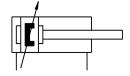
## Round cylinder DSNU-1/2""- -PPV-A Part number: 548500







## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 0,4 in8 in   |
| Piston diameter  | 1/2""  |
| Piston rod thread  | 10-32 UNF-2A   |
| Based on standard  | ISO 6432   |
| Cushioning   | Pneumatic cushioning, adjustable at both ends  |
| Mounting position  | optional   |
| Piston-rod end   | Male thread  |
| Design   | Piston<br>Piston rod   |
| Position detection   | Via proximity switch   |
| Variants   | Piston rod at one end  |
| Operating pressure   | 0.1 MPa1 MPa<br>1 bar10 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  | -4 °F176 °F  |
| Impact energy in end positions                               | 0,0516 ft-lbf  |
| Cushioning length  | 0,35 in  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 10,2 lbf   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 13,6 lbf   |
| Moving mass for 0 mm stroke                                  | 525 oz   |
| Additional weight per 10 mm stroke                           | 57,1 oz  |
| Type of mounting   | With accessories   |
| Pneumatic connection   | 10-32 UNF-2B   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Wrought aluminium alloy  |
| Material seals   | NBR<br>TPE-U(PU)   |

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