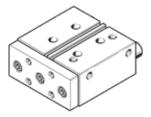
Guide cylinder DFM-50-25-P-A-GF Part number: 170871 ★ Core product range

With integral guide.

The proximity switch, type SMTSO-8E, can be used with this product with stroke lengths of 20 to 40 mm only when the corresponding mounting kit, type SMB-8E, is mounted outwardly.



Data sheet

| Feature | Value |
|---|--|
| Centre of gravity distance from working load to yoke plate | 50 mm |
| Stroke | 25 mm |
| Piston diameter | 50 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Guide | Plain-bearing guide |
| Design structure | Guide |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.1 1 MPa |
| Working pressure | 1 10 bar |
| Max. speed | 0.6 m/s |
| 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 |
| Ambient temperature | -20 80 °C |
| Impact energy in end positions | 1 Nm |
| Max. force Fy | 1,533 N |
| Max. force Fy static | 1,533 N |
| Max. force Fz | 1,533 N |
| Max. force Fz static | 1,533 N |
| Max. torque Mx | 84.33 Nm |
| Max. torque Mx static | 84.33 Nm |
| Max. torque My | 38.33 Nm |
| Max. torque My static | 38.33 Nm |
| Max. torque Mz | 38.33 Nm |
| Max. torque Mz static | 38.33 Nm |
| Max. permissible torque load Mx as a function of the stroke | 19.4 Nm |
| Max. useful load as a function of the stroke at defined distance xs | 257 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 1,057 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 1,178 N |
| Moving mass | 2,026 g |
| Product weight | 3,440 g |
| alternative connections | See product drawing |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy |
| Material seals | NBR |
| Material housing | Wrought Aluminum alloy |
| Material piston rod | High alloy steel, non-corrosive |

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