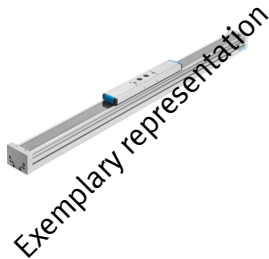


Guide axis ELFA-RF-80- -

Part number: 8037968

FESTO



[General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 mm ... 7000 mm
Size	80
Mounting position	Any
Guide	Roller bearing guide
Design	Guidance
Symbol	00992984
Max. acceleration	50 m/s ²
Max. speed	10 m/s
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	269840 mm ⁴
2nd moment of area Iz	1018510 mm ⁴
Max. force Fy	800 N
Max. force Fz	800 N
Max. idle running transfer resistance	40 N
Max. moment Mx	30 Nm
Max. force Fy total axis	800 N
Max. force Fz total axis	800 N
Max. moment Mx total axis	30 Nm
Reference service life	10000 km
Fy at theoretical life value of 100 km (only guide consideration)	3712 N
Fz at theoretical life value of 100 km (only guide consideration)	3712 N
Mx at theoretical life value of 100 km (only guide consideration)	139 Nm
Additional weight per 10 mm stroke	47.13 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
Type of mounting	With accessories
Material end cap	Wrought aluminium alloy anodised
Material profile	Wrought aluminium alloy anodised
Note on materials	RoHS compliant
Material cover tape	Stainless steel strip

Feature	Value
Material guide	Steel
Material slide	Wrought aluminium alloy anodised