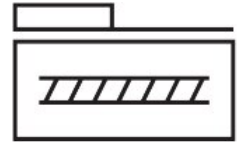


# Electric linear slide EGSK-33-500-10P

Part number: 562782

FESTO



## Data sheet

| Feature                                        | Value                                            |
|------------------------------------------------|--------------------------------------------------|
| Working stroke                                 | 500 mm                                           |
| Size                                           | 33                                               |
| Reversing backlash                             | 20 µm                                            |
| Screw diameter                                 | 10 mm                                            |
| Spindle pitch                                  | 10 mm/U                                          |
| Mounting position                              | Any                                              |
| Guide                                          | Recirculating ball bearing                       |
| Structural design                              | Electromechanical linear axis<br>With ball screw |
| Homing                                         | Reference switch                                 |
| Spindle type                                   | Ball screw                                       |
| Max. acceleration                              | 20 m/s <sup>2</sup>                              |
| Max. speed                                     | 0.79 m/s                                         |
| Repetition accuracy                            | ±0.01 mm                                         |
| Corrosion resistance class (CRC)               | 0 - No corrosion stress                          |
| LABS (PWIS) conformity                         | VDMA24364 Zone III                               |
| Degree of protection                           | IP10                                             |
| Ambient temperature                            | 0 °C...40 °C                                     |
| Fixed bearing dynamic basic load rating        | 1790 N                                           |
| Linear guide dynamic basic load rating         | 9207 N                                           |
| Dynamic basic load rating, ball screw drive    | 1760 N                                           |
| 2nd moment of area Iy                          | 62000 mm <sup>4</sup>                            |
| 2nd moment of area Iz                          | 380000 mm <sup>4</sup>                           |
| Max. driving torque                            | 0.24 Nm                                          |
| Max. force Fy                                  | 2083 N                                           |
| Max. force Fz                                  | 2083 N                                           |
| Max. torque Mx                                 | 42.2 Nm                                          |
| Max. torque My                                 | 13.8 Nm                                          |
| Max. torque Mz                                 | 13.8 Nm                                          |
| Max. feed force Fx                             | 148 N                                            |
| No-load driving torque                         | 0.07 Nm                                          |
| Ball screw drive statistical basic load rating | 2840 N                                           |

| Feature                                       | Value                              |
|-----------------------------------------------|------------------------------------|
| Linear guide statistical basic load rating    | 20200 N                            |
| Mass moment of inertia JH per meter of stroke | 0.0771 kgcm <sup>2</sup>           |
| Mass moment of inertia JO                     | 0.0166 kgcm <sup>2</sup>           |
| Feed constant                                 | 10 mm/U                            |
| Statistical fixed bearing load rating         | 2590 N                             |
| Reference service life                        | 5000 km                            |
| Moving mass                                   | 310 g                              |
| Slide weight                                  | 310 g                              |
| Product weight                                | 4530 g                             |
| Additional slide weight                       | 310 g                              |
| Basic weight with 0 mm stroke                 | 1380 g                             |
| Additional weight per 10 mm stroke            | 63 g                               |
| Type of mounting                              | With internal thread and dowel pin |
| Material of end caps                          | Die-cast aluminum<br>Coated        |
| Profile material                              | Coated<br>High-alloy steel         |
| Note on materials                             | RoHS compliant                     |
| Drive cover material                          | Die-cast aluminum<br>Coated        |
| Slide material                                | Steel                              |
| Ball screw nut material                       | Steel                              |
| Spindle material                              | Steel                              |