## Spindle axis ELGT-BS-120-750-10P Part number: 8124460



## **Data sheet**

| Value   |
|---|
| 750 mm  |
| 120   |
| 0 mm  |
| <= 0.15 μm  |
| 16 mm   |
| 10 mm/U   |
| Any   |
| Recirculating ball bearing guide                                      |
| Electromechanical linear axis   |
| with recirculating ball bearing spindle                               |
| Stepper motor   |
| Servomotor  |
| Ball screw actuator   |
| Recommended for production facilities for the manufacture of lithium- |
| ion batteries   |
| 15 m/s2   |
| 3,000 1/min   |
| 0.5 m/s   |
| ±0,02 mm  |
| 100 %   |
| VDMA24364 zone III  |
| F1a   |
| ISO class 8   |
| IP20  |
| 0 50 °C   |
| 1,265 N   |
| 966E+03 mm4   |
| 6,011E+03 mm4   |
| 0.3 Nm  |
| 0.08 Nm   |
| 6,800 N   |
| 8,090 N   |
| 25,051 N  |
| 29,804 N  |
| 300 Nm  |
| 310 Nm  |
| 310 Nm  |
| 1,105 Nm  |
| 1,142 Nm  |
| 1,142 Nm  |
| 290 N   |
| 1,265 N   |
| 506E+03 mm4   |
| 0.3453 kgcm2  |
| 0.0253 kgcm2  |
| 0.1306 kgcm2  |
|   |





## FESTO

| Feature                                | Value                                 |  |
|--|---------------------------------------|--|
| Feed constant                          | 10 mm/U                               |  |
| Moving mass                            | 2,019 g                               |  |
| Product weight                         | 14,546 g                              |  |
| Basic weight for 0 mm stroke           | 5,259 g                               |  |
| Additional weight per 10 mm stroke     | 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      |  |
| Materials note                         | Conforms to RoHS                      |  |
| Material drive cover                   | Die-cast aluminium, painted           |  |
| Material guide slide                   | Steel                                 |  |
| Material guide rail                    | Steel                                 |  |
| Material slide                         | Anodised wrought aluminium alloy      |  |
| Material spindle nut                   | Steel                                 |  |
| Material spindle                       | Steel                                 |  |