

Guide axis ELFC-KF-32-800

Part number: 8062876

FESTO



Data sheet

Feature	Value
Working stroke	800 mm
Size	32
Stroke reserve	0 mm
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Guidance
Max. acceleration	250 m/s ²
Max. speed	1.5 m/s
Duty cycle	100%
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 7 according to ISO 14644-1
Degree of protection	IP40
Ambient temperature	0 °C...50 °C
2nd moment of area ly	38000 mm ⁴
2nd moment of area lz	45000 mm ⁴
Max. force Fy	150 N
Max. force Fz	300 N
Max. moment Mx	1.3 Nm
Max. moment My	1.1 Nm
Max. moment Mz	1.1 Nm
Torsional mass moment of inertia It	1770 mm ⁴
Displacement force	2 N
Fy at theoretical life value of 100 km (only guide consideration)	552 N
Fz at theoretical life value of 100 km (only guide consideration)	1104 N
Mx at theoretical life value of 100 km (only guide consideration)	5 Nm
My at theoretical life value of 100 km (only guide consideration)	4 Nm
Mz at theoretical life value of 100 km (only guide consideration)	4 Nm

Feature	Value
Moving mass	61 g
Additional weight per 10 mm stroke	11 g
Material end cap	Painted die cast aluminium
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant
Material cover tape	High-alloy stainless steel
Material cover	Painted die-cast aluminium
Material guide slide	Steel
Material guide rail	Steel
Material slide	Die-cast aluminium