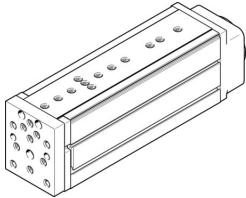


# Mini slide EGSL-BS-75-100-20P

Part number: 559340

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Working stroke	100 mm
Size	75
Running parallelism along Z-axis	0.04 mm
Parallelism	0.05 mm
Reversing backlash theoretical	≤50 μm
Spindle diameter	20 mm
Spindle pitch	20 mm/U
Mounting position	optional
Guide	Ball bearing cage guide
Design	With ball screw drive
Type of motor	Stepper motor Servo motor
Spindle type	Ball screw drive
Symbol	00992069
Position detection	Via proximity switch
Max. acceleration	25 m/s <sup>2</sup>
Max. speed	1.3 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	300 N
Max. drive torque	2.231 Nm
Max. force F <sub>y</sub>	1539 N
Max. force F <sub>z</sub>	1539 N
Max. moment M <sub>x</sub>	67.4 Nm
Max. moment M <sub>y</sub>	47.1 Nm
Max. moment M <sub>z</sub>	47.1 Nm
Max. radial force at drive shaft	300 N
Max. feed force F <sub>x</sub>	450 N
Frictional torque independent of load	0.155 Nm
Reference value effective load, horizontal	14 kg
Reference value effective load, vertical	14 kg

<b>Feature</b>	<b>Value</b>
Mass moment of inertia JL per kg of working load	0.1013 kgcm <sup>2</sup>
Mass moment of inertia JO	1.0512 kgcm <sup>2</sup>
Feed constant	20 mm/U
Maintenance interval	Life-time lubrication
Moving mass	2280 g
Product weight	5100 g
Type of mounting	Via female thread Via centring sleeve With accessories
Note on materials	RoHS-compliant
Material cover	Die-cast aluminium Painted
Material guide rail	Rolled steel
Material housing	Anodised
Material yoke plate	Wrought aluminium alloy Anodised
Material ball screw nut	Rolled steel
Material spindle	Rolled steel