

Toothed belt axis

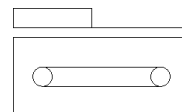
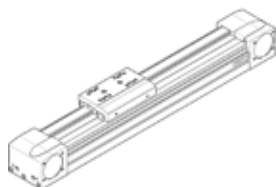
EGC-70-800-TB-KF-0H-GK

Part number: 3012496

★ Core product range

With recirculating ball bearing guide

FESTO



Data sheet

| Feature | Value |
|--|--|
| Effective diameter of drive pinion | 24.83 mm |
| Working stroke | 800 mm |
| Size | 70 |
| Stroke reserve | 0 mm |
| Toothed-belt stretch | 0.08 % |
| Toothed-belt pitch | 3 mm |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Electromechanical linear axis With toothed belt |
| Motor type | Stepper motor Servomotor |
| Max. acceleration | 50 m/s ² |
| Max. speed | 5 m/s |
| Repetition accuracy | ±0,08 mm |
| Duty cycle | 100 % |
| PWIS conformity | VDMA24364 zone III |
| Protection class | IP40 |
| Ambient temperature | -10 ... 60 °C |
| Area moment of inertia 2nd degree Ix | 395E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iy | 577E+03 mm ⁴ |
| Max. force Fy | 1,850 N |
| Max. force Fz | 1,850 N |
| Max. idling displacement resistance | 14.5 N |
| Max. torque Mx | 16 Nm |
| Max. feed force Fx | 100 N |
| Torsional mass moment of inertia It | 240E+03 mm ⁴ |
| Mass moment of inertia JH per meter of stroke | 0.11 kgcm ² |
| Mass moment of inertia JL per kg of working load | 1.54 kgcm ² |
| Feed constant | 78 mm/U |
| Material of end caps | Wrought Aluminum alloy Anodized |
| Material of profile | Wrought Aluminum alloy Anodized |
| Materials note | Conforms to RoHS |
| Material drive cover | Wrought Aluminum alloy Anodized |
| Material guide slide | Steel |
| Material guide rail | Steel |
| Material pulleys | High alloy steel, non-corrosive |
| Material slide | Wrought Aluminum alloy Anodized |
| Material toothed belt clamping piece | Nickel plated |
| Material toothed belt | polychloroprene with glass cord and nylon coating |