

Guide axis EGC-80- -FA

Part number: 558865



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 mm ... 8500 mm
Size	80
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Guidance
Max. acceleration	50 m/s ²
Max. speed	5 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	844000 mm ⁴
2nd moment of area Iz	1160000 mm ⁴
Max. force Fy	3050 N
Max. force Fz	3050 N
Max. idle running transfer resistance	15 N
Max. moment Mx	36 Nm
Max. moment My	97 Nm ... 228 Nm
Max. moment Mz	97 Nm ... 228 Nm
Max. force Fy total axis	3050 N
Max. force Fz total axis	3050 N
Max. moment Mx total axis	36 Nm
Max. moment My total axis	97 Nm ... 228 Nm
Max. moment Mz total axis	97 Nm ... 228 Nm
Torsional mass moment of inertia It	551000 mm ⁴
Fy at theoretical life value of 100 km (only guide consideration)	11236 N
Fz at theoretical life value of 100 km (only guide consideration)	11236 N
Mx at theoretical life value of 100 km (only guide consideration)	133 Nm
My at theoretical life value of 100 km (only guide consideration)	357 Nm ... 840 Nm
Mz at theoretical life value of 100 km (only guide consideration)	357 Nm ... 840 Nm
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
Pneumatic connection, clamping unit	M5
Material profile	Wrought aluminium alloy anodised

Feature	Value
Note on materials	RoHS compliant
Material cover profile	ABS
Material cover	Wrought aluminium alloy anodised
Material guide slide	Steel
Material guide rail	Steel
Material slide	Wrought aluminium alloy anodised