

Technical data

FESTO

 Condition of use

Part number: 1463770
Order code 1: DSBC-50-160-C-PPVA
Order-ID: C140931

Technical data

Feature name	Value
Stroke	160 mm
Piston diameter	50 mm
Piston rod thread	M16x1,5 M16x1.5
Short type code	DSBC
Based on standard	ISO 15552
Cushioning	PPV Pneumatic cushioning, adjustable at both ends
Mounting position	beliebig Any
Piston rod end	External thread
Design	Kolben Piston Kolbenstange Piston rod Profilrohr Profile barrel
Position detection	For proximity switch
Variants	lamping unit attached Piston rod at one end
Mode of operation clamping unit	Retracting Extending Static Loosening through compressed air Frictional clamping via spring force
Static holding force of clamping unit	1400 N
Axial backlash clamping unit	0.8 mm
Clamping unit release pressure	0.3 MPa 3 bar
Operating pressure (MPa)	0,150...1,200 MPa
Operating pressure (bar)	1,500...12,000 bar
Ambient temperature	-10 - 80 °C -10...80 °C
Impact energy in the end positions	1 J
Cushioning length	0,000...22,000 mm
Operating mode	doppeltwirkend Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Note on operating/pilot medium	Geölt.Betr.moegl(dann erford) 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	990 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advancing	1178 N
Product weight	2836 g
Moving mass	940 g
Type of mounting	Alternatively: With internal thread "With accessories" means indirect mounting via an intermediate element.
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Spring material	Spring steel
Clamping unit housing material	Anodized wrought aluminum alloy
Piston seal material	TPE-U(PU)
Clamping jaws clamping unit material	Brass
Piston clamping unit material	POM
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	Alu-Knetlegierung gleitelox. Wrought aluminum alloy, smooth-anodized
Nut material	Steel, galvanized
Bearing material	POM
Flange screws material	Steel, galvanized
Protective bellows material	NBR