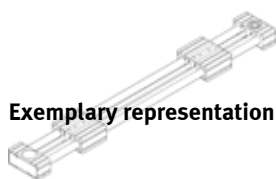


Toothed belt axis ELGG-TB-...-55- -

Part number: 571060

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| Effective diameter of drive pinion | 28.65 mm |
| Working stroke | 50 ... 1,200 mm |
| Size | 55 |
| Toothed-belt stretch | 0.21 % |
| Toothed-belt pitch | 3 mm |
| Assembly position | Any |
| Guide | Plain-bearing 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 | 1 ... 3 m/s |
| Repetition accuracy | ±0,1 mm |
| Duty cycle | 100 % |
| PWIS conformity | VDMA24364 zone III |
| Protection class | IP20 |
| Ambient temperature | -10 ... 50 °C |
| Area moment of inertia 2nd degree Iy | 38.3E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iz | 41.18E+03 mm ⁴ |
| Max. drive torque | 5 Nm |
| Max. force Fy | 300 N |
| Max. force Fz | 300 N |
| Max. idling displacement resistance | 27.9 N |
| Max. feed force Fx | 350 N |
| No-load driving torque | 0.4 Nm |
| Mass moment of inertia JH per meter of stroke | 0.019 kgcm ² |
| Mass moment of inertia JL per kg of working load | 2.05 kgcm ² |
| Feed constant | 90 mm/U |
| Reference value, running performance | 2,500 km |
| Additional mass factor per 10 mm of stroke | 0.92 g |
| Basic weight for 0 mm stroke | 7,160 g |
| Additional weight per 10 mm stroke | 156 g |
| Material of profile | Wrought Aluminum alloy Anodized |
| Materials note | Conforms to RoHS |
| Material drive cover | Wrought Aluminum alloy Anodized |
| Material pulleys | High alloy steel, non-corrosive |
| Material slide | Wrought Aluminum alloy Anodized |
| Material toothed belt clamping piece | Beryllium bronze |
| Material toothed belt | polychloroprene with glass cord and nylon coating |