

Technical data

Part number: 1463495
 Order code 1 : DSBC-80-110-D3-PPVA-N3

Technical data

Feature name	Value
Stroke	110 mm
Piston diameter	80 mm
Piston rod thread	M20x1.5
Short type code	DSBC
Cushioning	pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Piston Piston rod Profile barrel
Position detection	For proximity switch
Variants	Piston rod at one end Sensor slots on 3 profile sides
Ambient temperature	-20...80 °C
Impact energy in the end positions	1.8 J
Cushioning length	0,000...31,000 mm
Operating mode	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Note on operating/pilot medium	Lubricated operation possible (required for further use)
Corrosion resistance class KBK	moderate corrosion stress - 2
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2721 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advancing	3016 N
Product weight	4293 g
Moving mass	1239 g
Type of mounting	Alternatively: With internal thread "With accessories" means indirect mounting via an intermediate element.
Pneumatic connection	G3/8
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston seal material	TPE-U(PU)
Piston material	Wrought aluminum alloy
Piston rod material	High-alloy steel
Piston rod wiper seal material	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushioning boss material	POM
Cylinder barrel material	Wrought aluminum alloy, smooth-anodized
Nut material	Steel, galvanized
Bearing material	POM
Flange screws material	Steel, galvanized
Protective bellows material	NBR