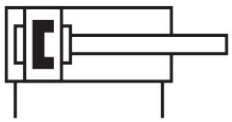
ISO cylinder
DSBG-250- -P-N3

Part number: 2865145



Data sheet

Feature	Value
Stroke	1 mm...2250 mm
Piston diameter	250 mm
Piston rod thread	M42x2
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Piston-rod end	Male thread
Design	Piston Piston rod Tie rod 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	7.2 J
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	Via female thread With accessories Either:
Pneumatic connection	G1
Note on materials	RoHS-compliant
Material cover	Cast aluminium, coated

Feature	Value
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)
Cushioning boss material	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