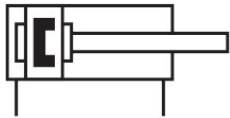


Flat cylinder
DZF-1/2"-8"-A-P-A
Part number: 194121

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 8 in |
| Piston diameter | 1/2" |
| Torsional backlash at piston rod +/- | 2.5 deg |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mode of operation | Double-acting |
| Protection against torque/guide | Oval piston |
| Operating pressure | 0.16 MPa...1 MPa 1.6 bar...10 bar |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 51 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 68 N |
| Moving mass for 0 mm stroke | 12 g |
| Additional moving mass per 10 mm stroke | 270 g |
| Additional weight per 10 mm stroke | 2 g |
| Basic weight for 0 mm stroke | 96 g |
| Pneumatic connection | 10-32 UNF-2B |
| Material cover | Aluminium |
| Material seals | FPM TPE-U(PU) |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |