

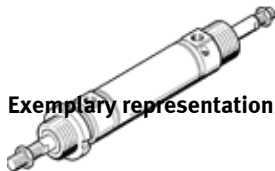
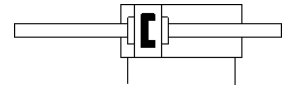
# Round cylinder DSNU-1 1/4"- -P-A-S2

Part number: 548516

FESTO

Based on DIN ISO 6431, for position sensing Various mounting options, with or without additional mounting components. With flexible cushioning rings in the end positions.

A minimum stroke of 0.04 inches is required for position sensing with proximity switches.



Exemplary representation

## Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 0.4 ... 20 "  |
| Piston diameter  | 1 1/4"  |
| Piston rod thread  | 3/8-24 UNF-2A   |
| Based on the standard                                    | ISO 6431  |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position  | Any   |
| Piston-rod end   | Male thread   |
| Design structure   | Piston<br>Piston rod  |
| Position detection                                       | For proximity sensor  |
| Variants   | Through piston rod  |
| Operating pressure MPa                                   | 0.1 ... 1 MPa   |
| Working pressure   | 1 ... 10 bar  |
| Mode of operation  | double-acting   |
| Operating medium   | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium                       | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC                  | 2 - Moderate corrosion stress   |
| PWIS conformity  | VDMA24364-B1/B2-L   |
| Ambient temperature                                      | -4 ... 176 °F   |
| Impact energy in end positions                           | 0.295 ft-lbf  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 83 lbf  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 96.5 lbf  |
| Moving mass with 0 mm stroke                             | 4.268 oz  |
| Additional weight per 10 mm stroke                       | 0.317 oz  |
| Mounting type  | with accessories  |
| Pneumatic connection                                     | 1/8 NPT   |
| Materials note   | Conforms to RoHS  |
| Material cover   | Wrought Aluminum alloy  |
| Material seals   | NBR<br>TPE-U(PU)  |
| Material piston rod                                      | High alloy steel, non-corrosive   |
| Material cylinder barrel                                 | High alloy steel, non-corrosive   |