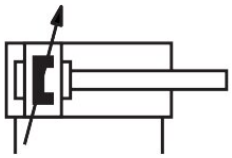
ISO cylinder
DSBG-200-50-PPVA-N3

Part number: 2390141





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	200 mm
Piston rod thread	M36x2
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 1 Cylinder barrel
Position sensing	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1 MPa 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
Impact energy in the end positions	4.8 J
Cushioning length	48 mm
Cushioning length, advancing	48 mm
Cushioning length, retracting	48 mm
Theoretical force at 6 bar, retracting	18096 N
Theoretical force at 6 bar, advancing	18850 N
Moving mass	5833 g
Moving mass at 0 mm stroke	5348 g
Additional moving mass per 10 mm stroke	97 g
Product weight	16723 g
Basic weight with 0 mm stroke	15493 g

Feature	Value
Additional weight per 10 mm stroke	246 g
Type of mounting	Alternatively: With internal thread With accessories
Pneumatic connection	G3/4
Note on materials	RoHS compliant
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	Galvanized steel
Tie rod material	High-alloy steel