

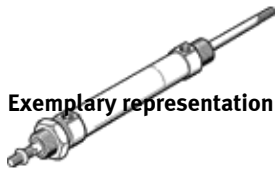
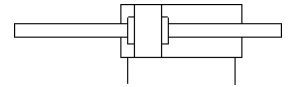
# Round cylinder DSNU-1/2"- -P-S2

Part number: 548544  
Product to be discontinued

FESTO

Based on DIN ISO 6432, with elastic cushioning rings in the end positions. Various mounting options, with or without additional mounting components.

Type to be discontinued. Available until 2022. See Support Portal for alternative products.



Exemplary representation

## Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 0.04 ... 8 "  |
| Piston diameter  | 1/2"  |
| Piston rod thread  | 10-32 UNF-2A  |
| Based on the standard                                    | ISO 6432  |
| 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                                       | No  |
| 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                           | 0.0516 ft-lbf   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 10.18 lbf   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 13.58 lbf   |
| Moving mass with 0 mm stroke                             | 0.653 oz  |
| Additional weight per 10 mm stroke                       | 0.071 oz  |
| Mounting type  | with accessories  |
| Pneumatic connection                                     | 10-32 UNF-2B  |
| 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   |