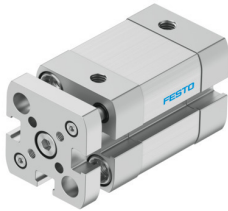


# Compact cylinder ADNGF-5/8"-1/2"-P-A

Part number: 557 207

**FESTO**



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 0.5 in   |
| Piston diameter  | 5/8"   |
| Based on standard  | ISO 21287  |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Design   | Piston<br>Piston rod<br>Profile barrel   |
| Position detection   | Via proximity switch   |
| Protection against torque/guide                              | Guide rod with yoke  |
| Operating pressure   | 0.1 MPa...1 MPa<br>1 bar...10 bar  |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Ambient temperature  | -4 °F...176 °F   |
| Impact energy in end positions                               | 0.111 ft-lbf   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 20.2 lbf   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 27.2 lbf   |
| Moving mass for 0 mm stroke                                  | 1.03 oz  |
| Additional moving mass per 10 mm stroke                      | 0.566 oz   |
| Basic weight for 0 mm stroke                                 | 3.29 oz  |
| Additional weight per 10 mm stroke                           | 0.212 oz   |
| Type of mounting   | Either:<br>With through-hole<br>Via female thread<br>With accessories                      |
| Pneumatic connection   | 10-32 UNF-2B   |
| Material collar screws                                       | Steel  |
| Material cover   | Anodised wrought aluminium alloy   |

| <b>Feature</b>           | <b>Value</b>                            |
|--------------------------|---|
| Material seals           | NBR                                     |
| Material dynamic seals   | TPE-U(PU)                               |
| Material end plate       | Anodised wrought aluminium alloy        |
| Material piston rod      | High-alloy steel                        |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |