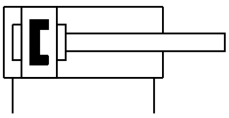
Compact air cylinder ADVULQ-80-50-P-A

Part number: 156746



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	80 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	Internal thread
Structural design	Piston Piston rod
Position sensing	For proximity sensor
Variants	Piston rod at one end
Protection against torsion/guide	Square piston rod
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar 14.5 psi...145 psi
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	0.75 J
Theoretical force at 6 bar, retracting	2827 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass at 0 mm stroke	307 g
Additional moving mass per 10 mm stroke	25 g
Basic weight with 0 mm stroke	1772 g
Additional weight per 10 mm stroke	168 g
Type of mounting	Optionally: With through-hole With accessories
Pneumatic connection	G1/8
Flange screws material	Steel, galvanized
Cover material	Wrought aluminum alloy

Feature	Value
Material of dynamic seals	NBR TPE-U(PU)
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy