

# High-force cylinder ADNH-100- -

Part number: 539694

**FESTO**



## Data sheet

Feature	Value
Stroke	5 mm...150 mm
Piston diameter	100 mm
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	Extended male piston rod thread Custom thread on the piston rod Extended piston rod Heat-resistant seals max. 120°C Laser etched rating plate
Operating pressure	0.06 MPa...1 MPa 0.6 bar...10 bar
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	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	4417 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	18281 N
Type of mounting	Via female thread With accessories Either:
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy Anodised
Material seals	TPE-U(PU)
Material housing	Wrought aluminium alloy Anodised

Feature	Value
Material piston rod	High-alloy steel