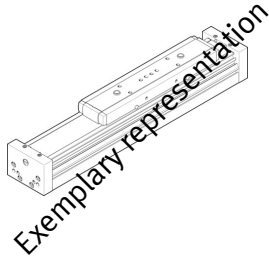


Guide axis ELFA-KF-70- -

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
Structural design	Guide
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	146050 mm ⁴
2nd moment of area Iz	459290 mm ⁴
Max. force Fy	1500 N
Max. force Fz	1850 N
Max. no-load resistance to shifting	11 N
Max. torque Mx	16 Nm
Max. torque My	132 Nm
Max. torque 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 with theoretical service life of 100 km (from a guide perspective only)	5520 N
Fz with theoretical service life of 100 km (from a guide perspective only)	6808 N
Mx with theoretical service life of 100 km (from a guide perspective only)	59 Nm
My with theoretical service life of 100 km (from a guide perspective only)	486 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	486 Nm
Slide weight	790 g
Additional slide weight	790 g

Feature	Value
Basic weight with 0 mm stroke	2220 g
Additional weight per 10 mm stroke	38 g
Profile material	Wrought aluminum alloy Anodized
Note on materials	RoHS-compliant
Cover strip material	Stainless steel strip
Slide carriage material	Stainless steel
Guide rail material	Stainless steel
Slide material	Wrought aluminum alloy Anodized