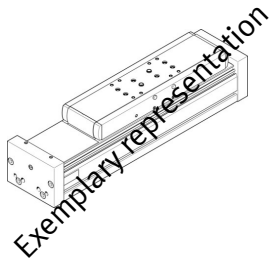


Guide axis ELFA-KF-120- -

Part number: 8037972



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 mm ... 8500 mm
Size	120
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Guidance
Symbol	00992984
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. idle running transfer resistance	23 N
Max. moment Mx	104 Nm
Max. moment My	680 Nm
Max. moment 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 at theoretical life value of 100 km (only guide consideration)	20240 N
Fz at theoretical life value of 100 km (only guide consideration)	25355 N
Mx at theoretical life value of 100 km (only guide consideration)	383 Nm
My at theoretical life value of 100 km (only guide consideration)	2502 Nm
Mz at theoretical life value of 100 km (only guide consideration)	2502 Nm
Weight of slide	3600 g
Weight of additional slide	3600 g
Basic weight for 0 mm stroke	8500 g

Feature	Value
Additional weight per 10 mm stroke	103 g
Material profile	Wrought aluminium alloy anodised
Note on materials	RoHS compliant
Material cover tape	Stainless steel strip
Material guide slide	Tempered steel
Material guide rail	Tempered steel Corrotect coated
Material slide	Wrought aluminium alloy anodised