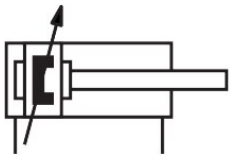
ISO cylinder
DSBG-160-320-PPVA-N3

Part number: 2029471





Data sheet

Feature	Value
Stroke	320 mm
Piston diameter	160 mm
Piston rod thread	M36x2
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
Impact energy in end positions	3.3 J
Cushioning length	48 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	11310 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	12064 N
Moving mass	7396 g
Moving mass for 0 mm stroke	4292 g
Additional moving mass per 10 mm stroke	97 g
Product weight	18407 g
Basic weight for 0 mm stroke	11751 g
Additional weight per 10 mm stroke	208 g
Type of mounting	Either:

Feature	Value
	With female thread With accessories
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