Guide axis
ELFC-KF-32-200

Part number: 8062797

General operating condition

Data sheet

Feature	Value
Working stroke	200 mm
Size	32
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Guidance
Symbol	00992984
Position detection	Via proximity switch For inductive sensors
Max. acceleration	15 m/s²
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	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Degree of protection	IP40
Ambient temperature	0 °C ... 50 °C
2nd moment of area Iy	38000 mm⁴
2nd moment of area Iz	45000 mm⁴
Max. force Fy	356 N
Max. force Fz	356 N
Max. moment Mx	1.3 Nm
Max. moment My	1.1 Nm
Max. moment Mz	1.1 Nm
Max. force Fy total axis	150 N
Max. force Fz total axis	300 N
Max. moment Mx total axis	1.3 Nm
Max. moment My total axis	1.1 Nm
Max. moment Mz total axis	1.1 Nm
Torsional mass moment of inertia It	1770 mm⁴
Displacement force	2 N
Reference service life	5000 km
Maintenance interval	Lifetime lubrication
Fy at theoretical life value of 100 km (only guide consideration)	1310 N
Fz at theoretical life value of 100 km (only guide consideration)	1310 N

Feature	Value
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
Moving mass	61 g
Basic weight for 0 mm stroke	168 g
Additional weight per 10 mm stroke	11 g
Dynamic deflection (moving load)	0.05% of the axis length, max. 0.5 mm
Static deflection (load in standstill)	0.1% of the axis length
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 guide slide	Steel
Material guide rail	Steel
Material slide	Die-cast aluminium