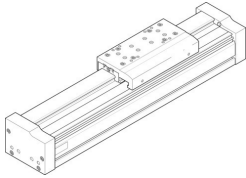


Guide axis EGC-185- -FA

Part number: 558868

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...8500 mm
Size	185
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	23400000 mm ⁴
2nd moment of area Iz	27400000 mm ⁴
Max. force Fy	15200 N
Max. force Fz	15200 N
Max. no-load resistance to shifting	15 N
Max. torque Mx	529 Nm
Max. torque My	1157 Nm...1820 Nm
Max. torque Mz	1157 Nm...1820 Nm
Max. force Fy total axis	15200 N
Max. force Fz total axis	15200 N
Max. moment Mx total axis	529 Nm
Max. moment My total axis	1157 Nm...1820 Nm
Max. moment Mz total axis	1157 Nm...1820 Nm
Torsion moment of inertia It	14100000 mm ⁴
Fy with theoretical service life of 100 km (from a guide perspective only)	55997 N
Fz with theoretical service life of 100 km (from a guide perspective only)	55997 N
Mx with theoretical service life of 100 km (from a guide perspective only)	1949 Nm
My with theoretical service life of 100 km (from a guide perspective only)	4262 Nm...6705 Nm

Feature	Value
Mz with theoretical service life of 100 km (from a guide perspective only)	4262 Nm...6705 Nm
Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Static deflection (load at standstill)	0.1 % of axis length
Pneumatic port on clamping unit	M5
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