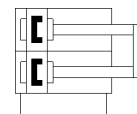
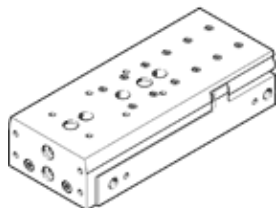


# mini slide

## DGST-16-125-Y12A

Part number: 8085181

FESTO



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 125 mm  |
| Adjustable endposition range/front length  | 15.9 mm   |
| Adjustable endposition range/rear length   | 16.2 mm   |
| Piston diameter                            | 16 mm   |
| Operating mode of drive unit               | Yoke  |
| Cushioning                                 | Y12: external hydraulic cushioning  |
| Assembly position                          | Any   |
| Guide                                      | Recirculating ball bearing guide  |
| Design structure                           | twin piston<br>Yoke<br>Piston rod<br>Slide                                  |
| Position detection                         | For proximity sensor  |
| Operating pressure                         | 1 ... 8 bar   |
| Max. speed                                 | 0.5 m/s   |
| Repetition accuracy                        | ≤ 0,02 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    | 1 - Low corrosion stress  |
| Ambient temperature                        | -10 ... 60 °C   |
| Impact energy in end positions             | 0.85 Nm   |
| Cushioning length                          | 5 mm  |
| Max. force Fy                              | 960 N   |
| Max. force Fz                              | 960 N   |
| Max. torque Mx                             | 14 Nm   |
| Max. torque My                             | 15 Nm   |
| Max. torque Mz                             | 15 Nm   |
| Theoretical force at 6 bar, return stroke  | 207 N   |
| Theoretical force at 6 bar, advance stroke | 241 N   |
| Moving mass                                | 670 g   |
| Product weight                             | 1,360 g   |
| 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 of guide                          | POM<br>TPE-E<br>High alloy steel  |
| Material housing                           | Wrought Aluminium alloy   |
| Material piston rod                        | High alloy steel, non-corrosive   |