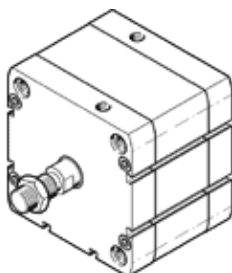


Compact cylinder ADN-4"-1"-A-P-A

Part number: 557174

FESTO

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



Data sheet

| Feature | values |
|--|--|
| Stroke | 1 " |
| Piston diameter | 4 " |
| Piston rod thread | UNF5/8-18 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Conforms to standard | ISO 21287 |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod 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 | 1.844 ft-lbf |
| Theoretical force at 6 bar, return stroke | 1,017.035 lbf |
| Theoretical force at 6 bar, advance stroke | 1,059.3 lbf |
| Moving mass with 0 mm stroke | 20.178 oz |
| Additional weight per 10 mm stroke | 0.885 oz |
| Basic weight for 0 mm stroke | 76.252 oz |
| Additional mass factor per 10 mm of stroke | 3.469 oz |
| Mounting type | Optional with through hole with internal (female) thread with accessories |
| Pneumatic connection | NPT1/8-27 |
| Materials information for collar screws | Steel |
| Materials information for cover | Wrought Aluminum alloy 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 Smooth anodized |