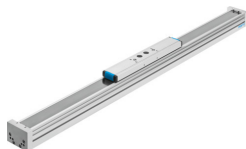


Guide axis ELFA-RF-80- -

Part number: 8037968

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...7000 mm
Size	80
Mounting position	optional
Guide	Roller bearing guide
Design	Guidance
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

Feature	Value
Note on materials	RoHS-compliant
Material cover tape	Stainless steel strip
Material guide	Steel
Material slide	Wrought aluminium alloy Anodised