

Compact air cylinder ADN-3"-2 1/2"-A-P-A

Part number: 557161

FESTO



Data sheet

Feature	Value
Stroke	63.5 mm
Piston diameter	3"
Piston rod thread	5/8-18 UNF-2A
Type code	ADN
Based on norm	ISO 21287
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 Profile barrel
Position sensing	For proximity sensor
Variants	Piston rod at one end
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Operating pressure	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
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	1.79917 J
Theoretical force at 6 bar, retracting	2827.001 N
Theoretical force at 6 bar, advancing	3016.002 N
Moving mass at 0 mm stroke	401.436 g
Additional weight per 10 mm stroke	25.09 g
Basic weight with 0 mm stroke	1304.667 g
Additional moving mass per 10 mm stroke	79.295 g
Type of mounting	Optionally: With through-hole With internal thread With accessories
Pneumatic connection	1/8 NPT
Flange screws material	Steel
Cover material	Wrought aluminum alloy Anodized
Material of dynamic seals	TPE-U(PU)

Feature	Value
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized