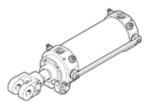
## hinge cylinder DWA-63-50-Y-A Part number: 549568



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 50 mm  |
| Piston diameter  | 63 mm  |
| Piston rod thread  | M16x1,5  |
| Distance of rod clevis to swivel mounting                | 16 mm  |
| Cushioning   | PPV: Pneumatic cushioning adjustable at both ends                |
| 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  |
| PWIS conformity  | VDMA24364-B2-L   |
| Ambient temperature                                      | -10 60 °C  |
| Impact energy in end positions                           | 1.3 J  |
| Cushioning length  | 20 mm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 1,682 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 1,870 N  |
| Moving mass with 0 mm stroke                             | 741 g  |
| Additional mass factor per 10 mm of stroke               | 25 g   |
| Basic weight for 0 mm stroke                             | 1,600 g  |
| Additional weight per 10 mm stroke                       | 42 g   |
| alternative connections                                  | See product drawing  |
| Mounting type  | With swivel mounting on bearing cap                              |
|  | with accessories   |
| Pneumatic connection                                     | Rc1/4  |
| Material rod clevis                                      | Cast steel   |
|  | Heat-treatment steel   |
| Materials note   | Conforms to RoHS   |
| Material wiper seal                                      | Bronze   |
| Material cover   | Aluminium die cast   |
|  | Anodised   |
| Material seals   | NBR  |
| Material piston rod                                      | Heat-treatment steel   |
|  | hard-chromium plated   |
| Material cylinder barrel                                 | Wrought Aluminium alloy  |
|  | Anodised   |

**FESTO**