# Stopper cylinder
# DFSP-50-30-PS-PA

Part number: 576152





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 30 mm |
| Piston diameter | 50 mm |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Mode of operation | Single-acting<br>Pulling |
| Design | Piston<br>Piston rod<br>Profile barrel |
| Position detection | Via proximity switch |
| Protection against torque/guide | Round piston rod |
| Operating pressure | 0.12 MPa...1 MPa<br>1.2 bar...10 bar |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1 |
| Ambient temperature | -10 °C...80 °C |
| Impact force | 6280 N |
| Permissible lateral force during switching operation | 1570 N |
| Max. cycle frequency | 5 Hz |
| Type of mounting | Either:<br>With through-hole<br>With female thread<br>With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant |
| Material collar screws | Galvanised steel |
| Material cover | Wrought aluminium alloy<br>anodised |
| Material seals | TPE-U(PU) |
| Material piston rod | High-alloy stainless steel |

| Feature | Value |
|---|---|
| Material roll | Galvanised steel |
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth-anodised |