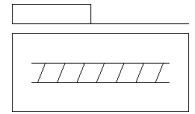
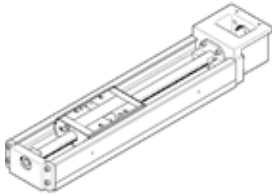


# Electrical slide EGSK-46-800-20P

Part number: 562795

FESTO

With recirculating ball bearing guide



## Data sheet

| Feature  | Value  |
|--|--|
| Working stroke                                 | 800 mm   |
| Size   | 46   |
| Reversing backlash                             | $\leq 20 \mu\text{m}$                            |
| Spindle diameter                               | 15 mm  |
| Spindle pitch                                  | 20 mm/U  |
| Assembly position                              | Any  |
| Guide  | Recirculating ball bearing guide                 |
| Design structure                               | Electromechanical linear axis<br>With ball screw |
| Referencing                                    | Reference switch                                 |
| Spindle type                                   | Ball screw                                       |
| Max. acceleration                              | 20 m/s <sup>2</sup>                              |
| Max. speed                                     | 1.05 m/s   |
| Repetition accuracy                            | $\pm 0,01 \text{ mm}$                            |
| Corrosion resistance classification CRC        | 0 - No corrosion stress                          |
| PWIS conformity                                | VDMA24364 zone III                               |
| Protection class                               | IP10   |
| Ambient temperature                            | 0 ... 40 °C                                      |
| Fixed bearing dynamic basic load rating        | 6,600 N  |
| Linear guide dynamic basic load rating         | 21,747 N   |
| Ball screw drive dynamic basic load rating     | 3,040 N  |
| Area moment of inertia 2nd degree Iy           | 240E+03 mm <sup>4</sup>                          |
| Area moment of inertia 2nd degree Iz           | 1,500E+03 mm <sup>4</sup>                        |
| Max. drive torque                              | 0.61 Nm  |
| Max. force Fy                                  | 3,904 N  |
| Max. force Fz                                  | 3,904 N  |
| Max. torque Mx                                 | 115 Nm   |
| Max. torque My                                 | 38.7 Nm  |
| Max. torque Mz                                 | 38.7 Nm  |
| Max. feed force Fx                             | 192 N  |
| No-load driving torque                         | 0.1 Nm   |
| Ball screw drive statistical basic load rating | 7,150 N  |
| Linear guide statistical basic load rating     | 45,500 N   |
| Mass moment of inertia JH per meter of stroke  | 0.39 kgcm <sup>2</sup>                           |
| Mass moment of inertia, JO                     | 0.154 kgcm <sup>2</sup>                          |
| Feed constant                                  | 20 mm/U  |
| Fixed bearing statistical basic load rating    | 3,240 N  |
| Reference value, running performance           | 10,000 km  |
| Moving mass                                    | 910 g  |
| Slide weight                                   | 910 g  |
| Product weight                                 | 15,330 g   |
| Additional slide weight                        | 910 g  |
| Basic weight for 0 mm stroke                   | 5,170 g  |
| Additional weight per 10 mm stroke             | 127 g  |

| Feature              | Value                              |
|----------------------|------------------------------------|
| Mounting type        | With internal thread and dowel pin |
| Material of end caps | Aluminum die cast coated           |
| Material of profile  | coated<br>High alloy steel         |
| Materials note       | Conforms to RoHS                   |
| Material drive cover | Aluminum die cast coated           |
| Material slide       | Steel                              |
| Material spindle nut | Steel                              |
| Material spindle     | Steel                              |