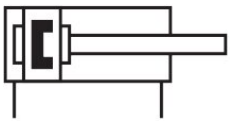
# Round cylinder
# DSNU-1/2"-2"-P-A-B

Part number: 546388





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 2 in |
| Piston diameter | 1/2" |
| Piston rod thread | 10-32 UNF-2A |
| Based on norm | ISO 6432 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Piston rod end | External thread |
| Structural design | Piston<br>Piston rod |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa...1 MPa<br>1 bar...10 bar |
| Mode of operation | Double-acting |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -4 °F...176 °F |
| Impact energy in the end positions | 0.0516 ft-lbf |
| Theoretical force at 6 bar, retracting | 11.4 lbf |
| Theoretical force at 6 bar, advancing | 15.3 lbf |
| Moving mass at 0 mm stroke | 0.653 oz |
| Additional moving mass per 10 mm stroke | 0.071 oz |
| Basic weight with 0 mm stroke | 2.65 oz |
| Additional weight per 10 mm stroke | 0.141 oz |
| Type of mounting | With accessories |
| Pneumatic connection | 10-32 UNF-2B |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR<br>TPE-U(PU) |
| Piston rod material | high-alloy stainless steel |

| Feature | Value |
| --- | --- |
| Material of cylinder barrel | high-alloy stainless steel |