

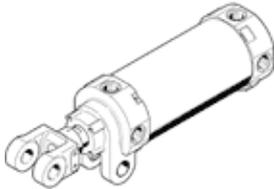
Hinge cylinder

DFAW-80-50-B8-PPSA

Part number: 2691530
Product to be discontinued

FESTO

Type to be discontinued. Available until 2019. See Support Portal for alternative products.



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	80 mm
Width of rod clevis	28 mm
Width of swivel mounting	28 mm
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Design structure	Piston Piston rod with rod clevis Swivel mounting on bearing cap Cylinder barrel
Speed regulation	Integrated flow control valves on both sides
Position detection	For proximity sensor
Piston-rod end	Male thread with rod clevis
Working pressure	1 ... 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	0 - No corrosion stress
Ambient temperature	-10 ... 60 °C
Cushioning length	30 mm
Theoretical force at 6 bar, return stroke	2,721 N
Theoretical force at 6 bar, advance stroke	3,016 N
Moving mass with 0 mm stroke	1,704 g
Additional weight per 10 mm stroke	64 g
Basic weight for 0 mm stroke	3,406 g
Additional mass factor per 10 mm of stroke	39 g
alternative connections	See product drawing
Mounting type	With swivel mounting on bearing cap with accessories
Pneumatic connection	G3/8
Material rod clevis	Cast steel
Materials note	Conforms to RoHS
Material wiper seal	Bronze
Material cover	Aluminum die cast
Material seals	NBR
Material piston rod	Heat-treatment steel hard-chromium plated
Material cylinder barrel	Wrought Aluminum alloy Anodized