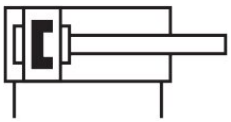
# Round cylinder
# DSNU-50-80-P-A

Part number: 196003





General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Stroke | 80 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M16x1.5 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Design | Piston<br>Piston rod<br>Cylinder barrel |
| Position detection | Via proximity switch |
| Symbol | 00991217 |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 1 bar ... 10 bar |
| Mode of operation | Double-acting |
| 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 |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 1 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 989.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178.1 N |
| Moving mass | 613 g |
| Product weight | 1407 g |
| Type of mounting | With accessories |
| Pneumatic connection | G1/4 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | NBR<br>TPE-U(PU) |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | High-alloy stainless steel |