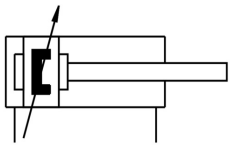
ISO cylinder
DSBG-32-160-PPVA-N3

Part number: 1638849





Data sheet

Feature	Value
Piston seal material	TPE-U(PU)
Piston rod wiper seal material	TPE-U(PU)
Cushion piston material	POM
Buffer seal material	TPE-U(PU)
Material of piston	Wrought aluminum alloy
Werkstoff Bundmutter	Stahl, verzinkt
Nut material	Steel, galvanized
Material of bearing	POM
Tie rod material	hochlegierter Stahl
Stroke	160 mm
Piston diameter	32 mm
Piston rod thread	M10x1.25
Type code	DSBG
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Cylinder barrel Tie rod Piston rod Piston
Position sensing	For proximity sensor
Symbol	00991235
Variants	Piston rod at one end
Operating pressure	0.6 bar ... 12 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	0.4 J
Cushioning length	17 mm
Theoretical force at 6 bar, retracting	415 N
Theoretical force at 6 bar, advancing	483 N
Moving mass at 0 mm stroke	110 g
Additional weight per 10 mm stroke	25 g

Feature	Value
Basic weight with 0 mm stroke	465 g
Additional moving mass per 10 mm stroke	9 g
Type of mounting	With internal thread Optionally: With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy