

Compact cylinder

ADNGF-3/4"-1/4"-P-A

Part number: 557214

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 | Value |
|--|--|
| Stroke | 0.25 " |
| Piston diameter | 3/4" |
| Based on the standard | ISO 21287 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Design structure | Piston Piston rod Profile barrel |
| Position detection | For proximity sensor |
| Protection against torque/guide | Guide rod with yoke |
| Operating pressure MPa | 0.1 ... 1 MPa |
| Working pressure | 1 ... 10 bar |
| 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 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -4 ... 176 °F |
| Impact energy in end positions | 0.148 ft-lbf |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 31.698 lbf |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 42.264 lbf |
| Moving mass with 0 mm stroke | 2.124 oz |
| Additional mass factor per 10 mm of stroke | 0.92 oz |
| Basic weight for 0 mm stroke | 5.699 oz |
| Additional weight per 10 mm stroke | 0.389 oz |
| Mounting type | with through hole with internal (female) thread with accessories Optional |
| Pneumatic connection | 10-32 UNF-2B |
| Material of flange screw | Steel |
| Material cover | Anodised wrought aluminium alloy |
| Material seals | NBR |
| Material of dynamic seals | TPE-U(PU) |
| Material end plate | Anodised wrought aluminium alloy |
| Material piston rod | High alloy steel |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |