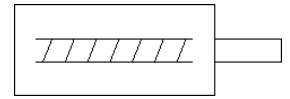
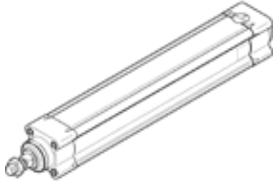


Electro-cylinder ESBF-LS-32-100-2.5P

Part number: 8022570

FESTO



Data sheet

Feature	Value
Working stroke	100 mm
Size	32
Stroke	100 mm
Piston rod thread	M10x1,25
Reversing backlash	100 µm
Spindle diameter	12 mm
Spindle pitch	2.5 mm/U
Max. angular deflection of piston rod +/-	0.25 deg
Based on the standard	ISO 15552
Assembly position	Any
Piston-rod end	Male thread
Motor type	Stepper motor Servomotor
Position detection	For proximity sensor
Design structure	Electro-cylinder with lead screw
Spindle type	Plain thread
Protection against torque/guide	with plain-bearing guide
Max. acceleration	2.5 m/s ²
Max. speed	0.125 m/s
Repetition accuracy	±0,05 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	1.1 Nm
Max. radial force at drive shaft	115 N
Max. feed force F _x	1,000 N
No-load driving torque	0.1 Nm
Mass moment of inertia J _H per meter of stroke	1.6373 kgcm ²
Mass moment of inertia J _L per kg of working load	0.0016 kgcm ²
Mass moment of inertia, J _O	0.0164 kgcm ²
Moving mass with 0 mm stroke	198 g
Additional weight per 10 mm stroke	34 g
Basic weight for 0 mm stroke	667 g
Additional mass factor per 10 mm of stroke	9 g
Mounting type	with internal (female) thread or accessories
Interface code, actuator	D32
Materials note	Contains PWIS substances Conforms to RoHS
Material cover	Wrought Aluminum alloy Smooth anodized

Feature	Value
Material piston rod	High alloy steel, non-corrosive
Material screws	Steel Galvanized
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel
Material cylinder barrel	Wrought Aluminum alloy Smooth anodized