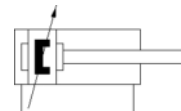
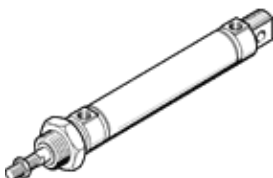


# Round cylinder DSNU-5/8"-3"-PPV-A-B

Part number: 546391

**FESTO**

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With adjustable end-position cushioning.



## Data sheet

| Feature                                    | values                                                                      |
|--------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                     | 3 "                                                                         |
| Piston diameter                            | 5/8"                                                                        |
| Piston rod thread                          | UNF10-32                                                                    |
| Based on the standard                      | ISO 6432                                                                    |
| Cushioning                                 | PPV: Pneumatic cushioning adjustable 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             | 0.1106 ft-lbf                                                               |
| Cushioning length                          | 0.55 "                                                                      |
| Theoretical force at 6 bar, return stroke  | 23.3 lbf                                                                    |
| Theoretical force at 6 bar, advance stroke | 27.1 lbf                                                                    |
| Moving mass with 0 mm stroke               | 0.811 oz                                                                    |
| Additional weight per 10 mm stroke         | 0.162 oz                                                                    |
| Basic weight for 0 mm stroke               | 3.171 oz                                                                    |
| Additional mass factor per 10 mm of stroke | 0.071 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                                             |