

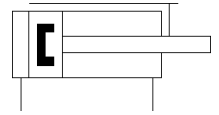
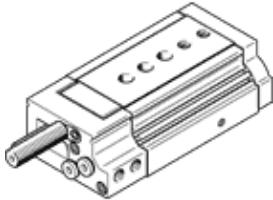
mini slide

DGSL-20-40-P1A

Part number: 544017



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 | 40 mm |
| Adjustable endposition range/front length | 50.5 mm |
| Adjustable endposition range/rear length | 49.5 mm |
| Piston diameter | 25 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 MPa | 0.1 ... 0.8 MPa |
| 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 |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | 0 ... 60 °C |
| Impact energy in end positions | 0.2 Nm |
| Cushioning length | 5 mm |
| Max. force F _y | 3,612 N |
| Max. force F _z | 3,612 N |
| Max. torque M _x | 60 Nm |
| Max. torque M _y | 40 Nm |
| Max. torque M _z | 40 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 247 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 295 N |
| Moving mass | 801 g |
| Product weight | 2,011 g |
| alternative connections | See product drawing |
| Mounting type | with through hole |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |