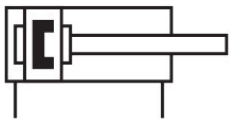
ISO cylinder
DSBG-250- -P-N3

Part number: 2865145



Data sheet

Feature	Value
Stroke	1 mm...2250 mm
Piston diameter	250 mm
Piston rod thread	M42x2
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Piston rod end	External thread
Structural 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 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	7.2 J
Theoretical force at 6 bar, retracting	28274 N
Theoretical force at 6 bar, advancing	29452 N
Moving mass at 0 mm stroke	9978 g
Additional moving mass per 10 mm stroke	157 g
Basic weight with 0 mm stroke	29313 g
Additional weight per 10 mm stroke	384 g
Type of mounting	With internal thread With accessories Optionally:
Pneumatic connection	G1
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston seal material	NBR

Feature	Value
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	Steel, galvanized
Tie rod material	High-alloy steel