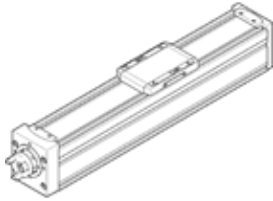


螺桿軸

ELGC-BS-KF-45-500-10P

料號: 8061488

FESTO



技術參數

| 特性 | 值 |
|--|-------------------------------------|
| 工作行程 | 500 mm |
| 尺寸 | 45 |
| 備用行程 | 0 mm |
| 反向空隙 | 0.15 mm |
| 螺桿直徑 | 10 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 | Ball screw |
| 位置檢測 | 用於近接感測器 用於電感式感測器 |
| 最大加速度 | 15 m/s ² |
| 最高速度 | 3,600 1/min 0.6 m/s |
| 重複精度 | ±0,015 mm |
| 循環功率 | 100 % |
| PWIS conformity | VDMA24364 zone III |
| RSBP classification to CD-0033 | F1a |
| 無塵室等級 | ISO class 7 |
| 防護等級 | IP40 |
| 環境溫度 | 0 ... 50 °C |
| 在端點位置的衝擊能量 | 0.5 mJ |
| Note on the impact energy it the end positions | At maximum homing speed of 0.01 m/s |
| 轉動面積矩 2nd 度ly | 140E+03 mm ⁴ |
| 轉動面積矩 2nd 度lz | 170E+03 mm ⁴ |
| No-load torque at maximum travel speed | 0.12 Nm |
| No-load torque at minimum travel speed | 0.032 Nm |
| 最大輸出力Fy | 300 N |
| 最大輸出力Fz | 600 N |
| Fy for the guide calculation for a service life of 5000 km or 5 million cycles | 880 N |
| Fz for the guide calculation for a service life of 5000 km or 5 million cycles | 880 N |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 3,240 N |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 3,240 N |
| 最大扭矩Mx | 5.5 Nm |
| 最大扭矩My | 4.7 Nm |
| 最大扭矩Mz | 4.7 Nm |
| Mx for the guide calculation for a service life of 5000 km or 5 million cycles | 5.5 Nm |

| 特性 | 值 |
|--|---------------------------------------|
| My for the guide calculation for a service life of 5000 km or 5 million cycles | 4.7 Nm |
| Mz for the guide calculation for a service life of 5000 km or 5 million cycles | 4.7 Nm |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 20 Nm |
| My with theoretical service life of 100 km (from a guide perspective only) | 17 Nm |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 17 Nm |
| Distance between the slide surface and the centre of the guide | 42.8 mm |
| 驅動軸的最大徑向力 | 180 N |
| 最大進給力 Fx | 100 N |
| 質量慣性扭矩 | 8.5E+03 mm ⁴ |
| 每公尺行程的質量慣性力矩JH | 0.05056 kgcm ² |
| 每kg工作負荷的質量慣性力矩JL | 0.02533 kgcm ² |
| 質量慣性力矩, JO | 0.0082 kgcm ² |
| 恆定進給 | 10 mm/U |
| 維修間隔 | 終身潤滑 |
| 運動質量 | 220 g |
| 每 10 mm 行程所增加的重量 | 36 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 | V32 |
| Material of end caps | Die-cast aluminium, painted |
| Material of profile | Anodised wrought aluminium alloy |
| 材料備註 | 符合 RoHS |
| Material cover tape | 高合金鋼, 耐腐蝕 |
| Material drive cover | Die-cast aluminium, painted |
| Material guide slide | 鋼 |
| Material guide rail | 鋼 |
| Material slide | 壓鑄鋁 |
| Material spindle nut | 鋼 |
| Material spindle | 鋼 |