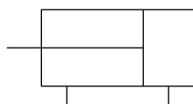


MGQM, Compact Guide Cylinder, Slide Bearing configurator MGQM16-30

Datasheet

The solution for a linear-actuator subject to high loads. Ideal for material handling applications. Two basic models include a self-lubricating slide bushing and a linear ball bearing style. The 100mm slide bushing model can stop a load of 1300 Kg. traveling at 280 mm(sg, or smoothly lift a centered load of 450 Kg. with a 40% safety factor. The overall package is very compact, and pre-tapped mounting holes ensure easy attachment of fixtures. Mounts on side or bottom. The MGQ offers bore sizes from 12 to 100mm and is switch capable.



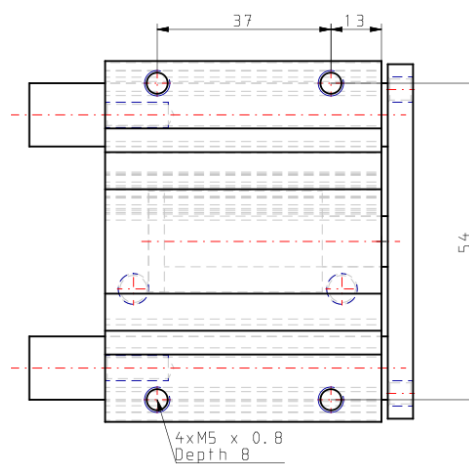
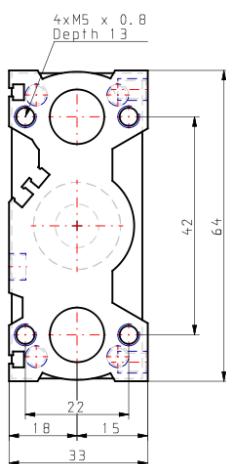
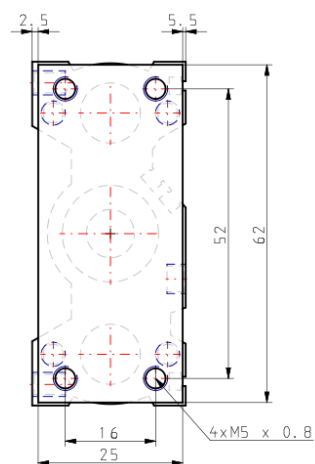
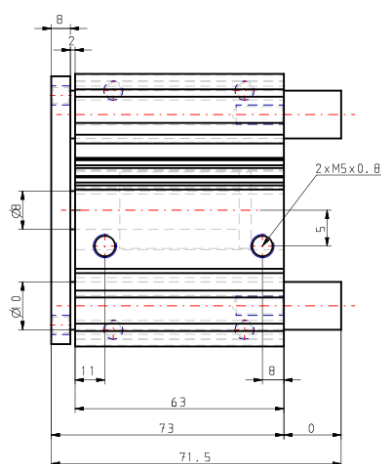
Double-acting, single-rod cylinder

Standard specifications

| | |
|--|---|
| Bore Size | 16mm |
| Thread Type | Metric (Bore ø12 to ø16) & Rc(PT) |
| Stroke | 30 |
| Auto Switch | No Switch |
| Lead Wire or Prewired Connector | 0.5m (Or None in the Case of No Switch) |
| Number | 2 pcs. (Or None in the Case of No Switch) |
| Rod End Options | None |
| Temperature Resistance | None |
| Low Speed | None |
| Fluororubber Seal | None |
| Pressure medium | Air |
| Maximum temperature of pressure medium | 60 °C |
| Minimum temperature of pressure medium | -10 °C (No freezing) |
| Maximum operating pressure | 1.0 MPa |
| Minimum operating pressure | 0.12 MPa |
| Proof pressure | 1.5 MPa |
| Maximum ambient temperature | 60 °C |
| Minimum ambient temperature | -10 °C (No freezing) |
| Conform to the European RoHS Directive | Conform |

| | |
|---|----------------------------|
| Numero of pneumatic connections | 2 pcs. |
| Pneumatic input connection | M5 x 0.8 |
| Mode of operation of drive | Double acting |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 101 N |
| Theoretical cylinder force, return stroke (at 0.5 MPa) | 76 N |
| Maximum piston speed | 500 mm/s |
| Type of cushioning | Rubber bumper on both ends |
| Minimum piston speed | 50 mm/s |
| Non-rotating accuracy of plate | $\pm 0.08^\circ$ |
| Lubrication | Non-lube |

Dimensions



Additional information

Catalogue

[MGQ_EU.pdf](#)