

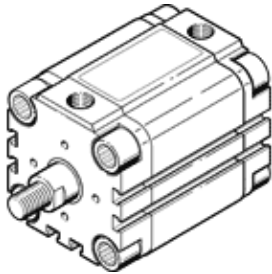
# compact cylinder

## 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	0.6 ... 10 bar
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
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1 J
Theoretical force at 6 bar, return stroke	4,418 N
Theoretical force at 6 bar, advance stroke	4,712 N
Moving mass with 0 mm stroke	614 g
Additional weight per 10 mm stroke	177 g
Basic weight for 0 mm stroke	2,797 g
Additional mass factor per 10 mm of stroke	38 g
Mounting type	with through hole with accessories Optional
Pneumatic connection	G1/4
Material of flange screw	steel, galvanized
Material cover	Wrought Aluminium alloy
Material of dynamic seals	NBR TPE-U(PU)
Material piston rod	High alloy steel
Material cylinder barrel	Wrought Aluminium alloy