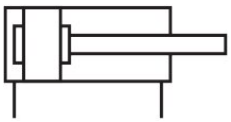
ISO cylinder
DSBG-200-80-P-N3

Part number: 2537451





Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	200 mm
Piston rod thread	M36x2
Cushioning	Elastic cushioning rings/pads 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
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
Theoretical force at 6 bar, retracting	18096 N
Theoretical force at 6 bar, advancing	18850 N
Moving mass	6124 g
Moving mass at 0 mm stroke	5348 g
Additional moving mass per 10 mm stroke	97 g
Product weight	17461 g
Basic weight with 0 mm stroke	15493 g
Additional weight per 10 mm stroke	246 g
Type of mounting	Alternatively: With internal thread With accessories
Pneumatic connection	G3/4

Feature	Value
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