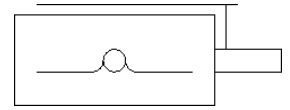
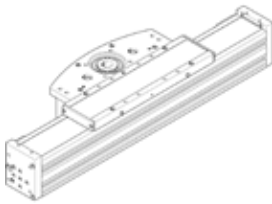


# cantilever axis

## ELCC-TB-KF-60-200-0H-P0-CR

Part number: 8082386

FESTO



### Data sheet

| Feature                                          | Value                                             |
|--------------------------------------------------|---------------------------------------------------|
| Effective diameter of drive pinion               | 30.558 mm                                         |
| Working stroke                                   | 200 mm                                            |
| Size                                             | 60                                                |
| Stroke reserve                                   | 0 mm                                              |
| Toothed-belt pitch                               | 3 mm                                              |
| Assembly position                                | Any                                               |
| Guide                                            | Recirculating ball bearing guide                  |
| Design structure                                 | Electromechanical Cantilever axis                 |
| Max. acceleration                                | 50 m/s <sup>2</sup>                               |
| Max. speed                                       | 5 m/s                                             |
| Repetition accuracy                              | ±0,05 mm                                          |
| Corrosion resistance classification CRC          | 0 - No corrosion stress                           |
| Protection class                                 | IP20                                              |
| Ambient temperature                              | -10 ... 60 °C                                     |
| Area moment of inertia 2nd degree Iy             | 240.6E+03 mm <sup>4</sup>                         |
| Area moment of inertia 2nd degree Iz             | 304.21E+03 mm <sup>4</sup>                        |
| Max. drive torque                                | 4.6 Nm                                            |
| Max. force Fy                                    | 4,216 N                                           |
| Max. force Fz                                    | 4,119 N                                           |
| Max. torque Mx                                   | 36 Nm                                             |
| Max. torque My                                   | 293 Nm                                            |
| Max. torque Mz                                   | 288 Nm                                            |
| Max. feed force Fx                               | 300 N                                             |
| Mass moment of inertia JH per metre of stroke    | 8.9 kgcm <sup>2</sup>                             |
| Mass moment of inertia JL per kg of working load | 2.3 kgcm <sup>2</sup>                             |
| Mass moment of inertia, JO                       | 5.9 kgcm <sup>2</sup>                             |
| Feed constant                                    | 96 mm/U                                           |
| Reference value, running performance             | 5,004 km                                          |
| Lubrication interval, distance dependent         | 1,000 km                                          |
| Moving mass with 0 mm stroke                     | 1,636 g                                           |
| Additional weight per 10 mm stroke               | 38 g                                              |
| Basic weight for 0 mm stroke                     | 4,146 g                                           |
| Additional mass factor per 10 mm of stroke       | 38 g                                              |
| Material of end caps                             | Anodised wrought aluminium alloy                  |
| Material of profile                              | Anodised wrought aluminium alloy                  |
| Materials note                                   | Contains PWIS substances<br>Conforms to RoHS      |
| Material drive head                              | Anodised wrought aluminium alloy                  |
| Material guide rail                              | Rolled steel, Corrotect coated                    |
| Material housing                                 | High alloy steel, non-corrosive                   |
| Material slide                                   | Cast aluminium, anodised                          |
| Material toothed belt clamping piece             | Anodised wrought aluminium alloy                  |
| Material toothed belt                            | polychloroprene with glass cord and nylon coating |