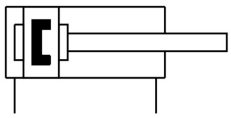
ISO cylinder
DSBG-200-250-P-N3

Part number: 2537457



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	Aluminium-Guss
Werkstoff Bundmutter	Stahl, verzinkt
Nut material	Steel, galvanized
Material of bearing	Metall-Polymer-Verbund
Tie rod material	hochlegierter Stahl
Stroke	250 mm
Piston diameter	200 mm
Piston rod thread	M36x2
Type code	DSBG
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Piston Piston rod Tie rod Cylinder barrel
Symbol	00991217
Variants	Piston rod at one end
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
Ambient temperature	-20 °C ... 80 °C
Impact energy in the end positions	4.8 J
Cushioning length	48 mm
Theoretical force at 6 bar, retracting	18096 N
Theoretical force at 6 bar, advancing	18850 N
Moving mass at 0 mm stroke	5348 g
Additional weight per 10 mm stroke	97 g
Basic weight with 0 mm stroke	15493 g

Feature	Value
Additional moving mass per 10 mm stroke	249 g
Type of mounting	With accessories Optionally: With internal thread
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