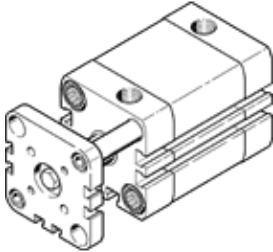


Compact cylinder ADNGF-1 1/4"-1/2"-P-A

Part number: 557233

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 | values |
|--|--|
| Stroke | 0.5 " |
| Piston diameter | 1 1/4" |
| 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 |
| Working pressure | 14.5 ... 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 | 0.295 ft-lbf |
| Theoretical force at 6 bar, return stroke | 93.296 lbf |
| Theoretical force at 6 bar, advance stroke | 108.583 lbf |
| Moving mass with 0 mm stroke | 4.319 oz |
| Additional weight per 10 mm stroke | 0.602 oz |
| Basic weight for 0 mm stroke | 11.576 oz |
| Additional mass factor per 10 mm of stroke | 1.345 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 |