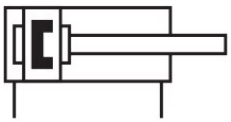
# Round cylinder
# CRDSNU-32-80-P-A

Part number: 8152641





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 80 mm |
| Piston diameter | 32 mm |
| Piston rod thread | M10x1.25 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Piston-rod end | Male thread |
| Design | Piston<br>Piston rod<br>Cylinder barrel |
| Position detection | Via proximity switch |
| Operating pressure | 0.1 MPa...1 MPa<br>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 | 3 - high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1 |
| Suitable for use with food | See declaration of conformity |
| Ambient temperature | -20 °C...80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 415 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 483 N |
| Moving mass for 0 mm stroke | 118 g |
| Additional moving mass per 10 mm stroke | 9 g |
| Basic weight for 0 mm stroke | 670 g |
| Additional weight per 10 mm stroke | 15 g |
| Type of mounting | With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant |
| Material cover | High-alloy stainless steel |
| Material piston rod | High-alloy stainless steel |

| Feature | Value |
| --- | --- |
| Material cylinder barrel | High-alloy stainless steel |