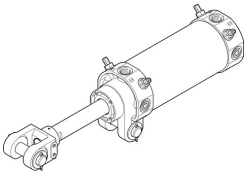
Hinge cylinder
DW-80-100-Y-AB

Part number: 557916



Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	80 mm
Piston rod thread	M20x1.5
Wide rod clevis/swivel mounting	28 mm
Type code	DW
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Design	Piston Piston rod with rod clevis Swivel mounting on bearing cap Cylinder barrel
Velocity control	Integrated flow control at both ends
Position sensing	For proximity sensor
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
Ambient temperature	-10 °C ... 60 °C
Impact energy in the end positions	1.8 J
Cushioning length	30 mm
Theoretical force at 6 bar, retracting	2721 N
Theoretical force at 6 bar, advancing	3016 N
Moving mass at 0 mm stroke	1651 g
Additional weight per 10 mm stroke	65 g
Basic weight with 0 mm stroke	4185 g
Additional moving mass per 10 mm stroke	39 g
Alternative connections	See product drawing
Type of mounting	With swivel mounting on bearing cap With accessories
Pneumatic connection	Rc3/8
Rod clevis material	Cast steel Tempered steel
Note on materials	RoHS-compliant
Scraper material	Bronze

Feature	Value
Cover material	Die-cast aluminum Anodized
Seals material	NBR
Piston rod material	Tempered steel Hard-chrome-plated
Material of cylinder barrel	Wrought aluminum alloy Anodized