

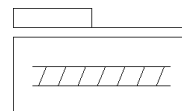
# Osa vretena ELGT-BS-90- -

Broj artikla: 8121224

FESTO



Prikaz primera



## Tehnički podaci

Ukupni list podataka - Pojedinačne vrednosti zavise od Vaše konfiguracije.

| Svojstvo   | Vrednost   |
|--|--|
| Radni hod  | 50 ... 1.000 mm  |
| Veličina   | 90   |
| Rezerva hoda   | 0 mm   |
| Reverzibilni zazor   | $\leq 0,15 \mu\text{m}$  |
| Prečnik vretena  | 15 ... 16 mm   |
| Ušpon vretena  | 10 ... 20 mm/U   |
| Položaj ugradnje   | proizvoljno  |
| Vođica   | Kuglično vođenje   |
| Konstruktivna struktura  | Elektromehanička linearna osovina s kugličnim vretenom                             |
| Vrsta motora   | Koračni motor<br>Servomotor  |
| Vreteno-tip  | Kuglično vreteno   |
| Varijante  | Recommended for production facilities for the manufacture of lithium-ion batteries |
| Maks. ubrzanje   | 15 m/s <sup>2</sup>  |
| Maks. brzina obrtanja  | 3.000 1/min  |
| Maks. brzina   | 0,5 ... 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 6  |
| Mehanička zaštita  | IP20   |
| Temperatura okoline  | 0 ... 50 °C  |
| Konstantna ulazna sila   | 810 ... 1.054 N  |
| Moment inercije 2. stepena ly  | 631E+03 mm <sup>4</sup>  |
| Moment inercije 2. stepena lz  | 1.948E+03 mm <sup>4</sup>  |
| No-load torque at maximum travel speed                                     | 0,2 ... 0,3 Nm   |
| No-load torque at minimum travel speed                                     | 0,04 ... 0,08 Nm   |
| Maks. sila Fy  | 4.710 N  |
| Maks. sila Fz  | 5.600 N  |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 17.352 N   |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 20.631 N   |
| Maks. moment Mx  | 65 Nm  |
| Maks. moment My  | 51 Nm  |
| Maks. moment Mz  | 51 Nm  |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 239 Nm   |
| My with theoretical service life of 100 km (from a guide perspective only) | 188 Nm   |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 188 Nm   |
| Maks. radijalna sila na pogonskom vretenu                                  | 290 N  |
| Maks. Ulazna sila Fx   | 810 ... 1.054 N  |
| Obrtni moment inercije lt  | 151E+03 mm <sup>4</sup>  |
| Moment inercije, JH po metru hoda  | 0,2522 ... 0,3453 kgcm <sup>2</sup>  |

| Svojstvo                                  | Vrednost                              |
|---|---------------------------------------|
| Moment inercije, JL po kg korisnog tereta | 0,0253 ... 0,1013 kgcm <sup>2</sup>   |
| Moment inercije JO                        | 0,1252 ... 0,2291 kgcm <sup>2</sup>   |
| Moment inercije JW za dodatni klizač      | 0,0358 ... 0,1435 kgcm <sup>2</sup>   |
| Konstanta posmaka                         | 10 ... 20 mm/U                        |
| Pokretna masa                             | 1.628 ... 1.645 g                     |
| Težina proizvoda                          | 4.865 ... 14.802 g                    |
| Težina dodatnog klizača                   | 1.416 g                               |
| Osnovna težina kod hoda 0 mm              | 4.353 ... 4.380 g                     |
| Dodatna težine po 10 mm hoda              | 104 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                                 |