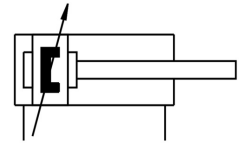


ISO cylinder DSBG-160-500-PPVA-N3

Part number: 2029473

FESTO



Data sheet

Feature	Value
Piston seal material	NBR
Piston rod wiper seal material	NBR
Cushion piston material	POM
Buffer seal material	TPE-U(PU)
Material of piston	Cast aluminum
Collar nut material	Steel, galvanized
Nut material	Steel, galvanized
Tie rod material	High-alloy steel
Material of bearing	Metal polymer compound
Stroke	500 mm
Piston diameter	160 mm
Piston rod thread	M36x2
Type code	DSBG
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Piston Piston rod Tie rod Cylinder barrel
Position sensing	For proximity sensor
Symbol	00991235
Variants	Piston rod at one end
Operating pressure	0.6 bar ... 10 bar
Operating pressure	0.06 MPa ... 1 MPa
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
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	3.3 J
Cushioning length	48 mm
Theoretical force at 6 bar, retracting	11310 N
Theoretical force at 6 bar, advancing	12064 N
Moving mass at 0 mm stroke	4292 g

Feature	Value
Additional weight per 10 mm stroke	97 g
Basic weight with 0 mm stroke	11751 g
Additional moving mass per 10 mm stroke	208 g
Type of mounting	Optionally: With internal thread With accessories
Pneumatic connection	G3/4
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized