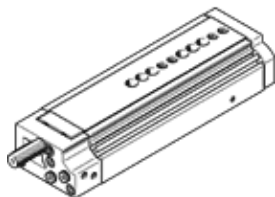


# mini slide DGSL-16-80-EA

Part number: 570192

FESTO



## Data sheet

| Feature                                    | Value                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                     | 80 mm                                                                       |
| Adjustable endposition range/front length  | 38.5 mm                                                                     |
| Adjustable endposition range/rear length   | 5.5 mm                                                                      |
| Piston diameter                            | 20 mm                                                                       |
| Operating mode of drive unit               | Yoke                                                                        |
| Cushioning                                 | Short elastic cushioning rings/pads at both ends                            |
| Assembly position                          | Any                                                                         |
| Guide                                      | Ball bearing cage guide                                                     |
| Design structure                           | Yoke<br>Piston<br>Piston rod<br>Slide                                       |
| Position detection                         | For proximity sensor                                                        |
| Operating pressure                         | 1 ... 8 bar                                                                 |
| Max. speed                                 | 0.8 m/s                                                                     |
| Repetition accuracy                        | 0,3 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             | 0.35 Nm                                                                     |
| Cushioning length                          | 1.2 mm                                                                      |
| Max. force Fy                              | 2,800 N                                                                     |
| Max. force Fz                              | 2,800 N                                                                     |
| Max. torque Mx                             | 50 Nm                                                                       |
| Max. torque My                             | 27 Nm                                                                       |
| Max. torque Mz                             | 27 Nm                                                                       |
| Theoretical force at 6 bar, return stroke  | 158 N                                                                       |
| Theoretical force at 6 bar, advance stroke | 188 N                                                                       |
| Moving mass                                | 618 g                                                                       |
| Product weight                             | 1,395 g                                                                     |
| alternative connections                    | See product drawing                                                         |
| Mounting type                              | with through hole                                                           |
| Pneumatic connection                       | M5                                                                          |
| Materials note                             | Free of copper and PTFE<br>Conforms to RoHS                                 |
| Material cover                             | Wrought Aluminium alloy                                                     |
| Material seals                             | HNBR                                                                        |
| Material housing                           | Wrought Aluminium alloy                                                     |
| Material piston rod                        | High alloy steel, non-corrosive                                             |