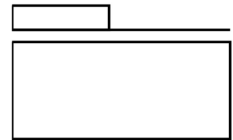


Electric linear actuator ELFC-KF-45-1000

Part number: 8062809

FESTO



Data sheet

Feature	Value
Working stroke	1000 mm
Size	45
Stroke reserve	0 mm
Type code	ELFC
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Guide
Symbol	00992984
Max. acceleration	250 m/s ²
Max. speed	1.5 m/s
Duty cycle	100%
Corrosion resistance class (CRC)	0 - No corrosion stress
Degree of protection	IP40
Ambient temperature	0 °C ... 50 °C
2nd moment of area I _y	140000 mm ⁴
2nd moment of area I _z	170000 mm ⁴
Max. force F _y	300 N
Max. force F _z	600 N
Max. torque M _x	5.5 Nm
Max. torque M _y	4.7 Nm
Max. torque M _z	4.7 Nm
Torsion moment of inertia I _t	8500 mm ⁴
Displacement force	4.5 N
F _y with theoretical service life of 100 km (from a guide perspective only)	1104 N
F _z with theoretical service life of 100 km (from a guide perspective only)	2208 N
M _x with theoretical service life of 100 km (from a guide perspective only)	20 Nm
M _y with theoretical service life of 100 km (from a guide perspective only)	17 Nm
M _z with theoretical service life of 100 km (from a guide perspective only)	17 Nm
Moving mass	144 g
Additional weight per 10 mm stroke	23 g
Material of end caps	Die cast aluminum, painted
Profile material	Wrought aluminum alloy, anodized
Note on materials	Contains paint-wetting impairment substances RoHS-compliant

Feature	Value
Cover strip material	High-alloy stainless steel
Cover material	Die cast aluminum, painted
Slide carriage material	Steel
Guide rail material	Steel
Slide material	Die-cast aluminum