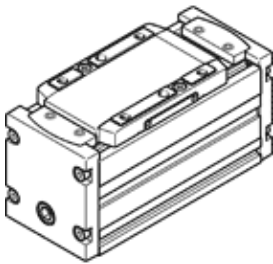


guide axis ELFC-KF-45-800

Part number: 8062808

FESTO



Data sheet

| Feature | Value |
|--|----------------------------------|
| Working stroke | 800 mm |
| Size | 45 |
| Stroke reserve | 0 mm |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Guide |
| Max. acceleration | 250 m/s ² |
| Max. speed | 1.5 m/s |
| Duty cycle | 100 % |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 7 |
| Protection class | IP40 |
| Ambient temperature | 0 ... 50 °C |
| Area moment of inertia 2nd degree Iy | 140E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iz | 170E+03 mm ⁴ |
| Max. force Fy | 300 N |
| Max. force Fz | 600 N |
| Max. torque Mx | 5.5 Nm |
| Max. torque My | 4.7 Nm |
| Max. torque Mz | 4.7 Nm |
| Torsional mass moment of inertia It | 8.5E+03 mm ⁴ |
| Displacement force | 4.5 N |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 1,104 N |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 2,208 N |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 20 Nm |
| My with theoretical service life of 100 km (from a guide perspective only) | 17 Nm |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 17 Nm |
| Moving mass | 144 g |
| Additional weight per 10 mm stroke | 23 g |
| Material of end caps | Die-cast aluminium, painted |
| Material of profile | Anodised wrought aluminium alloy |
| Materials note | Conforms to RoHS |
| Material cover tape | High alloy steel, non-corrosive |
| Material cover | Die-cast aluminium, painted |
| Material guide slide | Steel |
| Material guide rail | Steel |
| Material slide | Aluminium die cast |