

MGQL63-50 SMC 63mmBore 50mmStroke Ball Bushing Guided Cylinder Datasheet



Brand: SMC

SKU: [1007814732850](#)

Category: Cylinders & Actuators

Price: **\$305.71**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mgql63-50-smc-63mmbore-50mmstroke-ball-bushing-guided-cylinder>

Product Description

SMC MGQL63-50 is a compact guided cylinder featuring a 63 mm bore, 50 mm stroke, and high-precision ball bushing bearings for smooth linear motion. The unit utilizes a double acting pneumatic mechanism with an aluminum alloy housing and carbon steel guide rods to isolate load bearings from the actuator rod and seals. It operates within a pressure range of 0.12 MPa to 1.0 MPa and includes rubber bumpers on both ends to minimize impact noise and vibration. The internal piston is equipped with a magnet for auto-switch sensing and requires no lubrication for standard operation.

MGQL63-50 Specifications

Model: MGQL63-50

Brand: SMC

Category: Guided Cylinder

Bore Size: 63 mm

Stroke: 50 mm

Bearing Type: Ball Bushing Bearing

Action: Double Acting

Fluid: Compressed Air

Proof Pressure: 1.5 MPa

Maximum Operating Pressure: 1.0 MPa

Minimum Operating Pressure: 0.12 MPa

Ambient and Fluid Temperature: -10 to 60 °C

Piston Speed: 50 to 500 mm/s

Cushion: Rubber Bumper on both ends

Stroke Length Tolerance: +1.5 mm

Port Size: Rc 1/4

Lubrication: Non-lube

Body Material: Aluminum Alloy

Guide Rod Material: Carbon Steel

Non-rotating Accuracy: +/- 0.06 °

MGQL63-50 Applications

Primary applications include integration into automated material handling systems, precision clamping fixtures, and pick-and-place robotic assemblies. Deployed within conveyor line stoppers, pneumatic lifting platforms, and industrial packaging machinery requiring high non-rotating accuracy and side load capacity.

Supplemental Images

