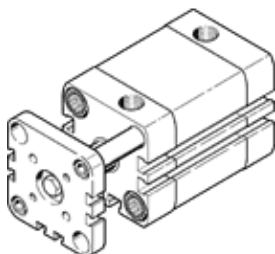


# Compact cylinder ADNGF-1 5/8"-2"-P-A

Part number: 557248

**FESTO**

According to ISO 21287, with plain-bearing guide, piston rod secured against rotation by means of guide rods and yoke plate.



## Data sheet

| Feature                                    | values                                                                             |
|--------------------------------------------|------------------------------------------------------------------------------------|
| Stroke                                     | 2 "                                                                                |
| Piston diameter                            | 1 5/8"                                                                             |
| Based on the standard                      | ISO 21287                                                                          |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                                   |
| Assembly position                          | Any                                                                                |
| Design structure                           | Piston<br>Piston rod<br>Profile barrel                                             |
| Position detection                         | For proximity sensor                                                               |
| Protection against torque/guide            | Guide rod with yoke                                                                |
| Working pressure                           | 14.5 ... 145 Psi                                                                   |
| Mode of operation                          | double-acting                                                                      |
| 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                                                                                  |
| Ambient temperature                        | -4 ... 176 °F                                                                      |
| Impact energy in end positions             | 0.516 ft-lbf                                                                       |
| Theoretical force at 6 bar, return stroke  | 154.219 lbf                                                                        |
| Theoretical force at 6 bar, advance stroke | 169.506 lbf                                                                        |
| Moving mass with 0 mm stroke               | 5.806 oz                                                                           |
| Additional weight per 10 mm stroke         | 0.602 oz                                                                           |
| Basic weight for 0 mm stroke               | 15.222 oz                                                                          |
| Additional mass factor per 10 mm of stroke | 1.593 oz                                                                           |
| Mounting type                              | Optional<br>with through hole<br>with internal (female) thread<br>with accessories |
| Pneumatic connection                       | NPT1/8-27                                                                          |
| Materials information for collar screws    | Steel                                                                              |
| Materials information for cover            | Wrought Aluminum alloy<br>Anodized                                                 |
| Materials information for seals            | NBR                                                                                |
| Materials information for dynamic seals    | TPE-U(PU)                                                                          |
| Materials information for piston rod       | High alloy steel                                                                   |
| Materials information for cylinder barrel  | Wrought Aluminum alloy<br>Smooth anodized                                          |