

Osa vretena ELGT-BS-160-550-20P

Broj artikla: 8124531

FESTO



Tehnički podaci

| Svojstvo | Vrednost |
|--|--|
| Radni hod | 550 mm |
| Veličina | 160 |
| Rezerva hoda | 0 mm |
| Reverzibilni zazor | $\leq 0,15 \mu\text{m}$ |
| Prečnik vretena | 20 mm |
| Ušpon vretena | 20 mm/U |
| Položaj ugradnje | proizvoljno |
| Vođica | Kuglično vođenje |
| Konstruktivna struktura | Elektromehanička linearna osovina s kugličnim vretenom |
| Vrsta motora | Koračni motor Servomotor |
| Vreteno-tip | Kuglično vreteno |
| Varijante | Recommended for production facilities for the manufacture of lithium-ion batteries |
| Maks. ubrzanje | 15 m/s ² |
| Maks. brzina obrtanja | 3.000 1/min |
| Maks. brzina | 1 m/s |
| Tačnost ponavljanja | $\pm 0,02 \text{ mm}$ |
| Trajanje uključenosti | 100 % |
| PWIS conformity | VDMA24364 zone III |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 8 |
| Mehanička zaštita | IP20 |
| Temperatura okoline | 0 ... 50 °C |
| Konstantna ulazna sila | 1.045 N |
| Moment inercije 2. stepena ly | 1.411E+03 mm ⁴ |
| Moment inercije 2. stepena lz | 15.257E+03 mm ⁴ |
| No-load torque at maximum travel speed | 0,4 Nm |
| No-load torque at minimum travel speed | 0,14 Nm |
| Maks. sila Fy | 9.550 N |
| Maks. sila Fz | 11.370 N |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 35.183 N |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 41.887 N |
| Maks. moment Mx | 600 Nm |
| Maks. moment My | 560 Nm |
| Maks. moment Mz | 560 Nm |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 2.210 Nm |
| My with theoretical service life of 100 km (from a guide perspective only) | 2.063 Nm |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 2.063 Nm |
| Maks. radijalna sila na pogonskom vretenu | 290 N |
| Maks. Ulazna sila Fx | 1.045 N |
| Obrtni moment inercije lt | 726E+03 mm ⁴ |
| Moment inercije, JH po metru hoda | 0,9027 kgcm ² |
| Moment inercije, JL po kg korisnog tereta | 0,1013 kgcm ² |
| Moment inercije JO | 0,6342 kgcm ² |

| Svojstvo | Vrednost |
|--|---------------------------------------|
| Konstanta posmaka | 20 mm/U |
| Pokretna masa | 3.842 g |
| Težina proizvoda | 19.978 g |
| Osnovna težina kod hoda 0 mm | 9.601 g |
| Dodatna težine po 10 mm hoda | 188 g |
| Dynamic deflection (load moved) | 0.05% of the axis length, max. 0.5 mm |
| Static deflection (load at standstill) | 0.1% of the axis length |
| Interface code, actuator | T46 |
| Material of end caps | Die-cast aluminium, painted |
| Material of profile | Anodised wrought aluminium alloy |
| Materijal - napomena | RoHS komfornost |
| Material drive cover | Die-cast aluminium, painted |
| Material guide slide | Čelik |
| Material guide rail | Čelik |
| Material slide | Anodised wrought aluminium alloy |
| Material spindle nut | Čelik |
| Material spindle | Čelik |