

Mini slide EGSL-BS-45-100-10P

Part number: 559335

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|-------------------------------------|---|
| Working stroke | 100 mm |
| Size | 45 |
| Run. parallelism along Z-axis | 0.04 mm |
| Parallelism | 0.05 mm |
| Reversing backlash | ≤50 µm |
| Screw diameter | 10 mm |
| Spindle pitch | 10 mm/U |
| Mounting position | Any |
| Guide | Ball bearing cage guide |
| Structural design | Electrical mini-slide Guide with ball screw drive |
| Motor type | Stepper motor Servo motor |
| Spindle type | Ball screw drive |
| Symbol | 00992069 |
| Position sensing | For proximity sensor |
| Max. acceleration | 25 m/s ² |
| Max. speed | 1 m/s |
| Repetition accuracy | ±0.015 mm |
| Duty cycle | 100% |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Noise level | 60 dB(A) |
| Degree of protection | IP40 |
| Ambient temperature | 0 °C ... 60 °C |
| Continuous feed force | 100 N |
| Max. driving torque | 0.415 Nm |
| Max. force F _y | 631 N |
| Max. force F _z | 631 N |
| Max. torque M _x | 18.6 Nm |
| Max. torque M _y | 16.3 Nm |
| Max. torque M _z | 16.3 Nm |
| Max. radial force on actuator shaft | 120 N |
| Max. feed force F _x | 150 N |
| No-load driving torque | 0.08 Nm |

| Feature | Value |
|---|---|
| Guide value for payload, horizontal | 6 kg |
| Guide value for payload, vertical | 6 kg |
| Mass moment of inertia JL per kg of payload | 0.0253 kgcm ² |
| Mass moment of inertia JO | 0.0614 kgcm ² |
| Feed constant | 10 mm/U |
| Maintenance interval | Life-time lubrication |
| Moving mass | 670 g |
| Product weight | 1570 g |
| Type of mounting | With internal thread With centering sleeve With accessories |
| Note on materials | RoHS-compliant |
| Cover material | Cast aluminum Painted |
| Guide rail material | Roller bearing steel |
| Housing material | Wrought aluminum alloy Anodized |
| Material of yoke plate | Wrought aluminum alloy Anodized |
| Spindle nut material | Roller bearing steel |
| Spindle material | Roller bearing steel |