

Spindle axis

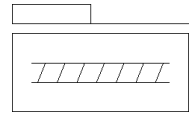
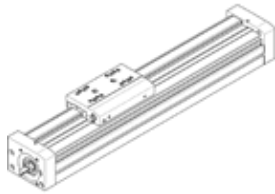
EGC-80-200-BS-20P-KF-0H-ML-GK

Part number: 3013540

★ Core product range

With recirculating ball bearing guide

FESTO



Data sheet

| Feature | Value |
|---|--|
| Working stroke | 200 mm |
| Size | 80 |
| Stroke reserve | 0 mm |
| Spindle diameter | 15 mm |
| Spindle pitch | 20 mm/U |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Electromechanical linear axis with recirculating ball bearing spindle |
| Motor type | Stepper motor Servomotor |
| Spindle type | Ball screw actuator |
| Max. acceleration | 15 m/s ² |
| Max. speed | 1 ... 1.5 m/s |
| Repetition accuracy | ±0,02 mm |
| Duty cycle | 100 % |
| PWIS conformity | VDMA24364-B2-L |
| Protection class | IP40 |
| Ambient temperature | -10 ... 60 °C |
| Area moment of inertia 2nd degree Ix | 981E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iy | 1,320E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iz | 981E+03 mm ⁴ |
| Max. force Fy | 3,050 N |
| Max. force Fz | 3,050 N |
| Max. torque Mx | 36 Nm |
| Max. radial force at drive shaft | 250 N |
| Max. feed force Fx | 650 N |
| Torsional mass moment of inertia It | 255E+03 mm ⁴ |
| Mass moment of inertia JH per meter of stroke | 0.346 kgcm ² |
| Feed constant | 20 mm/U |
| Material of end caps | Wrought Aluminum alloy Anodized |
| Material of moment compensator | Wrought Aluminum alloy Anodized |
| Material of profile | Wrought Aluminum alloy Anodized |
| Materials note | Conforms to RoHS |
| Material drive cover | Wrought Aluminum alloy Anodized |
| Material guide slide | Steel |
| Material guide rail | Steel |
| Material slide | Wrought Aluminum alloy Anodized |
| Material spindle nut | Steel |
| Material spindle | Steel |