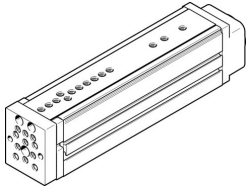


Mini slide EGSL-BS-55-100-12.7P

Part number: 559337

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Working stroke	100 mm
Size	55
Running parallelism along Z-axis	0.04 mm
Parallelism	0.05 mm
Reversing backlash theoretical	≤50 μm
Spindle diameter	12.7 mm
Spindle pitch	12.7 mm/U
Mounting position	Any
Guide	Ball bearing cage guide
Design	With ball screw
Type of motor	Stepper motor Servo motor
Spindle type	Ball screw
Symbol	00992069
Position detection	Via proximity switch
Max. acceleration	25 m/s ²
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
Sound pressure level	65 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C ... 60 °C
Continuous feed force	200 N
Max. drive torque	1.017 Nm
Max. force F _y	1047 N
Max. force F _z	1047 N
Max. moment M _x	33.1 Nm
Max. moment M _y	31 Nm
Max. moment M _z	31 Nm
Max. radial force at drive shaft	260 N
Max. feed force F _x	300 N
Frictional torque independent of load	0.13 Nm
Reference value effective load, horizontal	10 kg
Reference value effective load, vertical	10 kg

Feature	Value
Mass moment of inertia JL per kg of working load	0.0409 kgcm ²
Mass moment of inertia JO	0.1827 kgcm ²
Feed constant	12.7 mm/U
Maintenance interval	Lifetime lubrication
Moving mass	1150 g
Product weight	2550 g
Type of mounting	With female thread With centring sleeve With accessories
Note on materials	RoHS compliant
Material cover	Die-cast aluminium painted
Material guide rail	Bearing steel
Material housing	anodised
Material yoke plate	Wrought aluminium alloy anodised
Material ball screw nut	Bearing steel
Material spindle	Bearing steel