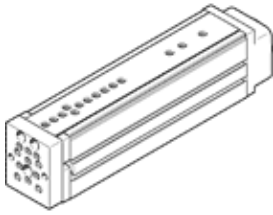


Mini slide

EGSL-BS-55-100-12.7P

Part number: 559337

FESTO



Data sheet

| Feature | Value |
|--|--|
| Working stroke | 100 mm |
| Size | 55 |
| Parallel running in the z-direction | 0.04 mm |
| Parallelism | 0.05 mm |
| Reversing backlash | ≤ 50 μm |
| Spindle diameter | 12.7 mm |
| Spindle pitch | 12.7 mm/U |
| Assembly position | Any |
| Guide | Ball bearing cage guide |
| Design structure | Electric mini slide Guide With ball screw |
| Motor type | Stepper motor Servomotor |
| Spindle type | Ball screw |
| Position detection | For proximity sensor |
| Max. acceleration | 25 m/s ² |
| Max. speed | 1 m/s |
| Repetition accuracy | ±0,015 mm |
| Duty cycle | 100 % |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| Sound pressure level | 65 dB(A) |
| Protection class | IP40 |
| Ambient temperature | 0 ... 60 °C |
| Permanent feed force | 200 N |
| Max. drive torque | 1.25 Nm |
| Max. force F _y | 1,047 N |
| Max. force F _z | 1,047 N |
| Max. torque M _x | 33.1 Nm |
| Max. torque M _y | 31 Nm |
| Max. torque M _z | 31 Nm |
| Max. radial force at drive shaft | 260 N |
| Max. feed force F _x | 300 N |
| No-load driving torque | 0.13 Nm |
| Reference value for working load, horizontal | 10 kg |
| Reference value for working load, vertical | 10 kg |
| Mass moment of inertia J _L per kg of working load | 0.0409 kgcm ² |
| Mass moment of inertia, J _O | 0.1827 kgcm ² |
| Feed constant | 12.7 mm/U |
| Maintenance interval | Life-time lubrication |
| Moving mass | 1,150 g |
| Product weight | 2,550 g |
| Mounting type | with internal (female) thread with centering sleeve with accessories |

| Feature | Value |
|----------------------|------------------------------------|
| Materials note | Conforms to RoHS |
| Material cover | Aluminum casting Painted |
| Material guide rail | Roller bearing steel |
| Material housing | Wrought Aluminum alloy Anodized |
| Material yoke plate | Wrought Aluminum alloy Anodized |
| Material spindle nut | Roller bearing steel |
| Material spindle | Roller bearing steel |