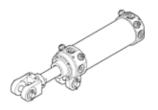
Hinge cylinder DWB-50-50-Y Part number: 549553





Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M16x1,5 |
| Distance of rod clevis to swivel mounting | 19.5 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 | No |
| 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 |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | -10 60 °C |
| Impact energy in end positions | 0.7 J |
| Cushioning length | 20 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 990 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 1,178 N |
| Moving mass with 0 mm stroke | 664 g |
| Additional mass factor per 10 mm of stroke | 25 g |
| Basic weight for 0 mm stroke | 1,338 g |
| Additional weight per 10 mm stroke | 37 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 | Aluminum die cast |
| | Anodized |
| Material seals | NBR |
| Material piston rod | Heat-treatment steel |
| | hard-chromium plated |
| Material cylinder barrel | Wrought Aluminum alloy |
| | Anodized |