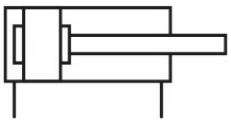
Compact cylinder
ADN-S-25-45-A-P

Part number: 8092106





Data sheet

Feature	Value
Stroke	45 mm
Piston diameter	25 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston rod end	External thread
Structural design	Piston Piston rod
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1 MPa 0.6 bar...10 bar
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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Ambient temperature	0 °C...80 °C
Impact energy in the end positions	0.18 J
Theoretical force at 6 bar, retracting	247 N
Theoretical force at 6 bar, advancing	295 N
Moving mass at 0 mm stroke	17 g
Additional moving mass per 10 mm stroke	6 g
Basic weight with 0 mm stroke	70 g
Additional weight per 10 mm stroke	30 g
Type of mounting	Alternatively: With through-hole With internal thread With accessories
Pneumatic connection	M5
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy, anodized
Material of dynamic seals	NBR
Housing material	Wrought aluminum alloy, anodized

Feature	Value
Piston rod material	high-alloy stainless steel