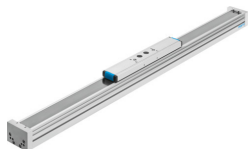


Guide axis ELFA-RF-70- -

Part number: 8037967

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...7000 mm
Size	70
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 I _y	139140 mm ⁴
2nd moment of area I _z	433100 mm ⁴
Max. force F _y	500 N
Max. force F _z	500 N
Max. idle running transfer resistance	25 N
Max. moment M _x	11 Nm
Max. force F _y total axis	500 N
Max. force F _z total axis	500 N
Max. moment M _x total axis	11 Nm
Reference service life	10000 km
F _y at theoretical life value of 100 km (only guide consideration)	2320 N
F _z at theoretical life value of 100 km (only guide consideration)	2320 N
M _x at theoretical life value of 100 km (only guide consideration)	51 Nm
Additional weight per 10 mm stroke	30.54 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