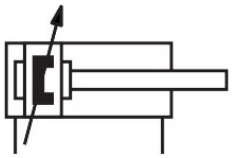
ISO cylinder
DSBG-250- -PPVA-N3

Part number: 2865078





Data sheet

Feature	Value
Stroke	1 mm...2250 mm
Piston diameter	250 mm
Piston rod thread	M42x2
Cushioning	Pneumatic cushioning, adjustable 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
Position detection	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 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
Cushioning length	55 mm
Cushioning length, advance stroke	55 mm
Cushioning length, return stroke	55 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	28274 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	29452 N
Moving mass for 0 mm stroke	9978 g
Additional moving mass per 10 mm stroke	157 g
Basic weight for 0 mm stroke	29313 g
Additional weight per 10 mm stroke	384 g
Type of mounting	Either: With female thread

Feature	Value
	With accessories
Pneumatic connection	G1
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