

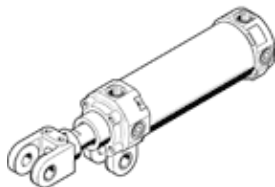
# hinge cylinder

## DFAW-50-125-B6-PPSA

Part number: 2689561  
Product to be discontinued

FESTO

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



### Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 125 mm  |
| Piston diameter                            | 50 mm   |
| Width of rod clevis                        | 19.5 mm   |
| Width of swivel mounting                   | 19.5 mm   |
| Cushioning                                 | PPS: Self-adjusting pneumatic end-position cushioning                                     |
| Assembly position                          | Any   |
| Design structure                           | Piston<br>Piston rod with rod clevis<br>Swivel mounting on bearing cap<br>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<br>with accessories                                   |
| Pneumatic connection                       | G1/4  |
| Material rod clevis                        | Aluminium die cast<br>Anodised  |
| Materials note                             | Conforms to RoHS  |
| Material wiper seal                        | Bronze  |
| Material cover                             | Aluminium die cast  |
| Material seals                             | NBR   |
| Material piston rod                        | Heat-treatment steel<br>hard-chromium plated  |
| Material cylinder barrel                   | Wrought Aluminium alloy<br>Anodised   |