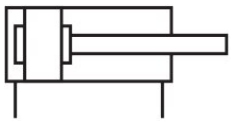
Short-stroke cylinder
ADVC-80-10-I-P

Part number: 188312





Data sheet

Feature	Value
Stroke	10 mm
Piston diameter	80 mm
Based on standard	ISO 6431 Hole pattern VDMA 24562
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod
Position detection	Without
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar 14.5 psi...145 psi
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	1 - Low 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	2827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	3016 N
Moving mass	327 g
Moving mass for 0 mm stroke	315 g
Additional moving mass per 10 mm stroke	24 g
Product weight	993 g
Basic weight for 0 mm stroke	994 g
Additional weight per 10 mm stroke	112 g
Type of mounting	Either: With through-hole With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant

Feature	Value
Material cover	Wrought aluminium alloy Anodised
Material seals	NBR TPE-U(PU)
Material housing	Wrought aluminium alloy Anodised
Material piston rod	High-alloy steel