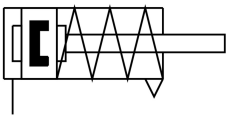
# Compact air cylinder AEVU-80-20-P-A

Part number: 156970



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 20 mm |
| Piston diameter | 80 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Single-acting<br>Pushing |
| Piston rod end | Internal thread |
| Structural design | Piston<br>Piston rod |
| Position sensing | For proximity sensor |
| Variants | Piston rod at one end |
| Operating pressure | 0.06 MPa...1 MPa<br>6 bar...10 bar<br>8.7 psi...145 psi |
| 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) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in the end positions | 0.75 J |
| Theoretical force at 6 bar, advancing | 2902 N |
| Moving mass at 0 mm stroke | 307 g |
| Additional moving mass per 10 mm stroke | 25 g |
| Basic weight with 0 mm stroke | 1772 g |
| Additional weight per 10 mm stroke | 168 g |
| Type of mounting | Optionally:<br>With through-hole<br>With accessories |
| Pneumatic connection | G1/8 |
| Flange screws material | Steel, galvanized |
| Cover material | Wrought aluminum alloy |
| Material of dynamic seals | NBR<br>TPE-U(PU) |

| Feature | Value |
|---|---|
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy |