

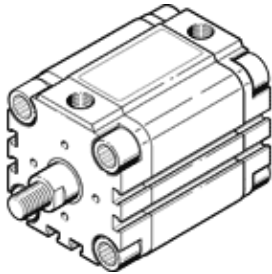
Compact cylinder

ADVU-100-80-A-P-A

Part number: 156671
Classic - do not use for new projects



For proximity sensing, piston-rod end with male thread.
Modern alternatives can be found by entering the first four characters of the type code in the search field.



Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	100 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.06 ... 1 MPa
Working pressure	6 ... 10 bar
Operating pressure	8.7 ... 145 psi
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	-20 ... 80 °C
Impact energy in end positions	1 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	4,418 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	4,712 N
Moving mass with 0 mm stroke	614 g
Additional mass factor per 10 mm of stroke	38 g
Basic weight for 0 mm stroke	2,797 g
Additional weight per 10 mm stroke	177 g
Mounting type	with through hole with accessories Optional
Pneumatic connection	G1/4
Material of flange screw	steel, galvanized
Material cover	Wrought Aluminum alloy
Material of dynamic seals	NBR TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminum alloy