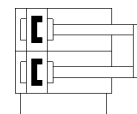
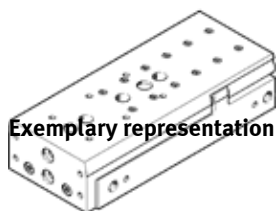


mini slide

DGST-10- -

Part number: 8073893

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|--|
| Stroke | 10 ... 100 mm |
| Adjustable endposition range/front length | 5.55 ... 16.7 mm |
| Adjustable endposition range/rear length | 6.3 ... 15.1 mm |
| Piston diameter | 10 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | Short elastic cushioning rings/pads at both ends Elastomer cushioning, at both ends, stroke not adjustable P: Flexible cushioning rings/plates at both ends P1: Flexible cushioning rings/plates with stop at both ends Y12: external hydraulic cushioning |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | twin piston Yoke Piston rod Slide |
| Position detection | For proximity sensor |
| Variants | Recommended for production facilities for the manufacture of lithium-ion batteries |
| Operating pressure MPa | 0.1 ... 0.8 MPa |
| Operating pressure | 1 ... 8 bar 14.5 ... 116 psi |
| Max. speed | 0.5 ... 0.8 m/s |
| Repetition accuracy | ≤ 0,3 mm ≤ 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 |
| PWIS conformity | VDMA24364-B1/B2-L |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 7 |
| Ambient temperature | -10 ... 60 °C |
| Impact energy in end positions | 0.03 ... 0.8 J |
| Cushioning length | 1.6 ... 4 mm |
| Max. force F _y | 470 ... 530 N |
| Max. force F _z | 470 ... 530 N |
| Max. torque M _x | 3 ... 6 Nm |
| Max. torque M _y | 3 ... 6 Nm |
| Max. torque M _z | 3 ... 6 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 79 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 94 N |
| Moving mass | 124 ... 280.7 g |

| Feature | Value |
|----------------------|----------------------------------|
| Product weight | 247 ... 584.4 g |
| Mounting type | with through hole |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material of guide | POM High alloy steel TPE-E |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |