

Compact air cylinder ADN-4^{'''}-2 1/2^{'''}-A-P-A

Part number: 557178

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 2,5 in |
| Piston diameter | 4 " " |
| Piston rod thread | 5/8-18 UNF-2A |
| Based on norm | ISO 21287 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | External thread |
| Structural design | Piston Piston rod Profile barrel |
| Position sensing | For proximity sensor |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 bar 14.5 psi...145 psi |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -4 °F...176 °F |
| Impact energy in the end positions | 1,84 ft-lbf |
| Theoretical force at 6 bar, retracting | 1017 lbf |
| Theoretical force at 6 bar, advancing | 1059 lbf |
| Moving mass at 0 mm stroke | 16217 oz |
| Additional moving mass per 10 mm stroke | 2788 oz |
| Basic weight with 0 mm stroke | 61284 oz |
| Additional weight per 10 mm stroke | 711 oz |
| Type of mounting | Optionally: With through-hole With internal thread With accessories |
| Pneumatic connection | 1/8 NPT |

| Feature | Value |
|-----------------------------|---|
| Flange screws material | Steel |
| Cover material | Die-cast aluminum, coated |
| Material of dynamic seals | TPE-U(PU) |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |