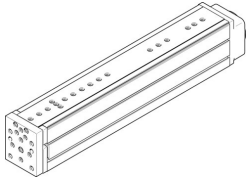


# Mini slide EGSL-BS-75-300-20P

Part number: 559342

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Working stroke	300 mm
Size	75
Run. parallelism along Z-axis	0.12 mm
Parallelism	0.15 mm
Reversing backlash	≤50 μm
Screw diameter	20 mm
Spindle pitch	20 mm/U
Mounting position	Any
Guide	Ball bearing cage guide
Structural design	With ball screw
Motor type	Stepper motor Servo motor
Spindle type	Ball screw
Symbol	00992069
Position sensing	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
Noise level	65 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C ... 60 °C
Continuous feed force	300 N
Max. driving torque	2.231 Nm
Max. force F <sub>y</sub>	555 N
Max. force F <sub>z</sub>	555 N
Max. torque M <sub>x</sub>	46.4 Nm
Max. torque M <sub>y</sub>	36.5 Nm
Max. torque M <sub>z</sub>	36.5 Nm
Max. radial force on actuator shaft	300 N
Max. feed force F <sub>x</sub>	450 N
No-load driving torque	0.155 Nm
Guide value for payload, horizontal	14 kg
Guide value for payload, vertical	14 kg

<b>Feature</b>	<b>Value</b>
Mass moment of inertia JL per kg of payload	0.1013 kgcm <sup>2</sup>
Mass moment of inertia JO	1.3459 kgcm <sup>2</sup>
Feed constant	20 mm/U
Maintenance interval	Lifetime lubrication
Moving mass	3440 g
Product weight	8050 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	Bearing steel
Housing material	Anodized
Material of yoke plate	Wrought aluminum alloy Anodized
Ball screw nut material	Bearing steel
Spindle material	Bearing steel