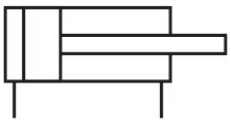
Standards-based cylinder
DSNB-N-...-1 1/2"- -

Part number: 8161111



General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1.5875 mm ... 2513.0125 mm
Piston diameter	1 1/2"
Piston rod thread	7/8-14 UNF-2A 7/16-20 UNF-2B 7/16-20 UNF-2A 3/4-16 UNF-2B 3/4-16 UNF-2A 1/2-20 UNF-2A
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends No cushioning Pneumatic cushioning at both ends, non-adjustable Pneumatic cushioning at the front, non-adjustable Pneumatic cushioning at the rear, non-adjustable Pneumatic cushioning at the front, adjustable Pneumatic cushioning at the rear, adjustable
Mounting position	Any
Conforms to standard	NFPA/T3.6.7
Piston rod end	External thread Bolt with male thread Internal thread
Structural design	Piston Piston rod Tie rod Cylinder barrel
Position sensing	For proximity sensor None
Symbol	00991215 00991216 00991217 00991219 00991222 00991227 00991231 00991234 00991235 00991237 00991245

Feature	Value
Variants	Extended external thread piston rod Extended piston rod Direct mounting via thread, frontal Swiveling rod eye mounting on the end cap Trunnion mounting on bearing cap Trunnion mounting on end cap Metal scraper Transverse load increased Low friction 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 bolts at both ends Spacer bolt on bearing cap end Temperature range 0 to + 150°C Piston rod at one end
Adjusting screw position	Rotated through 0° Rotated through 90° Rotated through 180° Rotated through 270°
Operating pressure	0.048 MPa ... 1 MPa
Operating pressure	0.48 bar ... 10 bar
Operating pressure	6.96 psi ... 145 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
Ambient temperature	-20 °C ... 150 °C
Ambient temperature Fahrenheit	-4 °F ... 302 °F
Theoretical force at 6 bar, retracting	563 N
Theoretical force at 6 bar, advancing	680 N
Type of mounting	With accessories
Pneumatic connection	1/8 NPT 1/4 NPT 3/8 NPT
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy, anodized
Seals material	FPM NBR PUR
Piston rod material	Steel, hard-chrome-plated
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized