

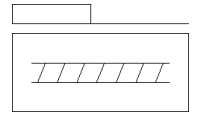
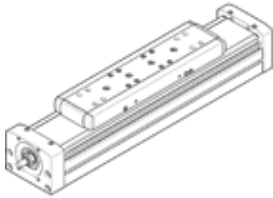
螺桿軸

ELGA-BS-KF-70-100-0H-10P-ML

料號: 8041816

FESTO

With recirculating ball bearing guide



技術參數

| 特性 | 值 |
|--|--------------------------|
| 工作行程 | 100 mm |
| 尺寸 | 70 |
| 備用行程 | 0 mm |
| 螺桿直徑 | 12 mm |
| 螺桿螺距 | 10 mm/U |
| 裝配位置 | 任何 |
| 導向 | 迴圈滾珠軸承導向 |
| 設計結構 | 機電式直線軸 具迴圈滾珠軸承螺桿 |
| 馬達類型 | 步進馬達 伺服馬達 |
| 螺桿類型 | 滾珠螺紋螺桿 |
| 測量方式: 位移編碼器 | 增量式 |
| 最大加速度 | 15 m/s ² |
| 最高速度 | 3,000 1/min 0.5 m/s |
| 重複精度 | ±0,02 mm |
| PWIS conformity | VDMA24364 zone III |
| 防護等級 | IP40 |
| 環境溫度 | -10 ... 60 °C |
| 轉動面積矩 2nd 度ly | 165E+03 mm ⁴ |
| 轉動面積矩 2nd 度lz | 472E+03 mm ⁴ |
| No-load torque at maximum travel speed | 0.24 Nm |
| No-load torque at minimum travel speed | 0.17 Nm |
| 最大輸出力Fy | 1,500 N |
| 最大輸出力Fz | 1,850 N |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 5,520 N |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 6,808 N |
| 最大扭矩Mx | 16 Nm |
| 最大扭矩My | 132 Nm |
| 最大扭矩Mz | 132 Nm |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 59 Nm |
| My with theoretical service life of 100 km (from a guide perspective only) | 486 Nm |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 486 Nm |
| 驅動軸的最大徑向力 | 220 N |
| 最大進給力 Fx | 650 N |
| 質量慣性扭矩 | 28.3E+03 mm ⁴ |
| 每公尺行程的質量慣性力矩JH | 0.142 kgcm ² |
| 每kg工作負荷的質量慣性力矩JL | 0.0253 kgcm ² |

| 特性 | 值 |
|--|---------------------------------------|
| 質量慣性力矩, JO | 0.038 kgcm ² |
| 恆定進給 | 10 mm/U |
| 運動質量 | 804 g |
| 額外滑塊重量 | 620 g |
| 每 10 mm 行程所增加的重量 | 33 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 |
| Material of end caps | 鍛造鋁合金 電鍍 |
| Material of profile | 鍛造鋁合金 電鍍 |
| 材料備註 | 符合 RoHS |
| Material drive cover | 鍛造鋁合金 電鍍 |
| Material guide slide | 鋼 |
| Material guide rail | 鋼 |
| Material slide | 鍛造鋁合金 電鍍 |
| Material spindle nut | 鋼 |
| Material spindle | 鋼 |