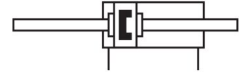


# Round cylinder DSNU-5/8"- -P-A-S2

Part number: 548513

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 10.16 mm ... 203.2 mm                                              |
| Piston diameter                          | 5/8"                                                               |
| 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                         | For proximity sensor                                               |
| Symbol                                   | 00991219                                                           |
| Variants                                 | Through piston rod                                                 |
| 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       | 0.14995 J                                                          |
| Theoretical force at 6 bar, retracting   | 92.256 N                                                           |
| Theoretical force at 6 bar, advancing    | 107.291 N                                                          |
| Moving mass at 0 mm stroke               | 22.992 g                                                           |
| Additional weight per 10 mm stroke       | 2.013 g                                                            |
| Type of mounting                         | With accessories                                                   |
| Pneumatic connection                     | 10-32 UNF-2B                                                       |
| Note on materials                        | RoHS-compliant                                                     |
| Cover material                           | Wrought aluminum alloy                                             |
| Seals material                           | NBR<br>TPE-U(PU)                                                   |
| Piston rod material                      | High-alloy stainless steel                                         |
| Material of cylinder barrel              | High-alloy stainless steel                                         |