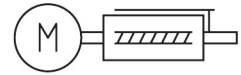
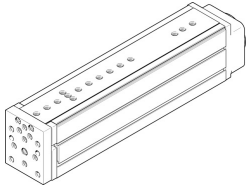


# Mini slide EGSL-BS-75-200-20P

Part number: 559341

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                               | Value                                                    |
|---------------------------------------|----------------------------------------------------------|
| Working stroke                        | 200 mm                                                   |
| Size                                  | 75                                                       |
| Running parallelism along Z-axis      | 0.08 mm                                                  |
| Parallelism                           | 0.1 mm                                                   |
| Reversing backlash theoretical        | ≤50 µm                                                   |
| Spindle diameter                      | 20 mm                                                    |
| Spindle pitch                         | 20 mm/U                                                  |
| Mounting position                     | optional                                                 |
| Guide                                 | Ball bearing cage guide                                  |
| Design                                | Electric mini slide<br>Guidance<br>With ball screw drive |
| Type of motor                         | Stepper motor<br>Servo motor                             |
| Spindle type                          | Ball screw drive                                         |
| Symbol                                | 00992069                                                 |
| Position detection                    | Via proximity switch                                     |
| Max. acceleration                     | 25 m/s <sup>2</sup>                                      |
| 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 <sub>y</sub>             | 714 N                                                    |
| Max. force F <sub>z</sub>             | 714 N                                                    |
| Max. moment M <sub>x</sub>            | 48.5 Nm                                                  |
| Max. moment M <sub>y</sub>            | 33.8 Nm                                                  |
| Max. moment M <sub>z</sub>            | 33.8 Nm                                                  |
| Max. radial force at drive shaft      | 300 N                                                    |
| Max. feed force F <sub>x</sub>        | 450 N                                                    |
| Frictional torque independent of load | 0.155 Nm                                                 |

| Feature                                          | Value                                                        |
|--------------------------------------------------|--------------------------------------------------------------|
| Reference value effective load, horizontal       | 14 kg                                                        |
| Reference value effective load, vertical         | 14 kg                                                        |
| Mass moment of inertia JL per kg of working load | 0.1013 kgcm <sup>2</sup>                                     |
| Mass moment of inertia JO                        | 1.1945 kgcm <sup>2</sup>                                     |
| Feed constant                                    | 20 mm/U                                                      |
| Maintenance interval                             | Life-time lubrication                                        |
| Moving mass                                      | 2850 g                                                       |
| Product weight                                   | 6520 g                                                       |
| Type of mounting                                 | Via female thread<br>Via centring sleeve<br>With accessories |
| Note on materials                                | RoHS-compliant                                               |
| Material cover                                   | Die-cast aluminium<br>Painted                                |
| Material guide rail                              | Rolled steel                                                 |
| Material housing                                 | Anodised                                                     |
| Material yoke plate                              | Wrought aluminium alloy<br>Anodised                          |
| Material spindle nut                             | Rolled steel                                                 |
| Material spindle                                 | Rolled steel                                                 |