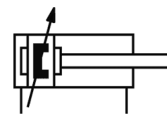
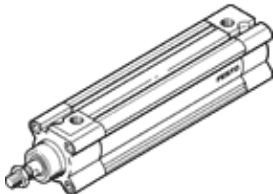


# Standard cylinder DNCB-100-500-PPV-A

Part number: 532908

**FESTO**

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



## Data sheet

| Feature                                    | Value                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                     | 500 mm                                                                      |
| Piston diameter                            | 100 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<br>Piston rod<br>Profile barrel                                      |
| Position detection                         | For proximity sensor                                                        |
| Variants                                   | Single-ended piston rod                                                     |
| Working 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             | 3 J                                                                         |
| Cushioning length                          | 32 mm                                                                       |
| Theoretical force at 6 bar, return stroke  | 4,418 N                                                                     |
| Theoretical force at 6 bar, advance stroke | 4,712 N                                                                     |
| Moving mass with 0 mm stroke               | 1,045 g                                                                     |
| Additional weight per 10 mm stroke         | 101 g                                                                       |
| Basic weight for 0 mm stroke               | 4,575 g                                                                     |
| Additional mass factor per 10 mm of stroke | 39 g                                                                        |
| Mounting type                              | with internal (female) thread<br>with accessories                           |
| Pneumatic connection                       | G1/2                                                                        |
| Materials note                             | Conforms to RoHS                                                            |
| Materials information for cover            | Aluminum 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 Aluminum alloy                                                      |