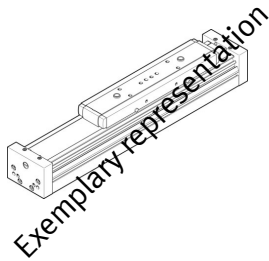


Guide axis ELFA-KF-70- -

Part number: 8037970

FESTO



[General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 mm ... 5000 mm
Size	70
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Guidance
Symbol	00992984
Max. acceleration	50 m/s ²
Max. speed	5 m/s
Duty cycle	100%
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection	IP40
Ambient temperature	-10 °C ... 60 °C
2nd moment of area ly	146050 mm ⁴
2nd moment of area lz	459290 mm ⁴
Max. force Fy	1500 N
Max. force Fz	1850 N
Max. idle running transfer resistance	11 N
Max. moment Mx	16 Nm
Max. moment My	132 Nm
Max. moment Mz	132 Nm
Max. force Fy total axis	1500 N
Max. force Fz total axis	1850 N
Max. moment Mx total axis	16 Nm
Max. moment My total axis	132 Nm
Max. moment Mz total axis	132 Nm
Fy at theoretical life value of 100 km (only guide consideration)	5520 N
Fz at theoretical life value of 100 km (only guide consideration)	6808 N
Mx at theoretical life value of 100 km (only guide consideration)	59 Nm
My at theoretical life value of 100 km (only guide consideration)	486 Nm
Mz at theoretical life value of 100 km (only guide consideration)	486 Nm
Weight of slide	790 g
Weight of additional slide	790 g
Basic weight for 0 mm stroke	2220 g

Feature	Value
Additional weight per 10 mm stroke	38 g
Material profile	Wrought aluminium alloy anodised
Note on materials	RoHS compliant
Material cover tape	Stainless steel strip
Material guide slide	Stainless steel
Material guide rail	Stainless steel
Material slide	Wrought aluminium alloy anodised