

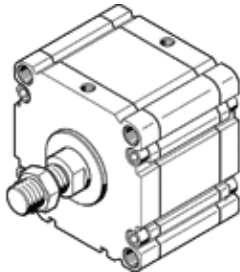
# compact cylinder

## ADVU-125-80-A-P-A

Part number: 175770  
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	125 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	0.05 ... 1 MPa
Operating pressure	0.5 ... 10 bar 7.25 ... 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	3.3 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	6,881 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	7,363 N
Moving mass with 0 mm stroke	1,317 g
Additional mass factor per 10 mm of stroke	63 g
Basic weight for 0 mm stroke	3,426 g
Additional weight per 10 mm stroke	168 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