

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

Part number: 546388

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke | 50.8 mm |
| 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 Piston rod |
| Position sensing | For proximity sensor |
| Symbol | 00991217 |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 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 | -20 °C ... 80 °C |
| Impact energy in the end positions | 0.06996 J |
| Theoretical force at 6 bar, retracting | 50.71 N |
| Theoretical force at 6 bar, advancing | 68.058 N |
| Moving mass at 0 mm stroke | 18.513 g |
| Additional moving mass per 10 mm stroke | 2.013 g |
| Basic weight with 0 mm stroke | 75.014 g |
| Additional weight per 10 mm stroke | 3.997 g |
| Type of mounting | With accessories |
| Pneumatic connection | 10-32 UNF-2B |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR TPE-U(PU) |
| Piston rod material | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |