

# Short stroke cylinder

## ADVC-80-20-A-P-A

Part number: 188318  
Product to be discontinued

FESTO

For proximity sensing, piston-rod end with male thread.  
Type to be discontinued. Available until 2026. See Support Portal for alternative products.



### Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 20 mm   |
| Piston diameter  | 80 mm   |
| Based on the standard                                    | ISO 6431<br>Hole pattern<br>VDMA 24562                                      |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position  | Any   |
| Mode of operation  | double-acting   |
| Design structure   | Piston<br>Piston rod  |
| Position detection                                       | For proximity sensor  |
| Operating pressure MPa                                   | 0.1 ... 1 MPa   |
| Working pressure   | 1 ... 10 bar  |
| Operating pressure                                       | 14.5 ... 145 psi  |
| 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                  | 1 - Low corrosion stress  |
| PWIS conformity  | VDMA24364-B1/B2-L   |
| Ambient temperature                                      | -20 ... 80 °C   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 2,827 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 3,016 N   |
| Moving mass  | 301 g   |
| Moving mass with 0 mm stroke                             | 265 g   |
| Additional mass factor per 10 mm of stroke               | 24 g  |
| Product weight   | 1,297 g   |
| Basic weight for 0 mm stroke                             | 1,119 g   |
| Additional weight per 10 mm stroke                       | 114 g   |
| Mounting type  | with through hole<br>with accessories<br>Optional                           |
| Pneumatic connection                                     | G1/8  |
| Materials note   | Conforms to RoHS  |
| Material cover   | Wrought Aluminum alloy<br>Anodized  |
| Material seals   | TPE-U(PU)   |
| Material housing   | Wrought Aluminum alloy<br>Anodized  |
| Material piston rod                                      | High alloy steel  |