

spindle axis ELGC-BS-KF-32-200-8P

Part number: 8061478

☆ Core product range

FESTO



Data sheet

| Feature | Value |
|--|--|
| Working stroke | 200 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 ² |
| 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 ⁴ |
| Area moment of inertia 2nd degree Iz | 45E+03 mm ⁴ |
| 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 ⁴ |
| Mass moment of inertia JH per metre of stroke | 0.02218 kgcm ² |
| Mass moment of inertia JL per kg of working load | 0.016211 kgcm ² |
| Mass moment of inertia, JO | 0.00274 kgcm ² |
| 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 |