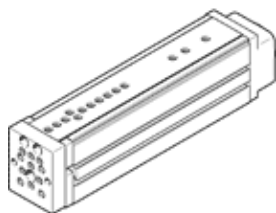


# mini slide

## EGSL-BS-55-100-12.7P

Part number: 559337

FESTO



### Data sheet

Feature	Value
Working stroke	100 mm
Size	55
Parallel running in the z-direction	0.04 mm
Parallelism	0.05 mm
Reversing backlash	$\leq 50 \mu\text{m}$
Spindle diameter	12.7 mm
Spindle pitch	12.7 mm/U
Assembly position	Any
Guide	Ball bearing cage guide
Design structure	Electric mini slide Guide With ball screw
Motor type	Stepper motor Servomotor
Spindle type	Ball screw
Position detection	For proximity sensor
Max. acceleration	25 m/s <sup>2</sup>
Max. speed	1 m/s
Repetition accuracy	$\pm 0,015 \text{ mm}$
Duty cycle	100 %
Corrosion resistance classification CRC	0 - No corrosion stress
Sound pressure level	65 dB(A)
Protection class	IP40
Ambient temperature	0 ... 60 °C
Permanent feed force	200 N
Max. drive torque	1.25 Nm
Max. force F <sub>y</sub>	1,047 N
Max. force F <sub>z</sub>	1,047 N
Max. torque M <sub>x</sub>	33.1 Nm
Max. torque M <sub>y</sub>	31 Nm
Max. torque M <sub>z</sub>	31 Nm
Max. radial force at drive shaft	260 N
Max. feed force F <sub>x</sub>	300 N
No-load driving torque	0.13 Nm
Reference value for working load, horizontal	10 kg
Reference value for working load, vertical	10 kg
Mass moment of inertia J <sub>L</sub> per kg of working load	0.0409 kgcm <sup>2</sup>
Mass moment of inertia, J <sub>O</sub>	0.1827 kgcm <sup>2</sup>
Feed constant	12.7 mm/U
Maintenance interval	Life-time lubrication
Moving mass	1,150 g
Product weight	2,550 g
Mounting type	with internal (female) thread with centring sleeve with accessories
Materials note	Contains PWIS substances

Feature	Value
	Conforms to RoHS
Material cover	Aluminium casting Painted
Material guide rail	Roller bearing steel
Material housing	Wrought Aluminium alloy Anodised
Material yoke plate	Wrought Aluminium alloy Anodised
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel