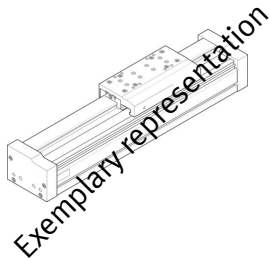


Guide axis EGC-120- -FA

Part number: 558866



 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
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	4620000 mm ⁴
2nd moment of area Iz	5650000 mm ⁴
Max. force Fy	6890 N
Max. force Fz	6890 N
Max. idle running transfer resistance	15 N
Max. moment Mx	144 Nm
Max. moment My	380 Nm ... 680 Nm
Max. moment Mz	380 Nm ... 680 Nm
Max. force Fy total axis	6890 N
Max. force Fz total axis	6890 N
Max. moment Mx total axis	144 Nm
Max. moment My total axis	380 Nm ... 680 Nm
Max. moment Mz total axis	380 Nm ... 680 Nm
Torsional mass moment of inertia It	2680000 mm ⁴
Fy at theoretical life value of 100 km (only guide consideration)	25383 N
Fz at theoretical life value of 100 km (only guide consideration)	25383 N
Mx at theoretical life value of 100 km (only guide consideration)	531 Nm
My at theoretical life value of 100 km (only guide consideration)	1400 Nm ... 2505 Nm
Mz at theoretical life value of 100 km (only guide consideration)	1400 Nm ... 2505 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