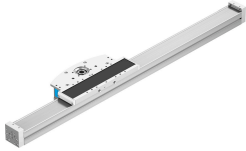


Cantilever axis ELCC-TB-KF-60-500-0H-P0-CR

Part number: 8082388

FESTO



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 | optional |
| Guide | Recirculating ball bearing guide |
| Design | Electromechanical cantilever axis |
| Max. acceleration | 50 m/s ² |
| 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 Iy | 240600 mm ⁴ |
| 2nd moment of area Iz | 304210 mm ⁴ |
| Max. drive torque | 5.4 Nm |
| Max. force Fy | 4216 N |
| Max. force Fz | 4119 N |
| Max. moment Mx | 36 Nm |
| Max. moment My | 293 Nm |
| Max. moment Mz | 288 Nm |
| Max. feed force Fx | 300 N |
| Mass moment of inertia JH per metre of stroke | 8.9 kgcm ² |
| Mass moment of inertia JL per kg of working load | 2.3 kgcm ² |
| Mass moment of inertia JO | 5.9 kgcm ² |
| 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 |

| Feature | Value |
|---|---|
| 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 |
| 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 die-cast aluminium |
| Material toothed belt clamping piece | Anodised wrought aluminium alloy |
| Material toothed belt | Polychloroprene with glass filament and nylon coating |