

# Guide axis ELFA-KF-80- -

Part number: 8037971

FESTO



## Data sheet

| Feature  | Value                               |
|--|-------------------------------------|
| Working stroke                                       | 50 mm...8500 mm                     |
| Size   | 80                                  |
| Mounting position                                    | optional                            |
| Guide  | Recirculating ball bearing guide    |
| Design   | Guidance                            |
| Max. acceleration                                    | 50 m/s <sup>2</sup>                 |
| Max. speed   | 5 m/s                               |
| Duty cycle   | 100%                                |
| 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                                | 257180 mm <sup>4</sup>              |
| 2nd moment of area Iz                                | 913660 mm <sup>4</sup>              |
| Max. force Fy  | 2500 N                              |
| Max. force Fz  | 3050 N                              |
| Max. idle running transfer resistance                | 12 N                                |
| Max. moment Mx                                       | 36 Nm                               |
| Max. moment My                                       | 228 Nm                              |
| Max. moment Mz                                       | 228 Nm                              |
| Lubrication interval dependent on operating distance | 1000 km                             |
| Weight of slide                                      | 1610 g                              |
| Weight of additional slide                           | 1610 g                              |
| Basic weight for 0 mm stroke                         | 3740 g                              |
| Additional weight per 10 mm stroke                   | 49 g                                |
| Type of mounting                                     | With accessories                    |
| Material profile                                     | Wrought aluminium alloy<br>Anodised |
| Note on materials                                    | RoHS-compliant                      |
| Material cover tape                                  | Stainless steel strip               |
| Material guide slide                                 | Stainless steel                     |
| Material guide rail                                  | Stainless steel                     |

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|----------------|-------------------------------------|
| Material slide | Wrought aluminium alloy<br>Anodised |