

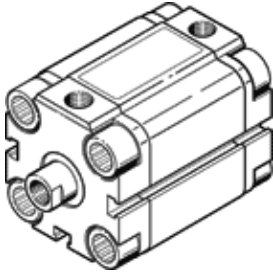
# Compact cylinder

## ADVU-20-40-P-A

Part number: 156520  
Classic - do not use for new projects

FESTO

For proximity sensing, piston-rod end with female thread.  
Modern alternatives can be found by entering the first four characters of the type code in the search field.



### Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 40 mm   |
| Piston diameter  | 20 mm   |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position  | Any   |
| Mode of operation  | double-acting   |
| Piston-rod end   | Female thread   |
| Design structure   | Piston<br>Piston rod  |
| Position detection                                       | For proximity sensor  |
| Variants   | Single-ended piston rod   |
| 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                  | 2 - Moderate corrosion stress   |
| PWIS conformity  | VDMA24364-B1/B2-L   |
| Ambient temperature                                      | -20 ... 80 °C   |
| Impact energy in end positions                           | 0.14 J  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 141 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 188 N   |
| Moving mass with 0 mm stroke                             | 20 g  |
| Additional mass factor per 10 mm of stroke               | 6 g   |
| Basic weight for 0 mm stroke                             | 149 g   |
| Additional weight per 10 mm stroke                       | 23 g  |
| Mounting type  | with through hole<br>with accessories<br>Optional                           |
| Pneumatic connection                                     | M5  |
| Material of flange screw                                 | steel, galvanized   |
| Material cover   | Wrought Aluminum alloy  |
| Material of dynamic seals                                | NBR<br>TPE-U(PU)  |
| Material piston rod                                      | High alloy steel, non-corrosive   |
| Material cylinder barrel                                 | Wrought Aluminum alloy  |