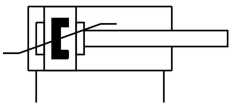
ISO cylinder DSBC-32-500-PPSA-N3

Part number: 1376478



Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	32 mm
Piston rod thread	M10x1.25
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Piston rod at one end
Operating pressure	0.06 MPa...1.2 MPa 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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 6 according to ISO 14644-1
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 moving mass per 10 mm stroke	9 g
Basic weight with 0 mm stroke	465 g
Additional weight per 10 mm stroke	27 g
Type of mounting	Optionally: With internal thread With accessories
Pneumatic connection	G1/8

Feature	Value
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston seal material	TPE-U(PU)
Material of piston	Wrought aluminum alloy
Piston rod material	High-alloy steel
Piston rod wiper material	TPE-U(PU)
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	POM
Flange screws material	Steel, galvanized