

# short-stroke cylinder

## ADVC-100-25-I-P

Part number: 188339  
Product to be discontinued

FESTO

No facility for sensing, piston-rod end with female thread.  
Type to be discontinued. Available until 2026. See Support Portal for alternative products.



### Data sheet

| Feature                                                  | Value                                                                       |
|----------------------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                                   | 25 mm                                                                       |
| Piston diameter                                          | 100 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                                       | No                                                                          |
| 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                  | 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 | 4,418 N                                                                     |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 4,712 N                                                                     |
| Moving mass                                              | 759 g                                                                       |
| Moving mass with 0 mm stroke                             | 679 g                                                                       |
| Additional mass factor per 10 mm of stroke               | 40 g                                                                        |
| Product weight                                           | 2,314 g                                                                     |
| Basic weight for 0 mm stroke                             | 1,972 g                                                                     |
| Additional weight per 10 mm stroke                       | 214 g                                                                       |
| Mounting type                                            | with through hole<br>with accessories<br>Optional                           |
| Pneumatic connection                                     | G1/4                                                                        |
| Materials note                                           | Conforms to RoHS                                                            |
| Material cover                                           | Wrought Aluminium alloy<br>Anodised                                         |
| Material seals                                           | NBR<br>TPE-U(PU)                                                            |
| Material housing                                         | Wrought Aluminium alloy<br>Anodised                                         |
| Material piston rod                                      | High alloy steel                                                            |