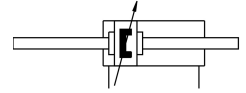


# Standards-based cylinder DSNA-N-2 1/2" - -

FESTO

Part number: 8117045



## 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	optional
Conforms to standard	NFPA/T3.6.7
Piston-rod end	Male thread Female thread
Design	Piston Piston rod Tie rod Cylinder barrel
Position detection	Via proximity switch
Variants	Flange on end cap Flange on bearing cap Foot mounting Piston rod with female thread Custom thread on the piston rod Swivelling rod eye mounting on the end cap Through piston rod Screwed-on swivel mounting position Swivel mounting on the end cap With swivel clevis on the end cap Spacer bolt on end cap side Spacer bolt on bearing cap side 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 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	1 - Low corrosion stress

Feature	Value
LABS (PWIS) conformity	VDMA24364 zone III
Ambient temperature	-5 °C...80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	393 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	420 N
Type of mounting	Either: Direct mounting via thread With accessories
Pneumatic connection	3/8 NPT
Note on materials	RoHS-compliant
Material cover	Die-cast aluminium, coated
Material seals	FPM NBR
Material piston rod	High-alloy stainless steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy