

# Standards-based cylinder DSNA-N-2 1 1/2" - -

Part number: 8117045

**FESTO**



## Data sheet

Feature	Value
Stroke	0.25 in...48 in
Piston diameter	2 1/2"
Piston rod thread	7/16-20 UNF-2B 7/16-20 UNF-2A 5/8-18 UNF-2A 1/2-20 UNF-2A
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	NFPA/T3.6.7
Piston rod end	External thread Internal thread
Structural design	Piston Piston rod Tie rod Cylinder barrel
Position sensing	For proximity sensor
Variants	Flange on end cap Flange on bearing cap Foot mounting Internal thread on piston rod Special thread on piston rod Swiveling rod eye mounting on the end cap Through piston rod Screwed-on swivel mounting position Swivel mounting on end cap Swivel clevis on end cap Spacer bolt on end cap end Spacer bolt on bearing cap end Temperature range -5 - 80°C Piston rod at one end
Operating pressure	0.048 MPa...0.965 MPa 0.48 bar...9.65 bar 6.96 psi...139.925 psi
Mode of operation	Double-acting
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 zone III

Feature	Value
Ambient temperature	-5 °C...80 °C
Theoretical force at 6 bar, retracting	393 N
Theoretical force at 6 bar, advancing	420 N
Type of mounting	Direct fastening via thread With accessories Optionally:
Pneumatic connection	3/8 NPT
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Seals material	FPM NBR
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized