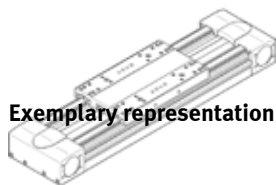


Toothed belt axis EGC-HD-125- -TB

Part number: 556823

FESTO

With recirculating ball bearing guide - heavy-duty guide



Exemplary representation



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--------------------------------------------------|----------------------------------------------------|
| Effective diameter of drive pinion | 32.47 mm |
| Working stroke | 50 ... 3,000 mm |
| Size | 125 |
| Toothed-belt stretch | 0.31 % |
| 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 | 40 m/s ² |
| Max. speed | 3 m/s |
| Duty cycle | 100 % |
| PWIS conformity | VDMA24364 zone III |
| Protection class | IP40 |
| Ambient temperature | -10 ... 60 °C |
| Area moment of inertia 2nd degree Iy | 689E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iz | 4,090E+03 mm ⁴ |
| Max. drive torque | 7.2 Nm |
| Max. force Fy | 3,650 N |
| Max. force Fz | 3,650 N |
| Max. idling displacement resistance | 67.8 N |
| Max. torque Mx | 140 Nm |
| Max. torque My | 275 Nm |
| Max. torque Mz | 275 Nm |
| Max. feed force Fx | 450 N |
| No-load driving torque | 1.1 Nm |
| Torsional mass moment of inertia It | 627E+03 mm ⁴ |
| Mass moment of inertia JH per meter of stroke | 0.38 kgcm ² |
| Mass moment of inertia JL per kg of working load | 2.635 kgcm ² |
| Mass moment of inertia, JO | 4.639 kgcm ² |
| Mass moment of inertia JW for additional slide | 3.3 kgcm ² |
| Feed constant | 102 mm/U |
| Reference value, running performance | 5,000 km |
| Slide weight | 1,218 g |
| Additional slide weight | 1,026 g |
| Basic weight for 0 mm stroke | 4,720 g |
| Additional weight per 10 mm stroke | 73 g |
| Material of profile | Anodised wrought aluminium alloy |
| Materials note | Conforms to RoHS |
| Material drive cover | Anodised wrought aluminium alloy |

| Feature | Value |
|--------------------------------------|------------------------------------------------------------------------------------------------------|
| Material pulleys | High alloy steel, non-corrosive |
| Material slide | Anodised wrought aluminium alloy |
| Material toothed belt clamping piece | Beryllium bronze |
| Material toothed belt | polychloroprene with glass cord and nylon coating Polyurethane with steel cord and Nylon covering |