



## ISO cylinder □ DSBC-100-320-PPSA- N3

URL: <https://www.sxplc.com/iso-cylinder-dsbc-100-320-ppsa-n3>

### Product data sheet

- **Stroke** 1 mm ... 2800 mm
- **Piston diameter** 100 mm
- **Piston rod thread** M20x1.5
- **Cushioning** Self-adjusting pneumatic end-position cushioning
- **Mounting position** optional
- **Conforms to standard** ISO 15552
- **Piston-rod end** Male thread
- **Design** Piston Piston rod Profile barrel
- **Position detection** Via proximity switch
- **Symbol** 00992970
- **Variants** Piston rod at one end
- **Operating pressure** 0.04 MPa ... 1.2 MPa
- **Operating pressure** 0.4 bar ... 12 bar
- **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** CRC2 - Moderate corrosion stress
- **LABS (PWIS) conformity** VDMA24364-B1/B2-L
- **Ambient temperature** -20 °C ... 80 °C
- **Impact energy in end positions** 2.5 J
- **Cushioning length** 31 mm
- **Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke** 4418 N
- **Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke** 4712 N
- **Moving mass for 0 mm stroke** 1000 g
- **Additional moving mass per 10 mm stroke** 39 g
- **Basic weight for 0 mm stroke** 3665 g
- **Additional weight per 10 mm stroke** 101 g
- **Type of mounting** Either: Via female thread With accessories
- **Pneumatic connection** G1/2
- **Note on materials** RoHS-compliant
- **Material cover** Die-cast aluminium, coated
- **Material piston seal** TPE-U(PU)
- **Material piston** Wrought aluminium alloy
- **Material piston rod** High-alloy steel
- **Material piston rod wiper** TPE-U(PU)

- **Buffer seal material**TPE-U(PU)
- **Cushioning piston material**POM
- **Material cylinder barrel**Smooth-anodised wrought aluminium alloy
- **Material nut**Galvanised steel
- **Material bearing**POM
- **Material collar screws**Galvanised steel

