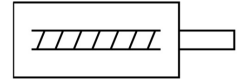


Electric actuator ESBF-BS-100-100-20P

Part number: 574118

FESTO



Data sheet

Feature	Value
Working stroke	100 mm
Size	100
Stroke	100 mm
Piston rod thread	M20x1.5
Reversing backlash	30 µm
Screw diameter	40 mm
Spindle pitch	20 mm/U
Max. angle of rotation of the piston rod +/-	0.5 deg
Type code	ESBF
Based on norm	ISO 15552
Mounting position	Any
Piston rod end	External thread
Motor type	Servo motor
Position sensing	For proximity sensor
Design	Electric actuator with ball screw
Spindle type	Ball screw
Symbol	00991941
Protection against torsion/guide	With plain-bearing guide
Max. acceleration	15 m/s ²
Max. speed	0.65 m/s
Repetition accuracy	±0.01 mm
Duty cycle	100%
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Storage temperature	-20 °C ... 60 °C
Relative air humidity	0 - 95 %
Degree of protection	IP40
Ambient temperature	0 °C ... 60 °C
Max. driving torque	63.7 Nm
Max. radial force on actuator shaft	1100 N
Max. feed force F _x	17000 N
No-load driving torque	0.9 Nm
Mass moment of inertia J _H per meter of stroke	19.31 kgcm ²
Mass moment of inertia J _L per kg of payload	0.10132 kgcm ²
Mass moment of inertia J _O	5.0504 kgcm ²
Moving mass at 0 mm stroke	8786 g

Feature	Value
Additional weight per 10 mm stroke	193 g
Basic weight with 0 mm stroke	11123 g
Additional moving mass per 10 mm stroke	132 g
Type of mounting	With internal thread or accessory
Interface code, actuator	D100
Note on materials	RoHS-compliant Contains paint-wetting impairment substances
Cover material	Coated Cast aluminum
Piston rod material	High-alloy stainless steel
Material of screws	Galvanized Steel
Spindle nut material	Roller bearing steel
Spindle material	Roller bearing steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized