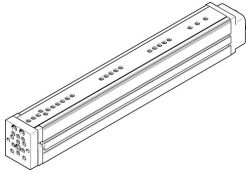


# Mini slide EGSL-BS-55-250-12.7P

Part number: 559339

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Working stroke	250 mm
Size	55
Run. parallelism along Z-axis	0.1 mm
Parallelism	0.125 mm
Reversing backlash	≤50 μm
Screw diameter	12.7 mm
Spindle pitch	12.7 mm/U
Mounting position	Any
Guide	Ball bearing cage guide
Structural design	Electrical mini-slide Guide 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	65 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C ... 60 °C
Continuous feed force	200 N
Max. driving torque	1.017 Nm
Max. force F <sub>y</sub>	563 N
Max. force F <sub>z</sub>	563 N
Max. torque M <sub>x</sub>	27 Nm
Max. torque M <sub>y</sub>	33 Nm
Max. torque M <sub>z</sub>	33 Nm
Max. radial force on actuator shaft	260 N
Max. feed force F <sub>x</sub>	300 N
No-load driving torque	0.13 Nm

Feature	Value
Guide value for payload, horizontal	10 kg
Guide value for payload, vertical	10 kg
Mass moment of inertia JL per kg of payload	0.041 kgcm <sup>2</sup>
Mass moment of inertia JO	0.2327 kgcm <sup>2</sup>
Feed constant	12.7 mm/U
Maintenance interval	Life-time lubrication
Moving mass	1740 g
Product weight	4050 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	Wrought aluminum alloy Anodized
Material of yoke plate	Wrought aluminum alloy Anodized
Spindle nut material	Roller bearing steel
Spindle material	Roller bearing steel