

Osa vretena ELGT-BS-120-450-10P

Broj artikla: 8124454

FESTO



Tehnički podaci

| Svojstvo | Vrednost |
|--|--|
| Radni hod | 450 mm |
| Veličina | 120 |
| Rezerva hoda | 0 mm |
| Reverzibilni zazor | $\leq 0,15 \mu\text{m}$ |
| Prečnik vretena | 16 mm |
| Ušpon vretena | 10 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 | 0,5 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 | 1.265 N |
| Moment inercije 2. stepena Iy | 966E+03 mm ⁴ |
| Moment inercije 2. stepena Iz | 6.011E+03 mm ⁴ |
| No-load torque at maximum travel speed | 0,3 Nm |
| No-load torque at minimum travel speed | 0,08 Nm |
| Maks. sila Fy | 6.800 N |
| Maks. sila Fz | 8.090 N |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 25.051 N |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 29.804 N |
| Maks. moment Mx | 300 Nm |
| Maks. moment My | 310 Nm |
| Maks. moment Mz | 310 Nm |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 1.105 Nm |
| My with theoretical service life of 100 km (from a guide perspective only) | 1.142 Nm |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 1.142 Nm |
| Maks. radijalna sila na pogonskom vretenu | 290 N |
| Maks. Ulazna sila Fx | 1.265 N |
| Obrtni moment inercije It | 506E+03 mm ⁴ |
| Moment inercije, JH po metru hoda | 0,3453 kgcm ² |
| Moment inercije, JL po kg korisnog tereta | 0,0253 kgcm ² |
| Moment inercije JO | 0,1306 kgcm ² |

| Svojstvo | Vrednost |
|--|---------------------------------------|
| Konstanta posmaka | 10 mm/U |
| Pokretna masa | 2.019 g |
| Težina proizvoda | 10.831 g |
| Osnovna težina kod hoda 0 mm | 5.259 g |
| Dodatna težine po 10 mm hoda | 124 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 |