

# hinge cylinder

## DFAW-50-100-B4-PPSA

Part number: 2689555  
Product to be discontinued

FESTO

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



### Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	50 mm
Width of rod clevis	16.5 mm
Width of swivel mounting	16.5 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
Operating 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	24 mm
Theoretical force at 6 bar, return stroke	990 N
Theoretical force at 6 bar, advance stroke	1,178 N
Moving mass with 0 mm stroke	539 g
Additional weight per 10 mm stroke	37 g
Basic weight for 0 mm stroke	1,103 g
Additional mass factor per 10 mm of stroke	25 g
alternative connections	See product drawing
Mounting type	With swivel mounting on bearing cap with accessories
Pneumatic connection	G1/4
Material rod clevis	Aluminium die cast Anodised
Materials note	Conforms to RoHS
Material wiper seal	Bronze
Material cover	Aluminium die cast
Material seals	NBR
Material piston rod	Heat-treatment steel hard-chromium plated
Material cylinder barrel	Wrought Aluminium alloy Anodised