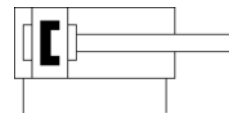
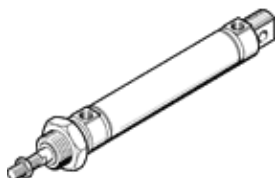


# Round cylinder DSNU-5/16"-2"-P-A

Part number: 546395

**FESTO**

Based on DIN ISO 6432, for position sensing Various mounting options, with or without additional mounting components. With flexible cushioning rings in the end positions.



## Data sheet

| Feature                                    | values  |
|--|---|
| Stroke                                     | 2 "   |
| Piston diameter                            | 5/16"   |
| Piston rod thread                          | UNC6-32   |
| 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                         | For proximity sensor  |
| Variants                                   | Single-ended piston rod   |
| Working pressure                           | 14.5 ... 145 Psi  |
| 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   |
| Ambient temperature                        | -4 ... 176 °F   |
| Impact energy in end positions             | 0.0221 ft-lbf   |
| Theoretical force at 6 bar, return stroke  | 5.1 lbf   |
| Theoretical force at 6 bar, advance stroke | 6.8 lbf   |
| Moving mass with 0 mm stroke               | 0.265 oz  |
| Additional weight per 10 mm stroke         | 0.085 oz  |
| Basic weight for 0 mm stroke               | 1.22 oz   |
| Additional mass factor per 10 mm of stroke | 0.035 oz  |
| Mounting type                              | with accessories  |
| Pneumatic connection                       | UNF10-32  |
| Materials information for cover            | Wrought Aluminum alloy  |
| Materials information for seals            | NBR<br>TPE-U(PU)  |
| Materials information for piston rod       | High alloy steel, non-corrosive   |
| Materials information for cylinder barrel  | High alloy steel, non-corrosive   |