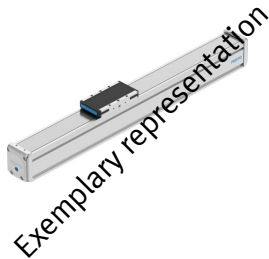


Guide axis ELFD-KF-60- -

Part number: 8182487

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 mm ... 5000 mm
Size	60
Stroke reserve	4.5 mm
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Guidance
Symbol	00992984
Max. acceleration	50 m/s ²
Max. speed	3 m/s
Duty cycle	100%
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-C1-L
Suitability for the production of Li-ion batteries	Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni
Storage temperature	-20 °C ... 60 °C
Degree of protection	IP40
Ambient temperature	0 °C ... 60 °C
2nd moment of area Iy	485200 mm ⁴
2nd moment of area Iz	730600 mm ⁴
Max. force Fy	2200 N ... 4400 N
Max. force Fz	2200 N ... 4400 N
Max. moment Mx	38 Nm ... 75 Nm
Max. moment My	42 Nm ... 390 Nm
Max. moment Mz	15 Nm ... 140 Nm
Max. force Fy total axis	1945 N ... 3890 N
Max. force Fz total axis	3200 N ... 4300 N
Max. moment Mx total axis	68 Nm ... 119 Nm
Max. moment My total axis	40 Nm ... 128 Nm
Max. moment Mz total axis	40 Nm ... 133 Nm
Torsional mass moment of inertia It	192900 mm ⁴
Displacement force	6 N
Reference service life	5000 km
Maintenance interval	Life-time lubrication
Fy at theoretical life value of 100 km (only guide consideration)	9208 N ... 18415 N

Feature	Value
Fz at theoretical life value of 100 km (only guide consideration)	9208 N ... 18415 N
Mx at theoretical life value of 100 km (only guide consideration)	157 Nm ... 314 Nm
My at theoretical life value of 100 km (only guide consideration)	60 Nm ... 500 Nm
Mz at theoretical life value of 100 km (only guide consideration)	60 Nm ... 500 Nm
Moving mass	419 g ... 643 g
Basic weight for 0 mm stroke	1261 g ... 1683 g
Additional weight per 10 mm stroke	49 g
Material end cap	Aluminium gravity die-cast, painted
Material profile	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant
Material cover tape	High-alloy stainless steel
Material cover	Aluminium gravity die-cast, painted
Material guide slide	Steel
Material guide rail	Steel
Material slide	Wrought aluminium alloy