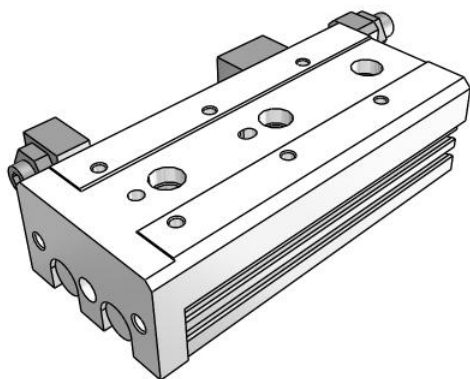




## MXS, Air Slide Table, Cross Roller Guide

### MXS12-50A

#### Datasheet

### General series information

- Air slide table
- Bore size: 6, 8, 12, 16, 20, 25 (mm)
- Strokes: 5mm to 150mm, depending upon bore size
- With or without stroke adjuster with or without shock
- Options: buffer, end lock, axial piping
- Variety of switches with a variety of wire lead lengths

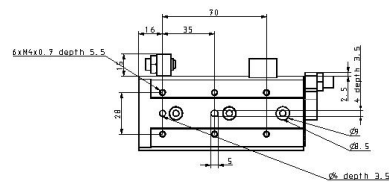
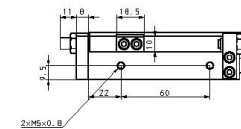
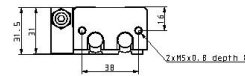
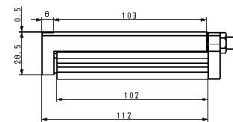
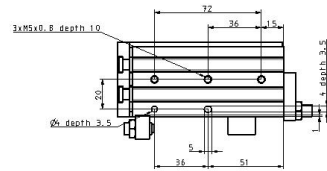
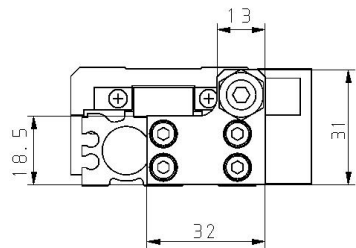


Double-acting, single-rod cylinder

### Standard specifications

|                                                    |                                                        |
|----------------------------------------------------|--------------------------------------------------------|
| Bore Size                                          | 12 mm                                                  |
| Port Thread                                        | Rc                                                     |
| Stroke                                             | 50 mm                                                  |
| Adjuster                                           | A (Both Sides Adjusters)                               |
| Function                                           | Standard                                               |
| Auto Switch                                        | No Switch                                              |
| Lead Wire or Prewired Connector                    | 05 M Lead Wire [Or None in the Case of No Auto Switch] |
| Number                                             | 2 pcs. [Or None in the Case of No Switch]              |
| Pressure medium                                    | Air                                                    |
| Maximum temperature of pressure medium with magnet | 60 °C                                                  |
| Minimum temperature of pressure medium with magnet | -10 °C                                                 |
| Maximum operating pressure                         | 0.7 MPa                                                |
| Minimum operating pressure                         | 0.15 MPa                                               |
| Proof pressure                                     | 1.05 MPa                                               |
| Maximum ambient temperature with magnet            | 60 °C                                                  |
| Minimum ambient temperature with magnet            | -10 °C                                                 |
| Number of pneumatic connections                    | 2 pcs.                                                 |

|                                                         |               |
|---------------------------------------------------------|---------------|
| Pneumatic input connection                              | M5            |
| Mode of operation of drive                              | Double acting |
| Theoretical cylinder force, advance stroke (at 0.5 MPa) | 113 N         |
| Theoretical cylinder force, return stroke (at 0.5 MPa)  | 85 N          |
| Maximum piston speed                                    | 500 mm/s      |
| Type of cushioning                                      | Rubber bumper |
| Minimum piston speed                                    | 50 mm/s       |
| Lubrication                                             | Non-lube      |
| Weight                                                  | 0.500 Kg      |



# Constructions

## Construction



### Component Parts

| No. | Description        | Material                         | Note                      |
|-----|--------------------|----------------------------------|---------------------------|
| ①   | Body               | Aluminum alloy                   | Hard anodized             |
| ②   | Table              | Aluminum alloy                   | Hard anodized             |
| ③   | End plate          | Aluminum alloy                   | Hard anodized             |
| ④   | Rail               | Carbon tool steel                | Heat treated              |
| ⑤   | Guide              | Carbon tool steel                | Heat treated              |
| ⑥   | Rod                | Stainless steel                  |                           |
| ⑦   | Piston assembly    |                                  | With magnet on one side   |
| ⑧   | Rod cover          | Aluminum alloy                   | Anodized                  |
| ⑨   | Seal support       | Brass                            | Electroless nickel plated |
| ⑩   | Head cap           | Resin                            |                           |
| ⑪   | Floating bushing   | Stainless steel                  |                           |
| ⑫   | Roller stopper     | Stainless steel                  |                           |
| ⑬   | Cylindrical roller | High carbon chrome bearing steel |                           |
| ⑭   | Roller spacer      | Resin                            |                           |
| ⑮   | Rod bumper         | Polyurethane                     |                           |
| ⑯   | End bumper         | Polyurethane                     |                           |
| ⑰   | Piston seal        | NBR                              |                           |
| ⑱   | Rod seal           | NBR                              |                           |
| ⑲   | O-ring             | NBR                              |                           |

## Additional information

Catalogue

[MXS\\_EU.pdf](#)