

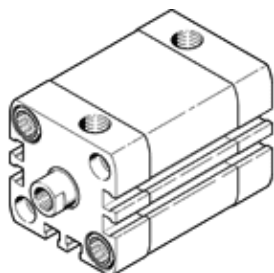
# Compact cylinder

## ADN-2"-1 1/2"-I-P-A

Part number: 557133

**FESTO**

Per ISO 21287, with position sensing and internal piston rod thread



## Data sheet

| Feature                                    | values   |
|--|--|
| Stroke                                     | 1.5 "  |
| Piston diameter                            | 2"   |
| Piston rod thread                          | UNF3/8-24  |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                                   |
| Assembly position                          | Any  |
| Conforms to standard                       | ISO 21287  |
| Piston-rod end                             | Female thread  |
| Design structure                           | Piston<br>Piston rod<br>Profile barrel   |
| Position detection                         | For proximity sensor   |
| Variants                                   | Single-ended piston rod  |
| Working pressure                           | 8.7 ... 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             | 0.738 ft-lbf   |
| Theoretical force at 6 bar, return stroke  | 237.623 lbf  |
| Theoretical force at 6 bar, advance stroke | 264.825 lbf  |
| Moving mass with 0 mm stroke               | 4.956 oz   |
| Additional weight per 10 mm stroke         | 0.566 oz   |
| Basic weight for 0 mm stroke               | 19.116 oz  |
| Additional mass factor per 10 mm of stroke | 1.805 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  |