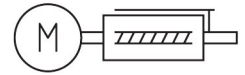
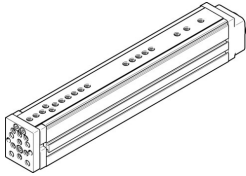


# Mini slide

## EGSL-BS-45-200-10P

Part number: 559336

FESTO



## Data sheet

| Feature                          | Value                                             |
|----------------------------------|---------------------------------------------------|
| Working stroke                   | 200 mm                                            |
| Size                             | 45                                                |
| Run. parallelism along Z-axis    | 0.08 mm                                           |
| Parallelism                      | 0.1 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<br>Guide<br>With ball screw |
| Motor type                       | Stepper motor<br>Servo motor                      |
| Spindle type                     | Ball screw                                        |
| Position sensing                 | Via proximity switch                              |
| Max. acceleration                | 25 m/s <sup>2</sup>                               |
| 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 <sub>y</sub>        | 291 N                                             |
| Max. force F <sub>z</sub>        | 291 N                                             |
| Max. torque M <sub>x</sub>       | 14.3 Nm                                           |
| Max. torque M <sub>y</sub>       | 12.3 Nm                                           |
| Max. torque M <sub>z</sub>       | 12.3 Nm                                           |

| Feature                                     | Value                                                             |
|---------------------------------------------|-------------------------------------------------------------------|
| Max. radial force on actuator shaft         | 120 N                                                             |
| Max. feed force Fx                          | 150 N                                                             |
| No-load driving torque                      | 0.08 Nm                                                           |
| 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 <sup>2</sup>                                          |
| Mass moment of inertia JO                   | 0.0731 kgcm <sup>2</sup>                                          |
| Feed constant                               | 10 mm/U                                                           |
| Maintenance interval                        | Lifetime lubrication                                              |
| Moving mass                                 | 940 g                                                             |
| Product weight                              | 2190 g                                                            |
| Type of mounting                            | With internal thread<br>With centering sleeve<br>With accessories |
| Note on materials                           | RoHS compliant                                                    |
| Cover material                              | Cast aluminum<br>Painted                                          |
| Guide rail material                         | Bearing steel                                                     |
| Housing material                            | Wrought aluminum alloy<br>Anodized                                |
| Material of yoke plate                      | Wrought aluminum alloy<br>Anodized                                |
| Ball screw nut material                     | Bearing steel                                                     |
| Spindle material                            | Bearing steel                                                     |