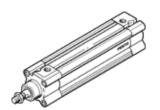
## Standard cylinder DNCB-80-100-PPV-A Part number: 532888

**FESTO** 

As per ISO 15552, with profile cylinder barrel, for proximity sensing, with adjustable cushioning at both end positions.





## **Data sheet**

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 100 mm  |
| Piston diameter                            | 80 mm   |
| Piston rod thread                          | M20x1,5   |
| Cushioning                                 | PPV: Pneumatic cushioning adjustable at both ends                           |
| Assembly position                          | Any   |
| Conforms to standard                       | ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290)   |
| Piston-rod end                             | Male thread   |
| Design structure                           | Piston Piston rod Profile barrel  |
| Position detection                         | For proximity sensor  |
| Variants                                   | Single-ended piston rod   |
| Operating pressure                         | 0.6 12 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   |
| Ambient temperature                        | -20 80 °C   |
| Impact energy in end positions             | 2 J   |
| Cushioning length                          | 32 mm   |
| Theoretical force at 6 bar, return stroke  | 2,721 N   |
| Theoretical force at 6 bar, advance stroke | 3,016 N   |
| Moving mass with 0 mm stroke               | 800 g   |
| Additional weight per 10 mm stroke         | 92 g  |
| Basic weight for 0 mm stroke               | 3,135 g   |
| Additional mass factor per 10 mm of stroke | 39 g  |
| Mounting type                              | with internal (female) thread   |
|  | with accessories  |
| Pneumatic connection                       | G3/8  |
| Materials note                             | Conforms to RoHS  |
| Materials information for cover            | Aluminium die cast<br>coated  |
| Materials information for seals            | TPE-U(PU)   |
| Materials information for piston rod       | High alloy steel  |
| Materials information for cylinder barrel  | Wrought Aluminium alloy   |