

Guide axis ELFA-KF-80- -

Part number: 8037971

FESTO



[General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 mm ... 8500 mm
Size	80
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 Iy	257180 mm ⁴
2nd moment of area Iz	913660 mm ⁴
Max. force Fy	2500 N
Max. force Fz	3050 N
Max. idle running transfer resistance	12 N
Max. moment Mx	36 Nm
Max. moment My	228 Nm
Max. moment Mz	228 Nm
Max. force Fy total axis	2500 N
Max. force Fz total axis	3050 N
Max. moment Mx total axis	36 Nm
Max. moment My total axis	228 Nm
Max. moment Mz total axis	228 Nm
Fy at theoretical life value of 100 km (only guide consideration)	9200 N
Fz at theoretical life value of 100 km (only guide consideration)	11224 N
Mx at theoretical life value of 100 km (only guide consideration)	132 Nm
My at theoretical life value of 100 km (only guide consideration)	839 Nm
Mz at theoretical life value of 100 km (only guide consideration)	839 Nm
Weight of slide	1610 g
Weight of additional slide	1610 g
Basic weight for 0 mm stroke	3740 g

Feature	Value
Additional weight per 10 mm stroke	49 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