

Guide axis EGC-70- -FA

Part number: 558864



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Working stroke	50 mm ... 5000 mm
Size	70
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	395000 mm ⁴
2nd moment of area Iz	577000 mm ⁴
Max. force Fy	1850 N
Max. force Fz	1850 N
Max. idle running transfer resistance	15 N
Max. moment Mx	16 Nm
Max. moment My	51 Nm ... 132 Nm
Max. moment Mz	51 Nm ... 132 Nm
Max. force Fy total axis	1850 N
Max. force Fz total axis	1850 N
Max. moment Mx total axis	16 Nm
Max. moment My total axis	51 Nm ... 132 Nm
Max. moment Mz total axis	51 Nm ... 132 Nm
Torsional mass moment of inertia It	240000 mm ⁴
Fy at theoretical life value of 100 km (only guide consideration)	6815 N
Fz at theoretical life value of 100 km (only guide consideration)	6815 N
Mx at theoretical life value of 100 km (only guide consideration)	59 Nm
My at theoretical life value of 100 km (only guide consideration)	188 Nm ... 486 Nm
Mz at theoretical life value of 100 km (only guide consideration)	188 Nm ... 486 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
Material profile	Wrought aluminium alloy anodised
Note on materials	RoHS compliant

Feature	Value
Material cover profile	ABS
Material cover	Wrought aluminium alloy anodised
Material guide slide	Steel
Material guide rail	Steel
Material slide	Wrought aluminium alloy anodised