

Guide axis EGC-70- -FA

Part number: 558864

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...5000 mm
Size	70
Mounting position	Any
Guide	Recirculating ball bearing
Structural design	Guide
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. no-load resistance to shifting	15 N
Max. torque Mx	16 Nm
Max. torque My	51 Nm...132 Nm
Max. torque 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
Torsion moment of inertia It	240000 mm ⁴
Fy with theoretical service life of 100 km (from a guide perspective only)	6815 N
Fz with theoretical service life of 100 km (from a guide perspective only)	6815 N
Mx with theoretical service life of 100 km (from a guide perspective only)	59 Nm
My with theoretical service life of 100 km (from a guide perspective only)	188 Nm...486 Nm

Feature	Value
Mz with theoretical service life of 100 km (from a guide perspective only)	188 Nm...486 Nm
Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Static deflection (load at standstill)	0.1 % of axis length
Profile material	Wrought aluminum alloy Anodized
Note on materials	RoHS compliant
Cover profile material	ABS
Cover material	Wrought aluminum alloy Anodized
Slide carriage material	Steel
Guide rail material	Steel
Slide material	Wrought aluminum alloy Anodized