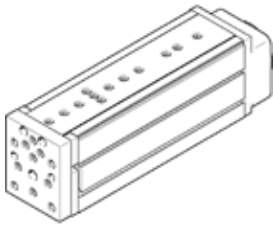


# Mini slide

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

Part number: 559340

FESTO



## Data sheet

Feature	Value
Working stroke	100 mm
Size	75
Parallel running in the z-direction	0.04 mm
Parallelism	0.05 mm
Reversing backlash	$\leq 50 \mu\text{m}$
Spindle diameter	20 mm
Spindle pitch	20 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	1.3 m/s
Repetition accuracy	$\pm 0,015 \text{ mm}$
Duty cycle	100 %
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Sound pressure level	65 dB(A)
Protection class	IP40
Ambient temperature	0 ... 60 °C
Permanent feed force	300 N
Max. drive torque	3.25 Nm
Max. force F <sub>y</sub>	1,539 N
Max. force F <sub>z</sub>	1,539 N
Max. torque M <sub>x</sub>	67.4 Nm
Max. torque M <sub>y</sub>	47.1 Nm
Max. torque M <sub>z</sub>	47.1 Nm
Max. radial force at drive shaft	300 N
Max. feed force F <sub>x</sub>	450 N
No-load driving torque	0.155 Nm
Reference value for working load, horizontal	14 kg
Reference value for working load, vertical	14 kg
Mass moment of inertia J <sub>L</sub> per kg of working load	0.1013 kgcm <sup>2</sup>
Mass moment of inertia, J <sub>O</sub>	1.0512 kgcm <sup>2</sup>
Feed constant	20 mm/U
Maintenance interval	Life-time lubrication
Moving mass	2,280 g
Product weight	5,100 g
Mounting type	with internal (female) thread with centering sleeve with accessories

Feature	Value
Materials note	Conforms to RoHS
Material cover	Aluminum casting Painted
Material guide rail	Roller bearing steel
Material housing	Wrought Aluminum alloy Anodized
Material yoke plate	Wrought Aluminum alloy Anodized
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel