

# Round cylinder DPRA-N-...-1 3/4"- -

Part number: 8109553

**FESTO**



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                  | Value                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stroke                                   | 1.5875 mm ... 304.8 mm                                                                                                                                                                                                                                                                                                                                            |
| Piston diameter                          | 1 3/4"                                                                                                                                                                                                                                                                                                                                                            |
| Piston rod thread                        | 1/2-20 UNF-2A                                                                                                                                                                                                                                                                                                                                                     |
| Cushioning                               | No cushioning<br>Elastic cushioning rings/pads at both ends                                                                                                                                                                                                                                                                                                       |
| Mounting position                        | Any                                                                                                                                                                                                                                                                                                                                                               |
| Structural design                        | Piston<br>Piston rod<br>Cylinder barrel                                                                                                                                                                                                                                                                                                                           |
| Position sensing                         | For proximity sensor                                                                                                                                                                                                                                                                                                                                              |
| Variants                                 | Extended external thread piston rod<br>Extended piston rod<br>Bearing cap for direct mounting<br>Bearing cap with mounting thread<br>Bearing cap with trunnion flange<br>Axial supply port<br>Lateral supply port<br>With anti-twist protection<br>Through piston rod<br>Temperature range 0 to + 150°C<br>Temperature range -40 to 80°C<br>Piston rod at one end |
| Operating pressure                       | 0.689 bar ... 10.342 bar                                                                                                                                                                                                                                                                                                                                          |
| Mode of operation                        | Double-acting<br>Pushing<br>Single-acting<br>Pulling                                                                                                                                                                                                                                                                                                              |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                                                                                                                                                                                                                                                                     |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)                                                                                                                                                                                                                                                                                                |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                                                                                                                                                                                                                                                                                                                          |
| LABS (PWIS) conformity                   | VDMA24364 zone III                                                                                                                                                                                                                                                                                                                                                |
| Ambient temperature                      | -40 °C ... 149 °C                                                                                                                                                                                                                                                                                                                                                 |
| Product weight                           | 385.553 g ... 1374.384 g                                                                                                                                                                                                                                                                                                                                          |
| Type of mounting                         | With accessories                                                                                                                                                                                                                                                                                                                                                  |
| Pneumatic connection                     | 1/4 NPT                                                                                                                                                                                                                                                                                                                                                           |
| Note on materials                        | RoHS-compliant                                                                                                                                                                                                                                                                                                                                                    |
| Cover material                           | Wrought aluminum alloy                                                                                                                                                                                                                                                                                                                                            |
| Seals material                           | FPM<br>NBR                                                                                                                                                                                                                                                                                                                                                        |
| Piston rod material                      | High-alloy stainless steel                                                                                                                                                                                                                                                                                                                                        |

| Feature                     | Value                      |
|-----------------------------|----------------------------|
| Material of cylinder barrel | High-alloy stainless steel |