Hinge cylinder
DWA-63-100-Y-AB

Part number: 549714



Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	63 mm
Piston rod thread	M16x1.5
Wide rod clevis/swivel mounting	16 mm
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Structural design	Piston Piston rod with rod clevis Swivel mounting on bearing cap Cylinder barrel
Velocity control	Integrated flow control at both ends
Position sensing	Via proximity switch
Piston rod end	External thread with rod clevis
Operating pressure	1 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)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-10 °C...60 °C
Impact energy in the end positions	1.3 J
Cushioning length	20 mm
Theoretical force at 6 bar, retracting	1682 N
Theoretical force at 6 bar, advancing	1870 N
Moving mass at 0 mm stroke	741 g
Additional moving mass per 10 mm stroke	25 g
Basic weight with 0 mm stroke	1600 g
Additional weight per 10 mm stroke	42 g
Alternative connections	See product drawing
Type of mounting	With swivel mounting on bearing cap With accessories
Pneumatic connection	Rc1/4
Rod clevis material	Cast steel

Feature	Value
	Quenched and tempered steel
Note on materials	RoHS compliant
Wiper material	Bronze
Cover material	Die-cast aluminum Anodized
Seals material	NBR
Piston rod material	Quenched and tempered steel Hard chrome-plated
Material of cylinder barrel	Wrought aluminum alloy Anodized