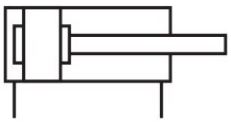
ISO cylinder
DSBG-200-50-P-N3

Part number: 2537450





Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	200 mm
Piston rod thread	M36x2
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston-rod end	Male thread
Design	Piston Piston rod Tie rod 1 Cylinder barrel
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 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 CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	4.8 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	18096 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	18850 N
Moving mass	5833 g
Moving mass for 0 mm stroke	5348 g
Additional moving mass per 10 mm stroke	97 g
Product weight	16723 g
Basic weight for 0 mm stroke	15493 g
Additional weight per 10 mm stroke	246 g
Type of mounting	Either: With female thread With accessories

Feature	Value
Pneumatic connection	G3/4
Note on materials	RoHS compliant
Material cover	Cast aluminium, coated
Material piston seal	NBR
Material piston	Cast aluminium
Material piston rod	High-alloy steel
Material piston rod wiper	NBR
Buffer seal material	TPE-U(PU)
Material of cushioning boss	POM
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	Galvanised steel
Material bearing	Metal polymer compound
Material collar nut	Galvanised steel
Material tie rod	High-alloy steel