

ISO cylinder DSBG-320- -PPVA-N3

Part number: 3150987

FESTO



[PDF](#) General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 2250 mm
Piston diameter	320 mm
Piston rod thread	M48x2
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Structural design	Piston Piston rod Tie rod Cylinder barrel
Position sensing	For proximity sensor
Symbol	00991235
Variants	Piston rod at one end
Operating pressure	0.06 MPa ... 1 MPa
Operating pressure	0.6 bar ... 10 bar
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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 80 °C
Cushioning length	65 mm
Cushioning length, advancing	65 mm
Cushioning length, retracting	65 mm
Theoretical force at 6 bar, retracting	46385 N
Theoretical force at 6 bar, advancing	48255 N
Moving mass at 0 mm stroke	16912 g
Additional moving mass per 10 mm stroke	249 g
Basic weight with 0 mm stroke	50231 g
Additional weight per 10 mm stroke	623 g
Type of mounting	With internal thread With accessories
Pneumatic connection	G1
Note on materials	RoHS-compliant

Feature	Value
Cover material	Die-cast aluminum, coated
Piston seal material	NBR
Material of piston	Cast aluminum
Piston rod material	High-alloy steel
Piston rod wiper material	NBR
Buffer seal material	TPE-U(PU)
Cushion piston material	POM
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized
Nut material	Steel, galvanized
Material of bearing	Metal polymer compound
Collar nut material	Steel, galvanized
Tie rod material	High-alloy steel