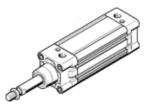
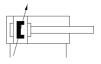
## profile cylinder DNC-4"-1"-PPV-A Part number: 178075

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



## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 1 "  |
| Piston diameter  | 4"   |
| Piston rod thread  | 3/4-16 UNF-2A  |
| Based on the standard                                    | ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI |
|  | 10290)   |
| Cushioning   | PPV: Pneumatic cushioning adjustable at both ends                  |
| Assembly position  | Any  |
| Piston-rod end   | Male thread  |
| Design structure   | Piston   |
|  | Piston rod   |
|  | Profile barrel   |
| Position detection                                       | For proximity sensor   |
| Variants   | Single-ended piston rod  |
| Operating pressure MPa                                   | 0.06 1.2 MPa   |
| 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 - Moderate corrosion stress                                      |
| PWIS conformity  | VDMA24364-B1/B2-L  |
| Ambient temperature                                      | -20 80 °C  |
| Impact energy in end positions                           | 1.2 J  |
| Cushioning length  | 32 mm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 4,418 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 4,712 N  |
| Moving mass with 0 mm stroke                             | 1,544 g  |
| Additional mass factor per 10 mm of stroke               | 38 g   |
| Basic weight for 0 mm stroke                             | 4,653 g  |
| Additional weight per 10 mm stroke                       | 115 g  |
| Mounting type  | with internal (female) thread                                      |
|  | with accessories   |
| Pneumatic connection                                     | NPT1/2-14  |
| Materials note   | Conforms to RoHS   |
| Material cover   | Aluminium die cast   |
|  | coated   |
| Material seals   | TPE-U(PU)  |
| Material piston rod                                      | High alloy steel   |
| Material cylinder barrel                                 | Wrought Aluminium alloy  |
|  | Smooth anodised  |



## **FESTO**