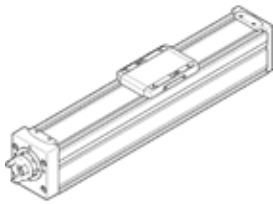


# spindle axis ELGC-BS-KF-32-100-8P

Part number: 8061477  
☆ Core product range

FESTO



## Data sheet

Feature	Value
Working stroke	100 mm
Size	32
Stroke reserve	0 mm
Spindle diameter	8 mm
Spindle pitch	8 mm/U
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical linear axis with recirculating ball bearing spindle
Motor type	Stepper motor Servomotor
Spindle type	Ball screw
Max. acceleration	15 m/s <sup>2</sup>
Max. speed	4,500 1/min 0.6 m/s
Repetition accuracy	±0,015 mm
Protection class	IP40
Ambient temperature	0 ... 50 °C
Area moment of inertia 2nd degree Iy	38E+03 mm <sup>4</sup>
Area moment of inertia 2nd degree Iz	45E+03 mm <sup>4</sup>
No-load torque at maximum travel speed	0.04 Nm
No-load torque at minimum travel speed	0.02 Nm
Max. force Fy	150 N
Max. force Fz	300 N
Fy with theoretical service life of 100 km (from a guide perspective only)	552 N
Fz with theoretical service life of 100 km (from a guide perspective only)	1,104 N
Max. torque Mx	1.3 Nm
Max. torque My	1.1 Nm
Max. torque Mz	1.1 Nm
Mx with theoretical service life of 100 km (from a guide perspective only)	5 Nm
My with theoretical service life of 100 km (from a guide perspective only)	4 Nm
Mz with theoretical service life of 100 km (from a guide perspective only)	4 Nm
Max. feed force Fx	40 N
Torsional mass moment of inertia It	1.7E+03 mm <sup>4</sup>
Mass moment of inertia JH per metre of stroke	0.02218 kgcm <sup>2</sup>
Mass moment of inertia JL per kg of working load	0.016211 kgcm <sup>2</sup>
Mass moment of inertia, JO	0.00274 kgcm <sup>2</sup>
Feed constant	8 mm/U
Moving mass	83.4 g
Additional weight per 10 mm stroke	18 g
Dynamic deflection (load moved)	0.05% of the axis length, max. 0.5 mm
Static deflection (load at standstill)	0.1% of the axis length
Interface code, actuator	V25
Material of end caps	Die-cast aluminium, painted
Material of profile	Anodised wrought aluminium alloy
Materials note	Contains PWIS substances

Feature	Value
	Conforms to RoHS
Material cover tape	High alloy steel, non-corrosive
Material drive cover	Die-cast aluminium, painted
Material guide slide	Steel
Material guide rail	Steel
Material slide	Aluminium die cast
Material spindle nut	Steel
Material spindle	Steel