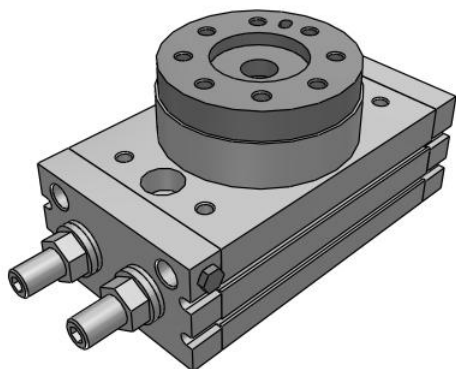


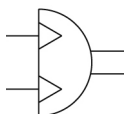


MSQ*10~200, Rotary Table, Rack & Pinion, Basic & High Precision MSQA30A

Datasheet

General series information

- Rack & Pinion style, rotary table-basic type
- Seven bore sizes available
- Direct load mounting possible
- Adjustment from one direction
- Auto switch capable

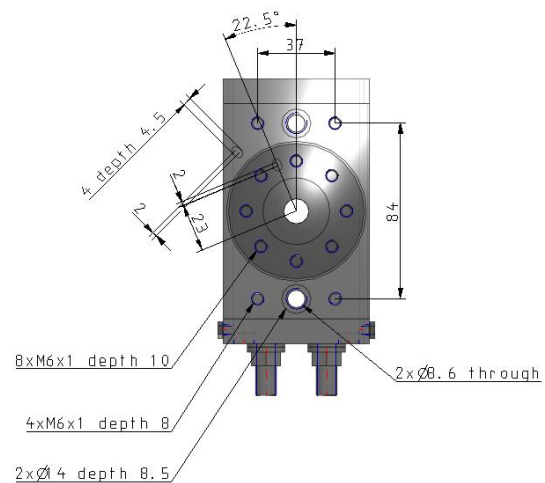
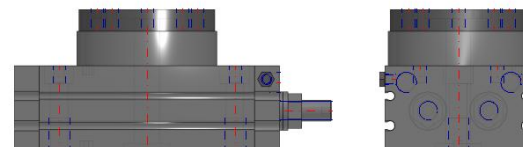
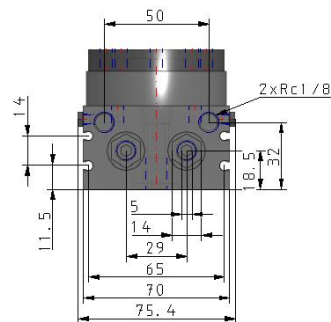
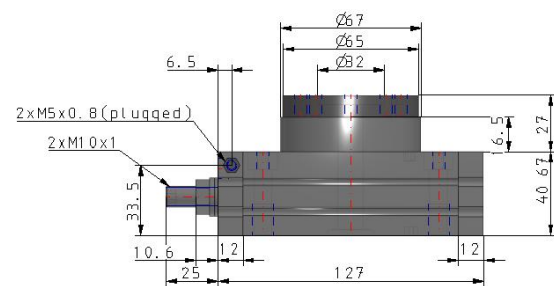
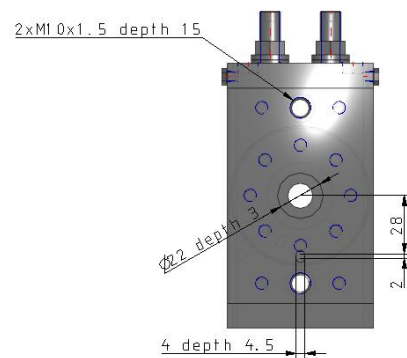


Semi-rotary actuator, double acting

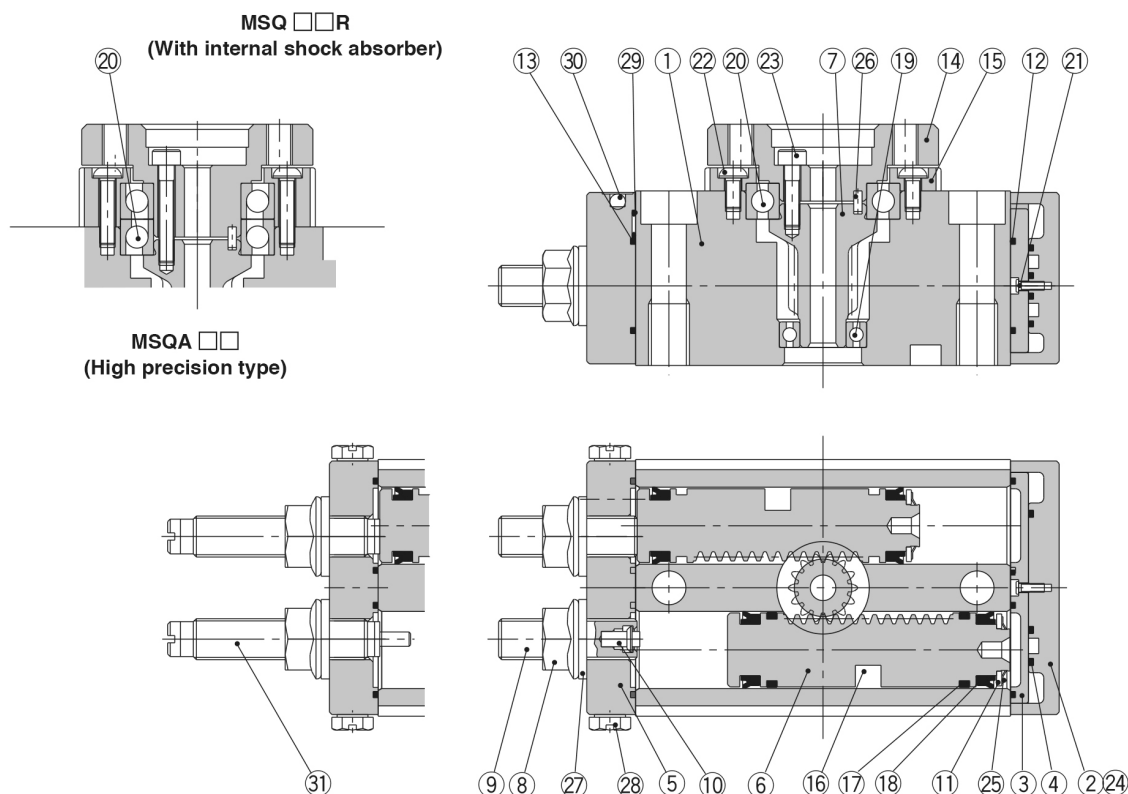
Standard specifications

Clean Series	None
Model	MSQ
Precision	A (High Precision Type)
Size	30
Suffix	A (Adjuster Bolt)
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]
Thread Type	M5 [10,20]; Rc 1/8 [30,50,70,100,200]
Pressure medium	Compressed air (non-lube)
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	0 °C
Maximum operating pressure	1.0 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	R 1/8

Mode of operation of drive	Double acting
Type of cushioning	Rubber bumper
-	0° to 190°
Weight	1.466 Kg



Constructions



Parts list

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 with flange	Steel wire
	Size: 10 to 50	
9	Hexagon nut	Chrome molybdenum steel
	Size: 70 to 200	
10	Adjustment bolt	Rubber material
11	Cushion pad	Aluminium alloy
12	Seal retainer	NBR
13	Gasket	NBR
14	Gasket	Aluminium alloy
15	Table	Aluminium alloy
16	Bearing retainer	Magnetic material
17	Magnet	Resin
18	Wear ring	NBR
19	Piston seal	

No.	Description	Material
19	Deep groove ball bearing	Bearing steel
	Size: 10 to 50	
20	Needle bearing	Bearing steel
	Size: 70 to 200	
21	Deep groove ball bearing	Steel wire
	Basic type	
	High precision type	
22	Round head philips screw No.0	Stainless steel
	Size: 10	
23	Low head cap screw	Chrome molybdenum steel
	Size: 20 to 50	
24	Hexagon socket head set bolt	Stainless steel
	Size: 70 to 200	
25	Hexagon socket head set bolt	Carbon steel
	Size: 10 to 50	
26	CS type snap ring	Spring steel
	Size: 10 to 50	
27	Parallel pin	Carbon steel
	Size: 70 to 200	
28	Parallel key	
29	Seal washer	NBR
30	Plug	Brass
31	O-ring	NBR
	Size: 70 to 200 only	
	Steel balls	Stainless steel
	Size: 70 to 200 only	
	Shock absorber	—

Replacement parts

Description	Kit no.							Note
	10	20	30	50	70	100	200	
Seal kit	KT-MSQ10	KT-MSQ20	KT-MSQ30	KT-MSQ50	KT-MSQ70	KT-MSQ100	KT-MSQ200	A set of above numbers (4), (12), (13), (17), (18) and (27)

Additional information

Catalogue

[MSQ_EU.pdf](#)