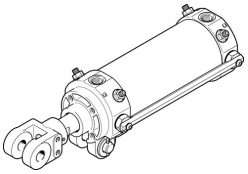
# Hinge cylinder
# DWA-50-75-Y-A-G

Part number: 565727



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 75 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M16x1.5 |
| Wide rod clevis/swivel mounting | 16 mm |
| Type code | DW |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Design | Cylinder barrel<br>Piston rod with rod clevis<br>Swivel mounting on bearing cap<br>Piston |
| 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 | 0.7 J |
| Cushioning length | 20 mm |
| Theoretical force at 6 bar, retracting | 990 N |
| Theoretical force at 6 bar, advancing | 1178 N |
| Moving mass at 0 mm stroke | 664 g |
| Additional weight per 10 mm stroke | 37 g |
| Basic weight with 0 mm stroke | 1338 g |
| Additional moving mass per 10 mm stroke | 25 g |
| Alternative connections | See product drawing |
| Type of mounting | With accessories<br>With swivel mounting on bearing cap |
| Pneumatic connection | G1/4 |
| Rod clevis material | Tempered steel<br>Cast steel |
| Note on materials | RoHS-compliant |
| Scraper material | Bronze |

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