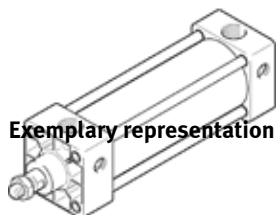


# standards-based cylinder

## DSNA-N-2 1/2" - -

Part number: 8117045

FESTO



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	0.25 ... 48 "
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	PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Conforms to standard	NFPA/T3.6.7
Piston-rod end	Male thread Female thread
Design structure	Piston Piston rod Tie rod Cylinder barrel
Position detection	For proximity sensor
Variants	Female thread on piston rod Piston rod with special thread Through piston rod Screwed swivel mounting position Spacer bolt on end cap side Spacer bolt on bearing cap side Temperature range -5 - 80 °C Single-ended piston rod Flange on the bearing cap Flange on the end cap Swivel clevis on the end cap Swivel mounting on the end cap Foot mounting Swivelling rod eye mounting on the end cap
Operating pressure MPa	0.048 ... 0.965 MPa
Operating pressure	0.48 ... 9.65 bar 6.96 ... 139.925 psi
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364 zone III
Ambient temperature	-5 ... 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	393 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	420 N
Mounting type	Direct mounting via threads with accessories

Feature	Value
	Optional
Pneumatic connection	3/8 NPT
Materials note	Conforms to RoHS
Material cover	Die-cast aluminium, coated
Material seals	FPM NBR
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	Smooth-anodised wrought aluminium alloy