

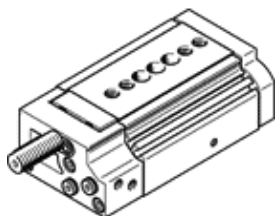
mini slide

DGSL-12-20-P1A

Part number: 543970

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 | Value |
|--|---|
| Stroke | 20 mm |
| Adjustable endposition range/front length | 29 mm |
| Adjustable endposition range/rear length | 25.5 mm |
| Piston diameter | 16 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 Piston Piston rod Slide |
| Position detection | For proximity sensor |
| Operating pressure | 1 ... 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 - No corrosion stress |
| Ambient temperature | 0 ... 60 °C |
| Impact energy in end positions | 0.06 Nm |
| Cushioning length | 3.7 mm |
| Max. force Fy | 1,006 N |
| Max. force Fz | 1,006 N |
| Max. torque Mx | 15 Nm |
| Max. torque My | 9 Nm |
| Max. torque Mz | 9 Nm |
| Theoretical force at 6 bar, return stroke | 104 N |
| Theoretical force at 6 bar, advance stroke | 121 N |
| Moving mass | 279 g |
| Product weight | 700 g |
| alternative connections | See product drawing |
| Mounting type | with through hole |
| Pneumatic connection | M5 |
| Materials note | Free of copper and PTFE Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |