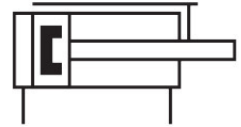


# Mini slide DGSL-20-150-EA

Part number: 570202

FESTO



## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 150 mm   |
| Adjustable end-position range/front length | 50.5 mm  |
| Adjustable end-position range/rear length  | 5.5 mm   |
| Piston diameter                            | 25 mm  |
| Drive unit operating mode                  | Yoke   |
| Cushioning                                 | Short elastic cushioning rings/pads at both ends                   |
| Mounting position                          | Any  |
| Guide                                      | Ball bearing cage guide  |
| Structural design                          | Yoke<br>Piston<br>Piston rod<br>Slide                              |
| Position sensing                           | For proximity sensor   |
| Operating pressure                         | 0.1 MPa...0.8 MPa<br>1 bar...8 bar                                 |
| Max. speed                                 | 0.8 m/s  |
| Repetition accuracy                        | 0.3 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  |
| LABS (PWIS) conformity                     | VDMA24364-B1/B2-L  |
| Cleanroom class                            | Class 7 according to ISO 14644-1                                   |
| Ambient temperature                        | 0 °C...60 °C   |
| Impact energy in the end positions         | 0.45 Nm  |
| Cushioning length                          | 1.2 mm   |
| Max. force F <sub>y</sub>                  | 4400 N   |
| Max. force F <sub>z</sub>                  | 4400 N   |
| Max. torque M <sub>x</sub>                 | 90 Nm  |
| Max. torque M <sub>y</sub>                 | 80 Nm  |
| Max. torque M <sub>z</sub>                 | 80 Nm  |
| Theoretical force at 6 bar, retracting     | 247 N  |

| <b>Feature</b>                        | <b>Value</b>               |
|---------------------------------------|----------------------------|
| Theoretical force at 6 bar, advancing | 295 N                      |
| Moving mass                           | 1566 g                     |
| Product weight                        | 3682 g                     |
| Alternative connections               | See product drawing        |
| Type of mounting                      | With through-hole          |
| Pneumatic connection                  | G1/8                       |
| Note on materials                     | RoHS-compliant             |
| Cover material                        | Wrought aluminum alloy     |
| Seals material                        | HNBR                       |
| Housing material                      | Wrought aluminum alloy     |
| Piston rod material                   | High-alloy stainless steel |