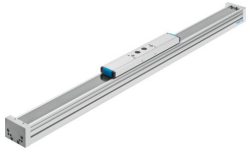


Guide axis ELFA-RF-70- -

Part number: 8037967

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...7000 mm
Size	70
Mounting position	Any
Guide	Roller guide
Structural design	Guide
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	139140 mm ⁴
2nd moment of area Iz	433100 mm ⁴
Max. force Fy	500 N
Max. force Fz	500 N
Max. no-load resistance to shifting	25 N
Max. torque Mx	11 Nm
Max. force Fy total axis	500 N
Max. force Fz total axis	500 N
Max. moment Mx total axis	11 Nm
Reference service life	10000 km
Fy with theoretical service life of 100 km (from a guide perspective only)	2320 N
Fz with theoretical service life of 100 km (from a guide perspective only)	2320 N
Mx with theoretical service life of 100 km (from a guide perspective only)	51 Nm
Additional weight per 10 mm stroke	30.54 g
Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Static deflection (load at standstill)	0.1 % of axis length
Type of mounting	With accessories
Material of end caps	Wrought aluminum alloy Anodized
Profile material	Wrought aluminum alloy

Feature	Value
	Anodized
Note on materials	RoHS compliant
Cover strip material	Stainless strip steel
Guide material	Steel
Slide material	Wrought aluminum alloy Anodized