

short-stroke cylinder

ADVC-80-10-A-P-A

Part number: 188316
Product to be discontinued

FESTO

For proximity sensing, piston-rod end with male thread.
Type to be discontinued. Available until 2026. See Support Portal for alternative products.



Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	80 mm
Based on the standard	ISO 6431 Hole pattern VDMA 24562
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston Piston rod
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 1 MPa
Operating pressure	1 ... 10 bar 14.5 ... 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	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass	277 g
Moving mass with 0 mm stroke	265 g
Additional mass factor per 10 mm of stroke	24 g
Product weight	1,176 g
Basic weight for 0 mm stroke	1,119 g
Additional weight per 10 mm stroke	114 g
Mounting type	with through hole with accessories Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy Anodised
Material seals	TPE-U(PU)
Material housing	Wrought Aluminium alloy Anodised
Material piston rod	High alloy steel