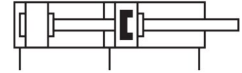


High-force cylinder ADNH-100- -

Part number: 539694

FESTO



[General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

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	Any
Mode of operation	Double-acting
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Symbol	00991223 00991246 00991267
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
Operating pressure	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	With female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy anodised
Material seals	TPE-U(PU)
Material housing	anodised
Material piston rod	High-alloy steel