

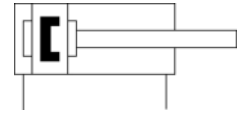
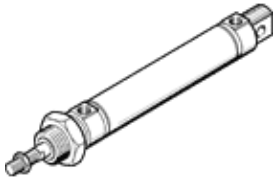
# Standard cylinder DSNU-20-320-P-A

Part number: 34718

★ Core product range

**FESTO**

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



## Data sheet

| Feature                                    | values                                                                      |
|--------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                     | 320 mm                                                                      |
| Piston diameter                            | 20 mm                                                                       |
| Piston rod thread                          | M8                                                                          |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                          | Any                                                                         |
| Conforms to standard                       | CETOP RP 52 P<br>ISO 6432                                                   |
| Piston-rod end                             | Male thread                                                                 |
| Design structure                           | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Position detection                         | For proximity sensor                                                        |
| Variants                                   | Single-ended piston rod                                                     |
| Working pressure                           | 1 ... 10 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                                                               |
| Authorization                              | Germanischer Lloyd                                                          |
| Impact energy in end positions             | 0.2 J                                                                       |
| Theoretical force at 6 bar, return stroke  | 158.3 N                                                                     |
| Theoretical force at 6 bar, advance stroke | 188.5 N                                                                     |
| Moving mass with 0 mm stroke               | 44 g                                                                        |
| Additional weight per 10 mm stroke         | 7.2 g                                                                       |
| Basic weight for 0 mm stroke               | 186.8 g                                                                     |
| Additional mass factor per 10 mm of stroke | 4 g                                                                         |
| Mounting type                              | with accessories                                                            |
| Pneumatic connection                       | G1/8                                                                        |
| Materials note                             | Conforms to RoHS                                                            |
| Materials information for cover            | Wrought Aluminum alloy<br>neutral anodization                               |
| 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                                             |