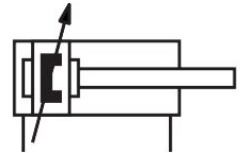


# Round cylinder DSNU-3/4"-8"-PPV-A

Part number: 546411

FESTO



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 8 in                                                               |
| Piston diameter                          | 3/4"                                                               |
| Piston rod thread                        | 5/16-24 UNF-2A                                                     |
| Based on norm                            | ISO 6432                                                           |
| Cushioning                               | Pneumatic cushioning, adjustable 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       | 0.147 ft-lbf                                                       |
| Cushioning length                        | 0.67 in                                                            |
| Theoretical force at 6 bar, retracting   | 35.6 lbf                                                           |
| Theoretical force at 6 bar, advancing    | 42.4 lbf                                                           |
| Moving mass at 0 mm stroke               | 1.55 oz                                                            |
| Additional moving mass per 10 mm stroke  | 0.141 oz                                                           |
| Basic weight with 0 mm stroke            | 6.59 oz                                                            |
| Additional weight per 10 mm stroke       | 0.254 oz                                                           |
| Type of mounting                         | With accessories                                                   |
| Pneumatic connection                     | 1/8 NPT                                                            |
| Cover material                           | Wrought aluminum alloy                                             |
| Seals material                           | NBR<br>TPE-U(PU)                                                   |

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