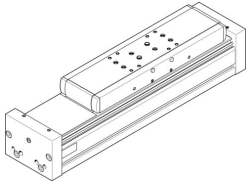


Guide axis ELFA-KF-120- -

Part number: 8037972

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...8500 mm
Size	120
Mounting position	Any
Guide	Recirculating ball bearing
Structural design	Guide
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	1264580 mm ⁴
2nd moment of area Iz	4365790 mm ⁴
Max. force Fy	5500 N
Max. force Fz	6890 N
Max. no-load resistance to shifting	23 N
Max. torque Mx	104 Nm
Max. torque My	680 Nm
Max. torque Mz	680 Nm
Max. force Fy total axis	5500 N
Max. force Fz total axis	6890 N
Max. moment Mx total axis	104 Nm
Max. moment My total axis	680 Nm
Max. moment Mz total axis	680 Nm
Fy with theoretical service life of 100 km (from a guide perspective only)	20240 N
Fz with theoretical service life of 100 km (from a guide perspective only)	25355 N
Mx with theoretical service life of 100 km (from a guide perspective only)	383 Nm
My with theoretical service life of 100 km (from a guide perspective only)	2502 Nm

Feature	Value
Mz with theoretical service life of 100 km (from a guide perspective only)	2502 Nm
Slide weight	3600 g
Additional slide weight	3600 g
Basic weight with 0 mm stroke	8500 g
Additional weight per 10 mm stroke	103 g
Profile material	Wrought aluminum alloy Anodized
Note on materials	RoHS compliant
Cover strip material	Stainless strip steel
Slide carriage material	Quenched and tempered steel
Guide rail material	Quenched and tempered steel Corrotect coated
Slide material	Wrought aluminum alloy Anodized