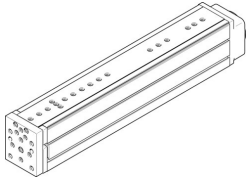


Mini slide EGSL-BS-75-300-20P

Part number: 559342

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|--|------------------------------|
| Working stroke | 300 mm |
| Size | 75 |
| Running parallelism along Z-axis | 0.12 mm |
| Parallelism | 0.15 mm |
| Reversing backlash theoretical | ≤50 μm |
| Spindle diameter | 20 mm |
| Spindle pitch | 20 mm/U |
| Mounting position | optional |
| Guide | Ball bearing cage guide |
| Design | With ball screw drive |
| Type of motor | Stepper motor Servo motor |
| Spindle type | Ball screw drive |
| Symbol | 00992069 |
| Position detection | Via proximity switch |
| Max. acceleration | 25 m/s ² |
| Max. speed | 1.3 m/s |
| Repetition accuracy | ±0.015 mm |
| Duty cycle | 100% |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Sound pressure level | 65 dB(A) |
| Degree of protection | IP40 |
| Ambient temperature | 0 °C ... 60 °C |
| Continuous feed force | 300 N |
| Max. drive torque | 2.231 Nm |
| Max. force F _y | 555 N |
| Max. force F _z | 555 N |
| Max. moment M _x | 46.4 Nm |
| Max. moment M _y | 36.5 Nm |
| Max. moment M _z | 36.5 Nm |
| Max. radial force at drive shaft | 300 N |
| Max. feed force F _x | 450 N |
| Frictional torque independent of load | 0.155 Nm |
| Reference value effective load, horizontal | 14 kg |
| Reference value effective load, vertical | 14 kg |

| Feature | Value |
|--|--|
| Mass moment of inertia JL per kg of working load | 0.1013 kgcm ² |
| Mass moment of inertia JO | 1.3459 kgcm ² |
| Feed constant | 20 mm/U |
| Maintenance interval | Life-time lubrication |
| Moving mass | 3440 g |
| Product weight | 8050 g |
| Type of mounting | Via female thread Via centring sleeve With accessories |
| Note on materials | RoHS-compliant |
| Material cover | Die-cast aluminium Painted |
| Material guide rail | Rolled steel |
| Material housing | Anodised |
| Material yoke plate | Wrought aluminium alloy Anodised |
| Material ball screw nut | Rolled steel |
| Material spindle | Rolled steel |