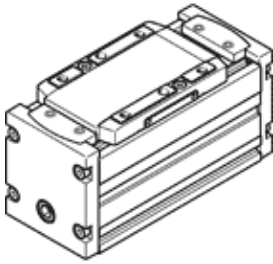


# Passive guide axis ELFC-KF-45-400

Part number: 8062805

FESTO



## Data sheet

| Feature  | Value                            |
|--|----------------------------------|
| Working stroke   | 400 mm                           |
| Size   | 45                               |
| Stroke reserve   | 0 mm                             |
| Assembly position  | Any                              |
| Guide  | Recirculating ball bearing guide |
| Design structure   | Guide                            |
| Max. acceleration  | 250 m/s <sup>2</sup>             |
| 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 <sup>4</sup>          |
| Area moment of inertia 2nd degree Iz                                       | 170E+03 mm <sup>4</sup>          |
| 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 <sup>4</sup>          |
| 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   | Aluminum die cast                |