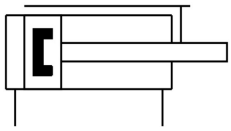
# Mini slide
# DGSL-20-80-P1A

Part number: 544019

FESTO





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 80 mm |
| Adjustable end-position range/front length | 50.5 mm |
| Adjustable end-position range/rear length | 49.5 mm |
| Piston diameter | 25 mm |
| Type code | DGSL |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends with fixed stop |
| Mounting position | Any |
| Guide | Ball bearing cage guide |
| Design | Piston rod<br>Slide<br>Yoke<br>Piston |
| Position sensing | For proximity sensor |
| Symbol | 00991263 |
| Operating pressure | 1 bar ... 8 bar |
| Max. speed | 0.8 m/s |
| Repetition accuracy | ±0.01 mm |
| Mode of operation | Double-acting |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| Ambient temperature | 0 °C ... 60 °C |
| Impact energy in the end positions | 0.2 J |
| Cushioning length | 5 mm |
| Max. force Fy | 4032 N |
| Max. force Fz | 4032 N |
| Max. torque Mx | 75 Nm |
| Max. torque My | 50 Nm |
| Max. torque Mz | 50 Nm |
| Theoretical force at 6 bar, retracting | 247 N |
| Theoretical force at 6 bar, advancing | 295 N |
| Moving mass | 998 g |
| Product weight | 2449 g |
| Alternative connections | See product drawing |
| Type of mounting | With through-hole |

| Feature | Value |
|---|---|
| Pneumatic connection | G1/8 |
| Note on materials | Free of copper and PTFE<br>RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | HNBR |
| Housing material | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |