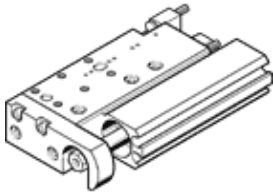


# mini slide SLF-10-30-P-A

Part number: 170508

FESTO

Flat design with precision ball-bearing guide and adjustable end stops.



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 30 mm   |
| Adjustable end-position range/length       | 5 mm  |
| Piston diameter                            | 10 mm   |
| Operating mode of drive unit               | Yoke  |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                          | Any   |
| Guide                                      | Ball bearing cage guide   |
| Design structure                           | Yoke<br>Piston<br>Piston rod<br>Ball cage guide<br>Slide                    |
| Position detection                         | For proximity sensor  |
| Operating pressure                         | 1 ... 10 bar  |
| 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                        | -20 ... 60 °C   |
| Impact energy in end positions             | 0.05 Nm   |
| Max. force F <sub>y</sub>                  | 130 N   |
| Max. force F <sub>z</sub>                  | 130 N   |
| Max. torque M <sub>x</sub>                 | 1.1 Nm  |
| Max. torque M <sub>y</sub>                 | 1.1 Nm  |
| Max. torque M <sub>z</sub>                 | 0.7 Nm  |
| Theoretical force at 6 bar, return stroke  | 40 N  |
| Theoretical force at 6 bar, advance stroke | 47 N  |
| Moving mass                                | 58 g  |
| Basic weight for 0 mm stroke               | 171 g   |
| Product weight                             | 130 g   |
| alternative connections                    | See product drawing   |
| Mounting type                              | with through hole   |
| Pneumatic connection                       | M5  |
| Materials note                             | Free of copper and PTFE   |
| Material cover                             | Wrought Aluminium alloy   |
| Material seals                             | HNBR  |
| Material housing                           | Wrought Aluminium alloy   |
| Material piston rod                        | High alloy steel, non-corrosive   |