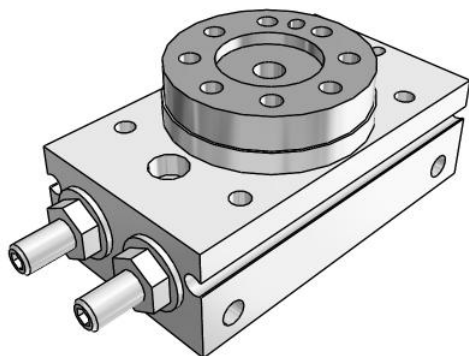


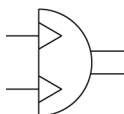


MSQB1-7, Rotary Table Rack & Pinion Type MSQB7AE

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

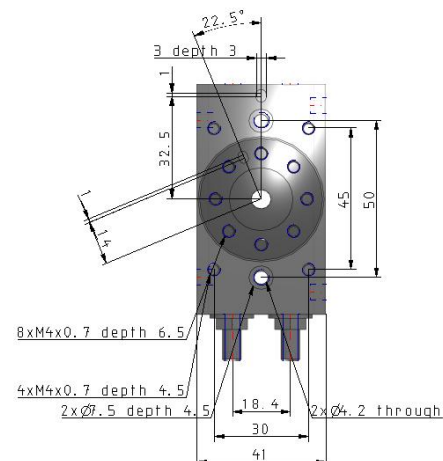
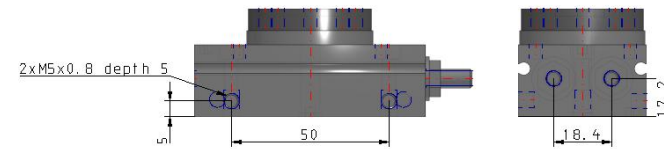
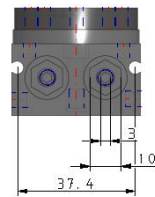
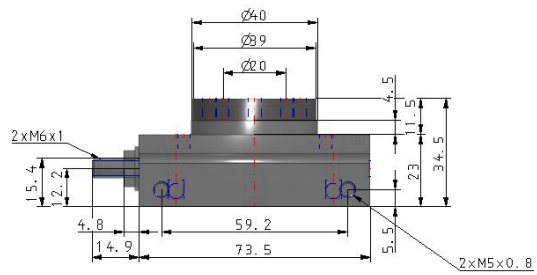
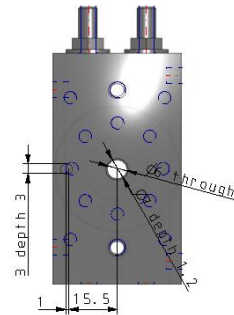


Semi-rotary actuator, double acting

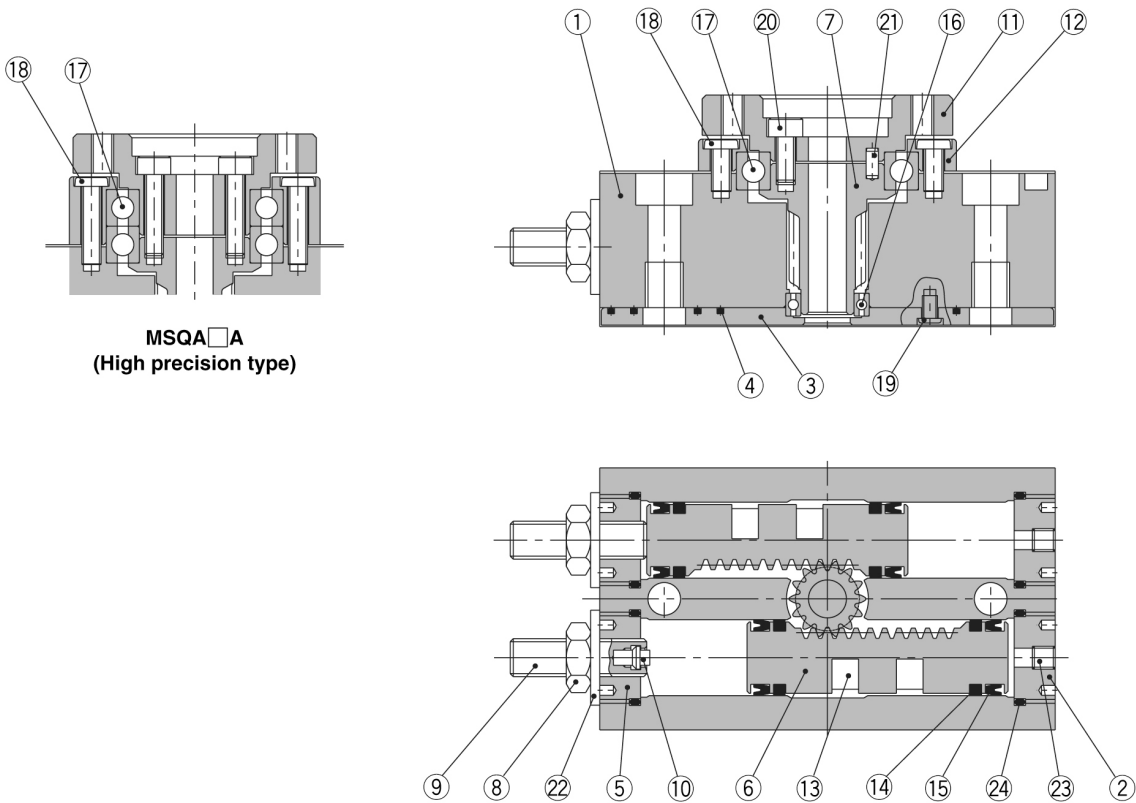
Standard specifications

Clean Series	None
Model	MSQ
Type	B (Basic Type)
Size	7
Port Location	E (Front Port)
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)
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	M5
Mode of operation of drive	Double acting

Type of cushioning	Rubber bumper
-	0° to 190°
Weight	0.246 Kg



Constructions



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	Size: 1 to 3	Steel wire
	Round head Philips screw	type	Size: 7	
	Round head Philips screw	High precision type		
19	Round head Philips screw No.0			Steel wire
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.

Additional information

Catalogue

[MSQ_EU.pdf](#)

Operation manuals

[OM_MSQ_OM0002EN-B.pdf](#)