

# Cantilever axis ELCC-TB-KF-60-500-0H-P0-CR

Part number: 8082388

FESTO



[PDF General operating condition](#)

## Data sheet

| Feature  | Value                             |
|--|-----------------------------------|
| Effective diameter of drive pinion                           | 30.558 mm                         |
| Working stroke   | 500 mm                            |
| Size   | 60                                |
| Stroke reserve   | 0 mm                              |
| Toothed-belt pitch   | 3 mm                              |
| Mounting position  | Any                               |
| Guide  | Recirculating ball bearing guide  |
| Design   | Electromechanical cantilever axis |
| Symbol   | 00991210                          |
| Max. acceleration  | 50 m/s <sup>2</sup>               |
| Max. speed   | 5 m/s                             |
| Repetition accuracy  | ±0.05 mm                          |
| Corrosion resistance class CRC                               | 0 - No corrosion stress           |
| LABS (PWIS) conformity                                       | VDMA24364 zone III                |
| Degree of protection   | IP20                              |
| Ambient temperature  | -10 °C ... 60 °C                  |
| 2nd moment of area I <sub>y</sub>                            | 240600 mm <sup>4</sup>            |
| 2nd moment of area I <sub>z</sub>                            | 304210 mm <sup>4</sup>            |
| Max. drive torque  | 5.4 Nm                            |
| Max. force F <sub>y</sub>                                    | 4216 N                            |
| Max. force F <sub>z</sub>                                    | 4119 N                            |
| Max. moment M <sub>x</sub>                                   | 36 Nm                             |
| Max. moment M <sub>y</sub>                                   | 293 Nm                            |
| Max. moment M <sub>z</sub>                                   | 288 Nm                            |
| Max. feed force F <sub>x</sub>                               | 300 N                             |
| Mass moment of inertia J <sub>H</sub> per metre of stroke    | 8.9 kgcm <sup>2</sup>             |
| Mass moment of inertia J <sub>L</sub> per kg of working load | 2.3 kgcm <sup>2</sup>             |
| Mass moment of inertia J <sub>O</sub>                        | 5.9 kgcm <sup>2</sup>             |
| Feed constant  | 96 mm/U                           |
| Reference service life                                       | 5000 km                           |
| Lubrication interval dependent on operating distance         | 1000 km                           |
| Moving mass for 0 mm stroke                                  | 1636 g                            |
| Additional moving mass per 10 mm stroke                      | 38 g                              |
| Basic weight for 0 mm stroke                                 | 4146 g                            |
| Additional weight per 10 mm stroke                           | 38 g                              |
| Material end cap   | Anodised wrought aluminium alloy  |

| <b>Feature</b>                       | <b>Value</b>  |
|--------------------------------------|---|
| Material profile                     | Anodised wrought aluminium alloy                      |
| Note on materials                    | RoHS compliant  |
| Material drive head                  | Anodised wrought aluminium alloy                      |
| Material guide rail                  | Rolled steel, Corrotect coated                        |
| Material housing                     | High-alloy stainless steel                            |
| Material slide                       | Anodised cast aluminium                               |
| Material toothed belt clamping piece | Anodised wrought aluminium alloy                      |
| Material toothed belt                | Polychloroprene with glass filament and nylon coating |