

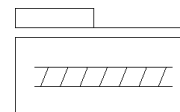
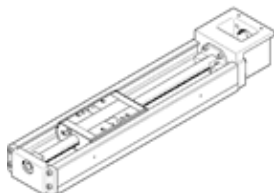
electric slide

EGSK-46-300-10P

Part number: 562785

FESTO

With recirculating ball bearing guide



Data sheet

| Feature | Value |
|--|--|
| Working stroke | 300 mm |
| Size | 46 |
| Reversing backlash | $\leq 20 \mu\text{m}$ |
| Spindle diameter | 15 mm |
| Spindle pitch | 10 mm/U |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Electromechanical linear axis With ball screw |
| Referencing | Reference switch |
| Spindle type | Ball screw |
| Max. acceleration | 20 m/s ² |
| Max. speed | 0.52 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 | 3,140 N |
| Area moment of inertia 2nd degree Iy | 240E+03 mm ⁴ |
| Area moment of inertia 2nd degree Iz | 1,500E+03 mm ⁴ |
| Max. drive torque | 0.42 Nm |
| Max. force Fy | 4,919 N |
| Max. force Fz | 4,919 N |
| Max. torque Mx | 145 Nm |
| Max. torque My | 48.7 Nm |
| Max. torque Mz | 48.7 Nm |
| Max. feed force Fx | 264 N |
| No-load driving torque | 0.1 Nm |
| Ball screw drive statistical basic load rating | 6,760 N |
| Linear guide statistical basic load rating | 45,500 N |
| Mass moment of inertia JH per metre of stroke | 0.39 kgcm ² |
| Mass moment of inertia, JO | 0.0847 kgcm ² |
| Feed constant | 10 mm/U |
| Fixed bearing statistical basic load rating | 3,240 N |
| Reference value, running performance | 5,000 km |
| Moving mass | 910 g |
| Slide weight | 910 g |
| Product weight | 8,980 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 | Aluminium die cast coated |
| Material of profile | coated High alloy steel |
| Materials note | Conforms to RoHS |
| Material drive cover | Aluminium die cast coated |
| Material slide | Steel |
| Material spindle nut | Steel |
| Material spindle | Steel |