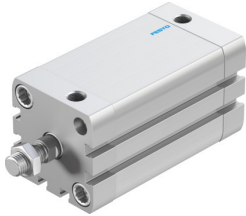


Compact air cylinder

ADN-1 5/8"-2 1/2"-A-P-A

Part number: 557107

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 2.5 in |
| Piston diameter | 1 5/8" |
| Piston rod thread | 3/8-24 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 | 0.516 ft-lbf |
| Theoretical force at 6 bar, retracting | 154 lbf |
| Theoretical force at 6 bar, advancing | 170 lbf |
| Moving mass at 0 mm stroke | 2.83 oz |
| Additional moving mass per 10 mm stroke | 1.31 oz |
| Basic weight with 0 mm stroke | 12.2 oz |
| Additional weight per 10 mm stroke | 0.319 oz |
| Type of mounting | With through-hole With internal thread With accessories Optionally: |
| Pneumatic connection | 1/8 NPT |

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