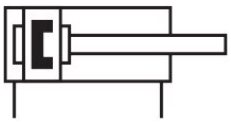
# ISO cylinder
# DSBG-160-25-P-N3

Part number: 2536747





General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Stroke | 25 mm |
| Piston diameter | 160 mm |
| Piston rod thread | M36x2 |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | optional |
| Conforms to standard | ISO 15552 |
| Piston-rod end | Male thread |
| Design | Piston<br>Piston rod<br>Tie rod<br>Cylinder barrel |
| Symbol | 00991217 |
| Variants | Piston rod at one end |
| Operating pressure | 0.06 MPa ... 1 MPa |
| Operating pressure | 0.6 bar ... 10 bar |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in end positions | 3.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 11310 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 12064 N |
| Moving mass | 4535 g |
| Moving mass for 0 mm stroke | 4292 g |
| Additional moving mass per 10 mm stroke | 97 g |
| Product weight | 12271 g |
| Basic weight for 0 mm stroke | 11751 g |
| Additional weight per 10 mm stroke | 208 g |
| Type of mounting | Either:<br>Via female thread<br>With accessories |
| Pneumatic connection | G3/4 |
| Note on materials | RoHS-compliant |
| Material cover | Cast aluminium, coated |

| Feature | Value |
|---|---|
| Material piston seal | NBR |
| Material piston | Cast aluminium |
| Material piston rod | High-alloy steel |
| Material piston rod wiper | NBR |
| Buffer seal material | TPE-U(PU) |
| Cushioning boss material | POM |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |
| Material nut | Galvanised steel |
| Material bearing | Metal polymer compound |
| Material collar nut | Galvanised steel |
| Material tie rod | High-alloy steel |