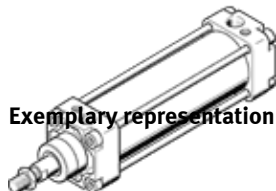
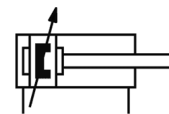


# Standard cylinder DNG-80- -PPV-A-S3

Part number: 34977

FESTO

As per ISO 15552, NF E 49 003.1 and UNI 10 290, for proximity sensing,  
with adjustable cushioning at both ends.



Exemplary representation

## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 1 ... 2,000 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<br>Piston rod  |
| Position detection                         | For proximity sensor  |
| Variants                                   | cylinder with corrosion and acid resistant piston rod, stainless steel piston rod nut, FCM wiper seal |
| 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   |
| Authorisation                              | Germanischer Lloyd  |
| Cushioning length                          | 30 mm   |
| Theoretical force at 6 bar, return stroke  | 2,721 N   |
| Theoretical force at 6 bar, advance stroke | 3,016 N   |
| Additional weight per 10 mm stroke         | 80 g  |
| Basic weight for 0 mm stroke               | 2,875 g   |
| Mounting type                              | with accessories  |
| Pneumatic connection                       | G3/8  |
| Materials information for cover            | Aluminium   |
| Materials information for seals            | NBR<br>TPE-U(PU)  |
| Materials information for piston rod       | High alloy steel  |
| Materials information for cylinder barrel  | Wrought Aluminium alloy   |