# compact cylinder
## ADVULQ-32-10-P-A

Part number: 156703
Classic - do not use for new projects

For proximity sensing. Secured against rotation by means of square piston rod. 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.

Type to be discontinued. Available until 2025. See Support Portal for alternative products.
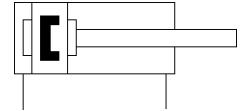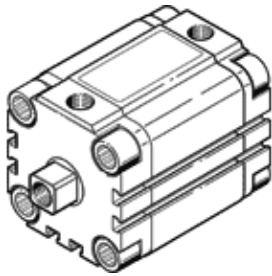
## Data sheet

| Feature | Value |
|---|---|
| Stroke | 10 mm |
| Piston diameter | 32 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 |
| Protection against torque/guide | Square piston rod |
| Operating pressure MPa | 0.1 ... 1 MPa |
| Operating pressure | 1 ... 10 bar<br>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 | 0.4 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 415 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 483 N |
| Moving mass with 0 mm stroke | 49 g |
| Additional mass factor per 10 mm of stroke | 9 g |
| Basic weight for 0 mm stroke | 300 g |
| Additional weight per 10 mm stroke | 40 g |
| Mounting type | with through hole<br>with accessories<br>Optional |
| Pneumatic connection | G1/8 |
| Material of flange screw | steel, galvanized |
| Material cover | Wrought Aluminium alloy |
| Material of dynamic seals | NBR<br>TPE-U(PU) |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | Wrought Aluminium alloy |