

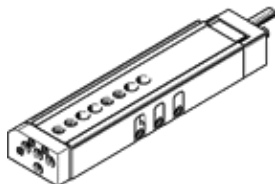
Mini slide DGSL-8-80-P1A

Part number: 543937

★ Core product range

FESTO

For position sensing, with highly accurate, durable ball-cage guide and very high repetition accuracy, flexible damping on both sides with metallic end position (P1).



Data sheet

| Feature | values |
|--|---|
| Stroke | 80 mm |
| Adjustable end position range/front length | 51.5 mm |
| Adjustable end position range/rear length | 18.5 mm |
| Piston diameter | 10 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | P1: Flexible cushioning rings/plates with stop at both ends |
| Assembly position | Any |
| Guide | Ball bearing cage guide |
| Design structure | Yoke kinematics |
| Position detection | For proximity sensor |
| Working pressure | 1.5 ... 8 bar |
| Max. speed | 0.8 m/s |
| Repetition accuracy | ±0,01 mm |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 0 |
| Ambient temperature | 0 ... 60 °C |
| Impact energy in end positions | 0.03 Nm |
| Cushioning length | 3.1 mm |
| Max. force Fy | 971 N |
| Max. force Fz | 971 N |
| Max. torque Mx | 10 Nm |
| Max. torque My | 8 Nm |
| Max. torque Mz | 8 Nm |
| Theoretical force at 6 bar, return stroke | 40 N |
| Theoretical force at 6 bar, advance stroke | 47 N |
| Moving mass | 185 g |
| Product weight | 464 g |
| alternative connections | See product drawing |
| Mounting type | with through hole |
| Pneumatic connection | M3 |
| Materials note | Free of copper and PTFE Conforms to RoHS |
| Materials information for cover | Wrought Aluminum alloy |
| Materials information for seals | HNBR |
| Materials information, housing | Wrought Aluminum alloy |
| Materials information for piston rod | High alloy steel, non-corrosive |