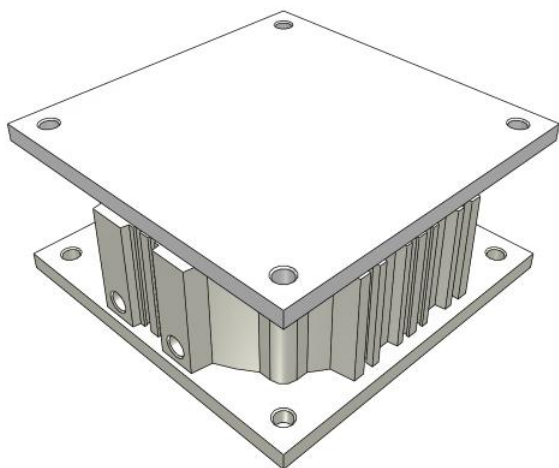




## MGF, Low Profile Guide Table MGF100TF-30

### Datasheet

### General series information

Series MGF guide tables are low profile, compact cylinders which utilize a large concentric guiding sleeve to provide excellent eccentric load resistance. Mounting is possible from 2 directions. A built-in non-rotating mechanism prevents rotation of the table top. T-slots are provided on 3 faces of the MGF body (except port face), allowing mounting of various brackets. Optional auto switches can be mounted on 4 faces of the body.



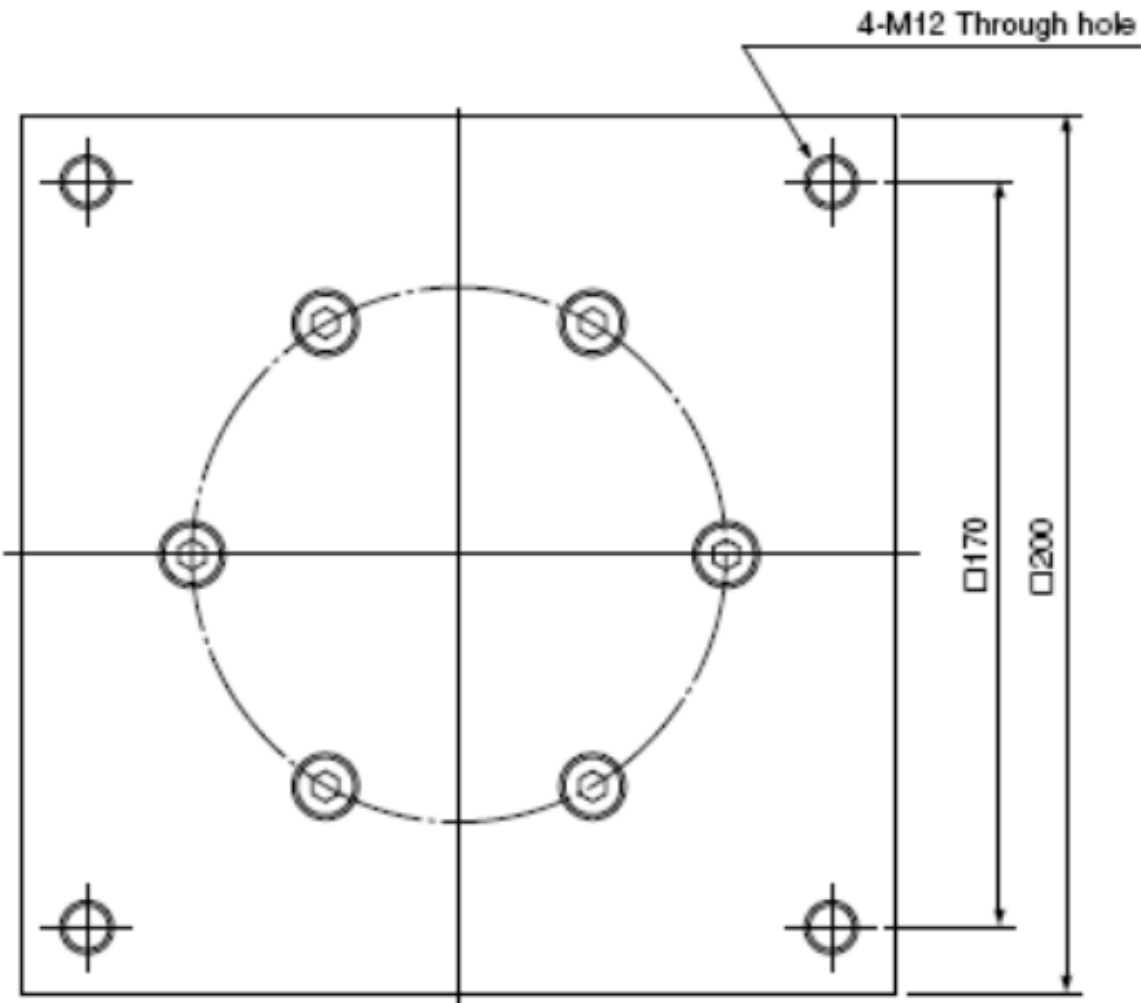
Double-acting, single-rod cylinder

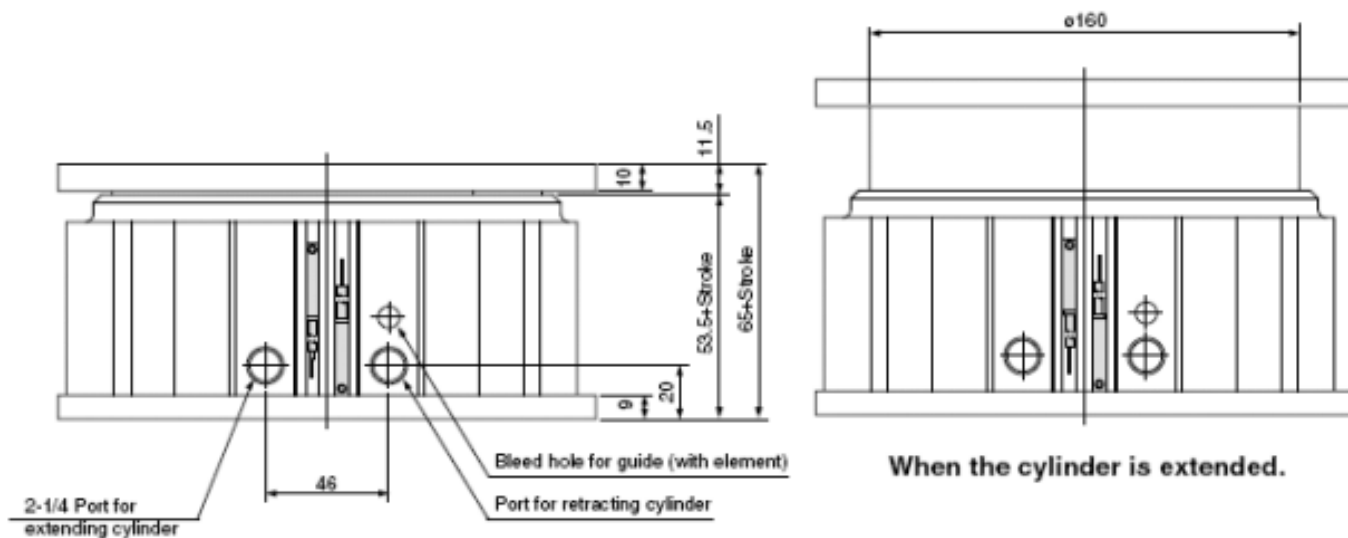
### Standard specifications

|                                                         |                                          |
|---------------------------------------------------------|------------------------------------------|
| Bore Size                                               | 100 mm                                   |
| Port Thread                                             | TF (G)                                   |
| Stroke                                                  | 30 mm                                    |
| Auto Switch                                             | No Switch                                |
| Lead Wire or Pre-wired Connector                        | 0.5 m (Or None in the Case of No Switch) |
| Number                                                  | 2 pcs. (Or None in Case of No Switch)    |
| Pressure medium                                         | Air                                      |
| Maximum temperature of pressure medium                  | 60 °c                                    |
| Minimum temperature of pressure medium                  | -10 °C                                   |
| Maximum operating pressure                              | 1.0 MPa                                  |
| Minimum operating pressure                              | 0.1 MPa                                  |
| Proof pressure                                          | 1.5 MPa                                  |
| Maximum ambient temperature                             | 60 °c                                    |
| Minimum ambient temperature                             | -10 °C                                   |
| Number of pneumatic connections                         | 2 pcs.                                   |
| Pneumatic input connection                              | G 1/4                                    |
| Mode of operation of drive                              | Double acting                            |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 3926 N                                   |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 3417 N                                   |

|                                |                            |
|--------------------------------|----------------------------|
| Maximum piston speed           | 200 mm/s                   |
| Type of cushioning             | Rubber bumper at both ends |
| Minimum piston speed           | 20 mm/s                    |
| Non-rotating accuracy of plate | $\pm 0.05^\circ$           |
| Lubrication                    | Not required               |
| Allowable rotational torque    | 30 N·m                     |
| Weight                         | 7.540 Kg                   |

Dimensions





## Additional information

Catalogue

[MGF\\_EU.pdf](#)