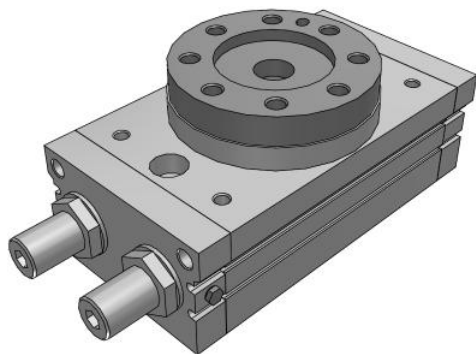




MSQ*10~200, Rotary Table, Rack & Pinion, Basic & High Precision MSQB100A

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



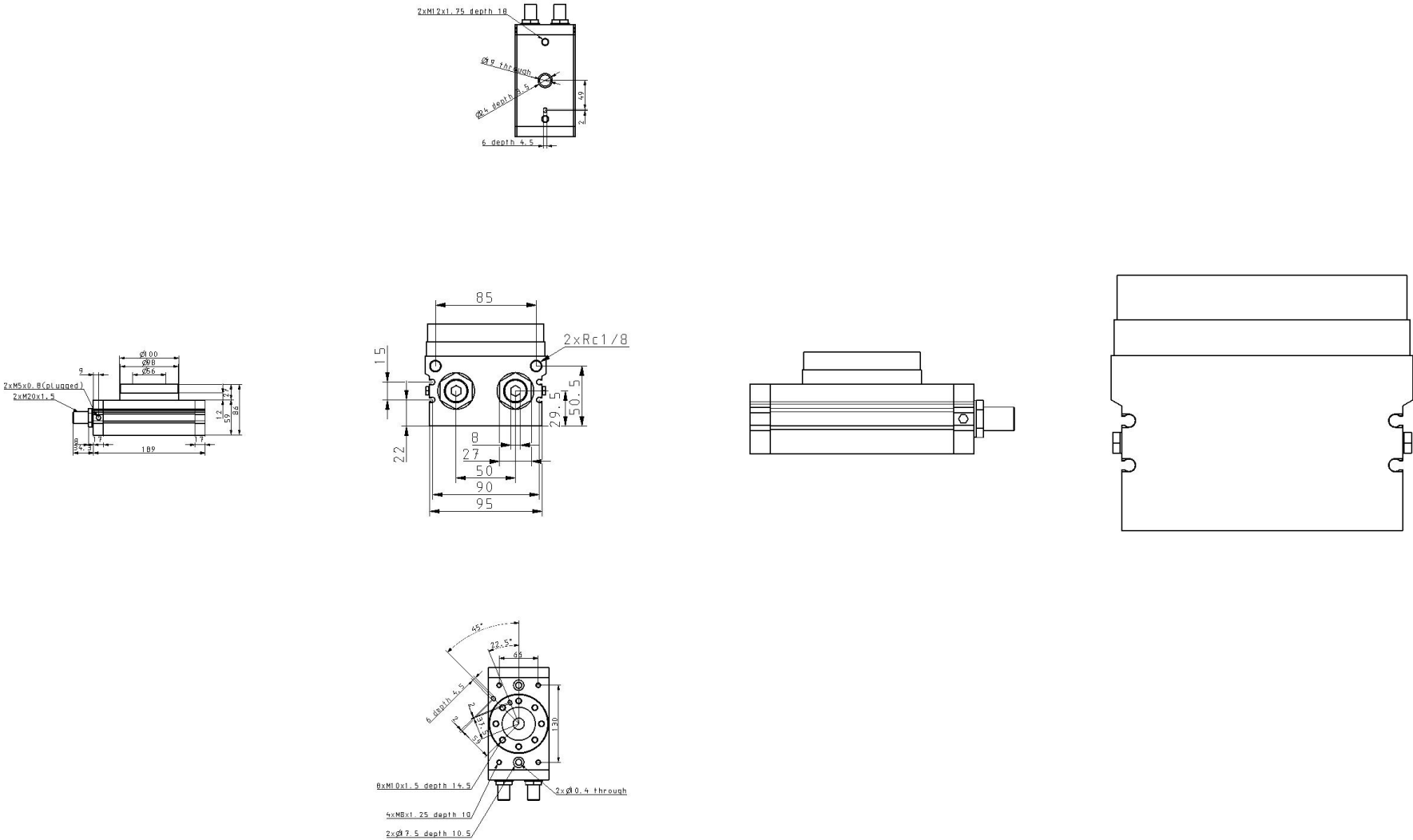
Semi-rotary actuator, double acting

Standard specifications

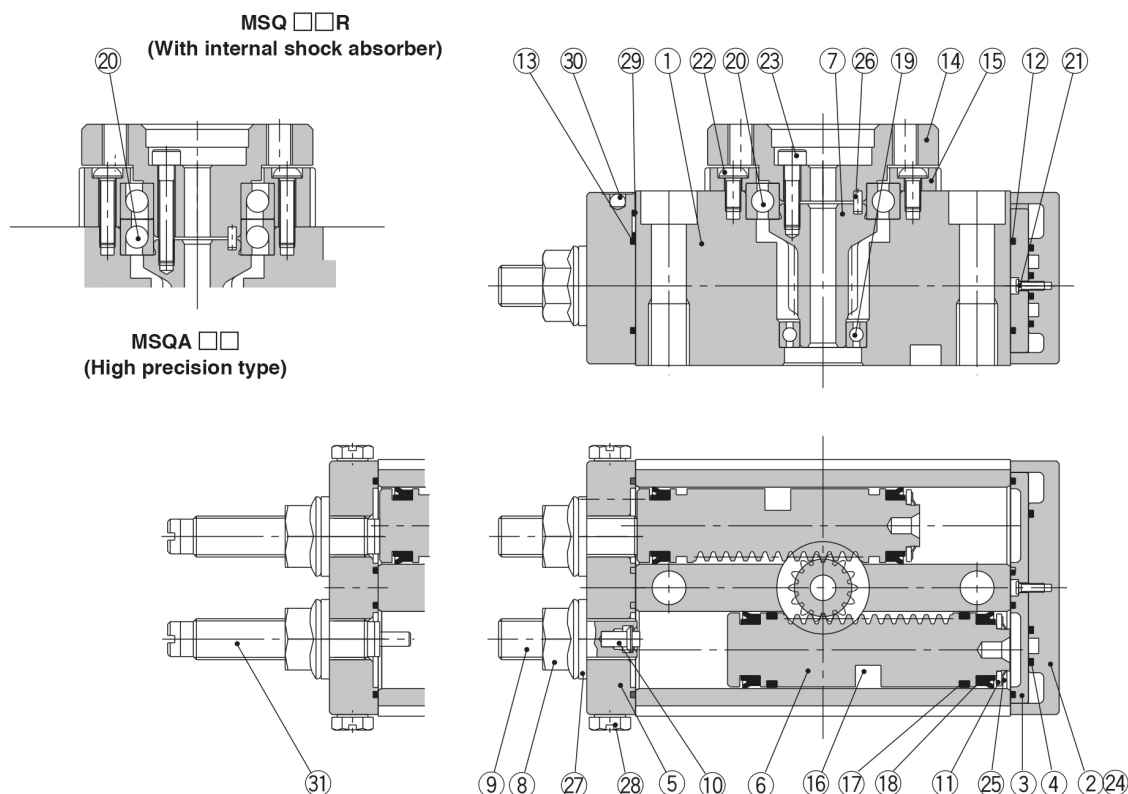
Clean Series	None
Model	MSQ
Precision	B (Basic)
Size	100
Suffix	A (Adjuster Bolt)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m [Or None in the Case of No Switch]
Number	2 pcs. [Or None in the Case of No Switch]
Thread Type	M5 [10,20]; Rc 1/8 [30,50,70,100,200]
Pressure medium	Compressed 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	4.100 Kg

Dimensions



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

No.	Description		Material
19	Deep groove ball bearing	Size: 10 to 50	Bearing steel
20	Needle bearing	Size: 70 to 200	
21	Deep groove ball bearing	Basic type	Bearing steel
22	Angular contact ball bearing	High precision type	
23	Round head philips screw No.0		Steel wire
24	Round head philips screw	Size: 10	Stainless steel
25	Low head cap screw	Size: 20 to 50	Chrome molybdenum steel
26	Hexagon socket head set bolt	Size: 70 to 200	
27	Hexagon socket head set bolt		Stainless steel
28	Hexagon socket head set bolt	Size: 10 to 50	Stainless steel
29	Hexagon socket head set bolt	Size: 70 to 200	Carbon steel
30	CS type snap ring		Spring steel
31	Parallel pin	Size: 10 to 50	Carbon steel
32	Parallel key	Size: 70 to 200	
33	Seal washer		NBR
34	Plug		Brass
35	O-ring	Size: 70 to 200 only	NBR
36	Steel balls	Size: 70 to 200 only	Stainless steel
37	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](#)