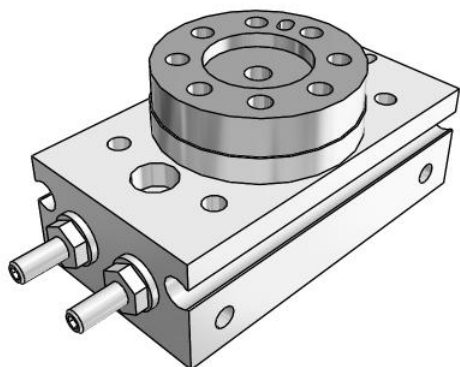


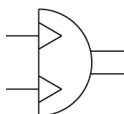


MSQB1-7, Rotary Table Rack & Pinion Type MSQB1AE

Datasheet

General series information

- Compact rotary table, rack-and pinion type
- Sizes: 1, 2, 3, 7
- Universal mounting style
- Wiring and piping can be selected according to mounting conditions
- Angle adjustment range: 0 to 190

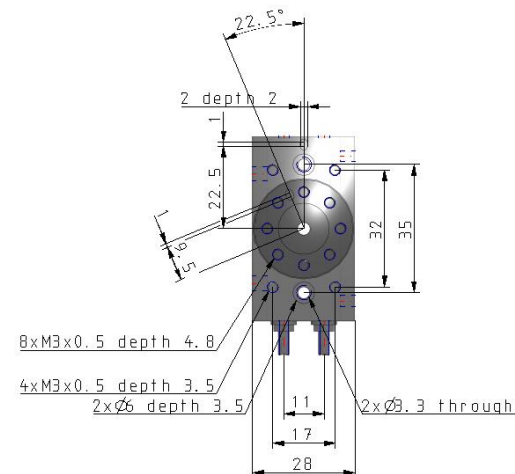
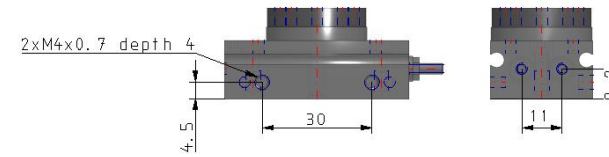
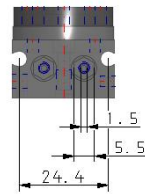
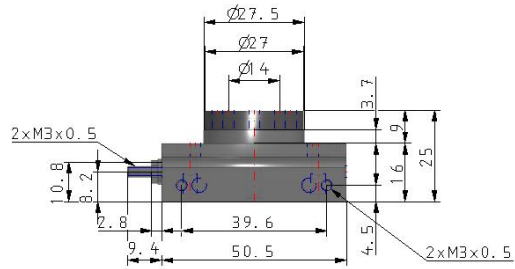
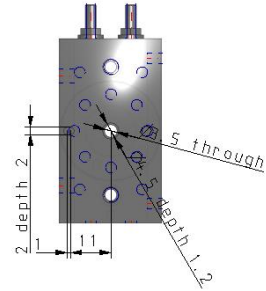


Semi-rotary actuator, double acting

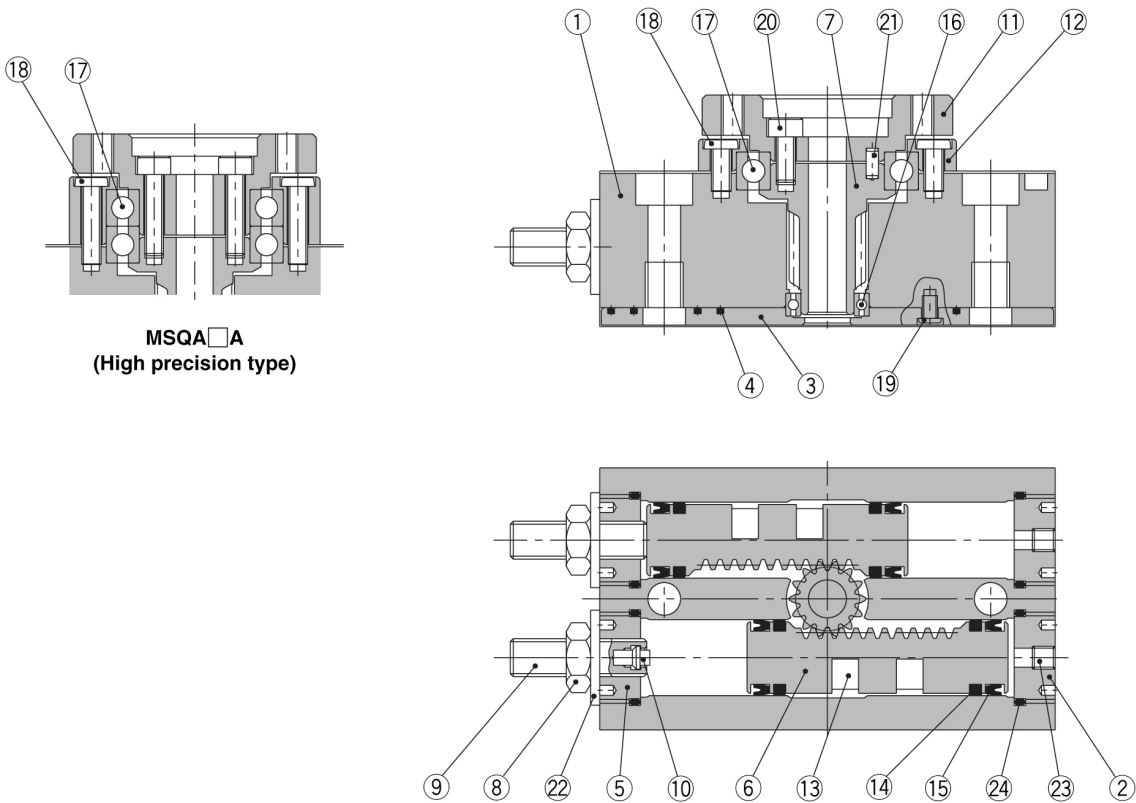
Standard specifications

Type	B (Basic Type)
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)
Size	1
Model	MSQ
Port Location	E (Front Port)
Auto Switch	No Switch
Clean Series	None
Pressure medium	Compressed air (non-lube)
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	0 °C
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.1 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	0 °C
Number of pneumatic connections	4 pcs.
Pneumatic input connection	M3
Mode of operation of drive	Double acting

-	0° to 190°
Weight	0.076 Kg



Constructions



MSQA□A
(High precision type)

Component parts

No.	Description		Material
1	Body		Aluminium alloy
2	Cover		Aluminium alloy
3	Plate		Aluminium alloy
4	Seal		NBR
5	End cover		Aluminium alloy
6	Piston		Stainless steel
7	Pinion		Chrome molybdenum steel
8	Hexagon nut		Steel wire
9	Adjustment bolt		Steel wire
10	Cushion pad	Size: 3, 7	Rubber material
11	Table		Aluminium alloy
12	Bearing retainer		Aluminium alloy
13	Magnet		Magnetic material
14	Wear ring		Resin

No.	Description		Material
15	Piston seal		NBR
16	Deep groove ball bearing		Bearing steel
17	Basic type	Deep groove ball bearing	Bearing steel
	High precision type	Special bearing	
18	Round head Philips screw No.0	Basic type	Steel wire
	Round head Philips screw	Size: 1 to 3	
	Round head Philips screw	Size: 7	
19	Round head Philips screw No.0	High precision type	Steel wire
	Hexagon socket head set bolt		
20	Hexagon socket head set bolt		Stainless steel
21	Parallel pin		Carbon steel
22	Seal washer		NBR
23	Hexagon socket head set screw		Stainless steel
24	O-ring		NBR

*23 The hexagon socket head set screws are tightened at different positions depending on the position of the connecting port.

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

Additional information

Catalogue

[MSQ_EU.pdf](#)

Operation manuals

[OM_MSQ_OM0002EN-B.pdf](#)