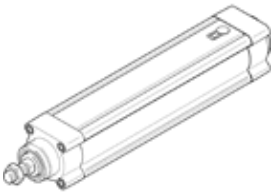
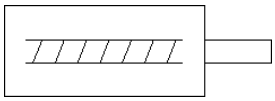
Electro-cylinder
ESBF-BS-63-300-10P

Part number: 574098
☆ Core product range

FESTO





Data sheet

Feature	Value
Working stroke	300 mm
Size	63
Stroke	300 mm
Piston rod thread	M16x1,5
Reversing backlash	30 µm
Spindle diameter	25 mm
Spindle pitch	10 mm/U
Max. angular deflection of piston rod +/-	0.4 deg
Based on the standard	ISO 15552
Assembly position	Any
Piston-rod end	Male thread
Motor type	Servomotor
Position detection	For proximity sensor
Design structure	Electro-cylinder with ball screw
Spindle type	Ball screw actuator
Protection against torque/guide	with plain-bearing guide
Max. acceleration	15 m/s2
Max. speed	0.53 m/s
Repetition accuracy	±0,01 mm
Duty cycle	100%
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Storage temperature	-20 ... 60 °C
Relative air humidity	0 - 95 %
Protection class	IP40
Ambient temperature	0 ... 60 °C
Max. drive torque	13.1 Nm
Max. radial force at drive shaft	700 N
Max. feed force Fx	7,000 N
No-load driving torque	0.45 Nm
Mass moment of inertia JH per meter of stroke	2.8592 kgcm2
Mass moment of inertia JL per kg of working load	0.02533 kgcm2
Mass moment of inertia, JO	0.48631 kgcm2
Moving mass with 0 mm stroke	1,829 g
Additional weight per 10 mm stroke	87 g
Basic weight for 0 mm stroke	3,163 g
Additional mass factor per 10 mm of stroke	52 g
Mounting type	with internal (female) thread or accessories
Interface code, actuator	D60
Materials note	Contains PWIS substances Conforms to RoHS
Material cover	Aluminum casting coated
Material piston rod	High alloy steel, non-corrosive

Feature	Value
Material screws	Steel Galvanized
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel
Material cylinder barrel	Wrought Aluminum alloy Smooth anodized