

cantilever axis

ELCC-TB-KF-70-1000-0H-P0-CR

Part number: 8082397

FESTO



Data sheet

| Feature | Value |
|--|---|
| Effective diameter of drive pinion | 30.558 mm |
| Working stroke | 1,000 mm |
| Size | 70 |
| 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 ² |
| Max. speed | 5 m/s |
| Repetition accuracy | ±0,05 mm |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| Protection class | IP20 |
| Ambient temperature | -10 ... 60 °C |
| Area moment of inertia 2nd degree Iy | 959.74E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iz | 928.74E+03 mm ⁴ |
| Max. drive torque | 10.4 Nm |
| Max. force Fy | 9,680 N |
| Max. force Fz | 9,406 N |
| Max. torque Mx | 104 Nm |
| Max. torque My | 826 Nm |
| Max. torque Mz | 797 Nm |
| Max. feed force Fx | 600 N |
| Mass moment of inertia JH per metre of stroke | 14.7 kgcm ² |
| Mass moment of inertia JL per kg of working load | 2.3 kgcm ² |
| Mass moment of inertia, JO | 10.6 kgcm ² |
| Feed constant | 96 mm/U |
| Reference value, running performance | 5,000 km |
| Lubrication interval, distance dependent | 1,000 km |
| Moving mass with 0 mm stroke | 3,210 g |
| Additional mass factor per 10 mm of stroke | 63 g |
| Basic weight for 0 mm stroke | 7,960 g |
| Additional weight per 10 mm stroke | 63 g |
| Material of end caps | Anodised wrought aluminium alloy |
| Material of profile | Anodised wrought aluminium alloy |
| Materials note | 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 |