


Features

1. Available for mounting from the top or the bottom of the cylinder body.
2. Easy installation.
3. Available for 1/8" or M5 thread port connection.
4. The tolerance of inner diameter and outer diameter for turning table is H9/h9; with positioning pin hole and hollow shaft.



How to order

RCQ	30	A	SR	1
Rotary cylinder	Bore size	Angle adjustment	Sensor type	Number of sensor
	7 : φ 12 10 : φ 16 30 : φ 20 50 : φ 25	A : Stroke adjuster D : Shock absorber* (φ 12 Not available)	Blank : W/O sensor SR : Round type	1 pc 2 pcs
				

*Shock absorber DA1008 for RCQ10, RCQ30, please refer to P6-22.

*Shock absorber DA2020 for RCQ50, please refer to P6-23.

*Sensor please refer to P3-191

Specifications

Model	RCQ7	RCQ10	RCQ30	RCQ50
Port size	M5	G1/8 (M5 on the side)		
Bore size	Ø12	Ø16	Ø20	Ø25
Fluid	Compressed air			
Acting	Double acting			
Max. rotating angle	190°			
Adjustable angle	0° ~ 190° (Remark 2)			
Max. operating pressure	With stroke adjuster: 7 kgf/cm ²	With stroke adjuster: 10 kgf/cm ² ; With shock absorber: 6 kgf/cm ² (Remark 1)		
Min. operating pressure	1 kgf/cm ²			
Cushion	Rubber cushion	Rubber cushion / Shock absorber		
Body material	Aluminum alloy (A6061)			
Ambient temperature	0°C ~ 60°C			

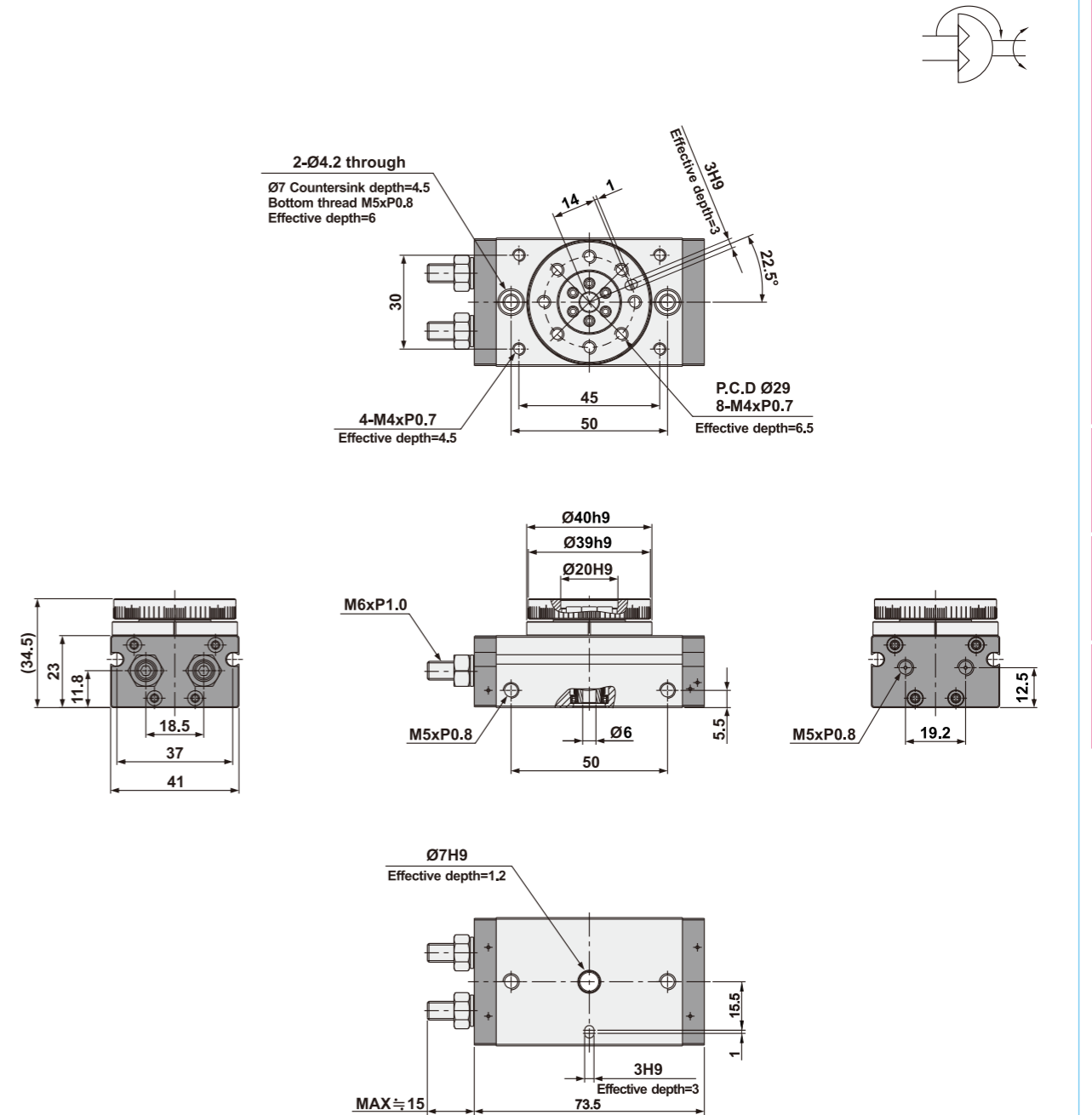
Remark 1: Max. operating pressure is limited with allowable thrust of the shock absorber.

Remark 2: Be careful if the piston stroke smaller than effective stroke of the shock absorber, the rotating angle of internal shock absorber sets below the values of following table, that will result to the energy absorption ability decreased.

Min. Rotating angle	RCQ7	RCQ10	RCQ30	RCQ50
To keep the energy absorption ability	---	52°	40°	60°

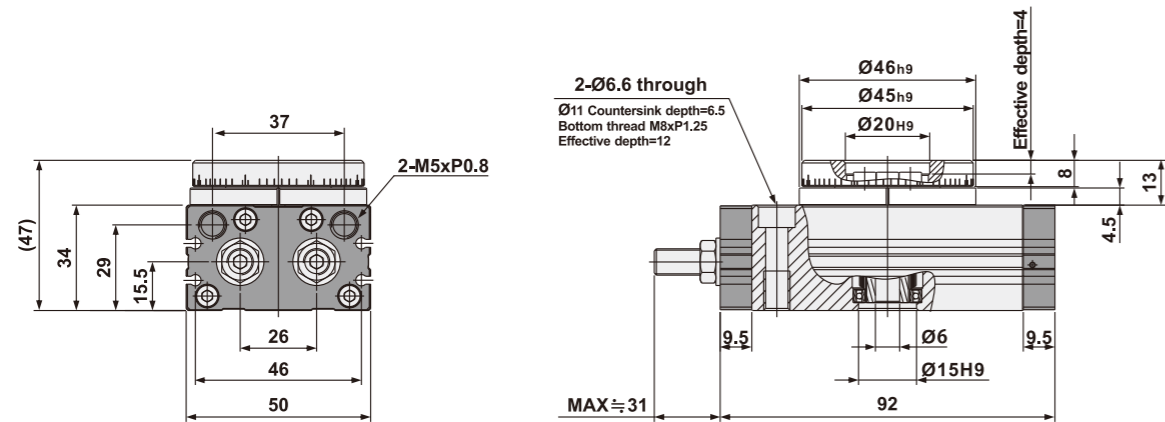
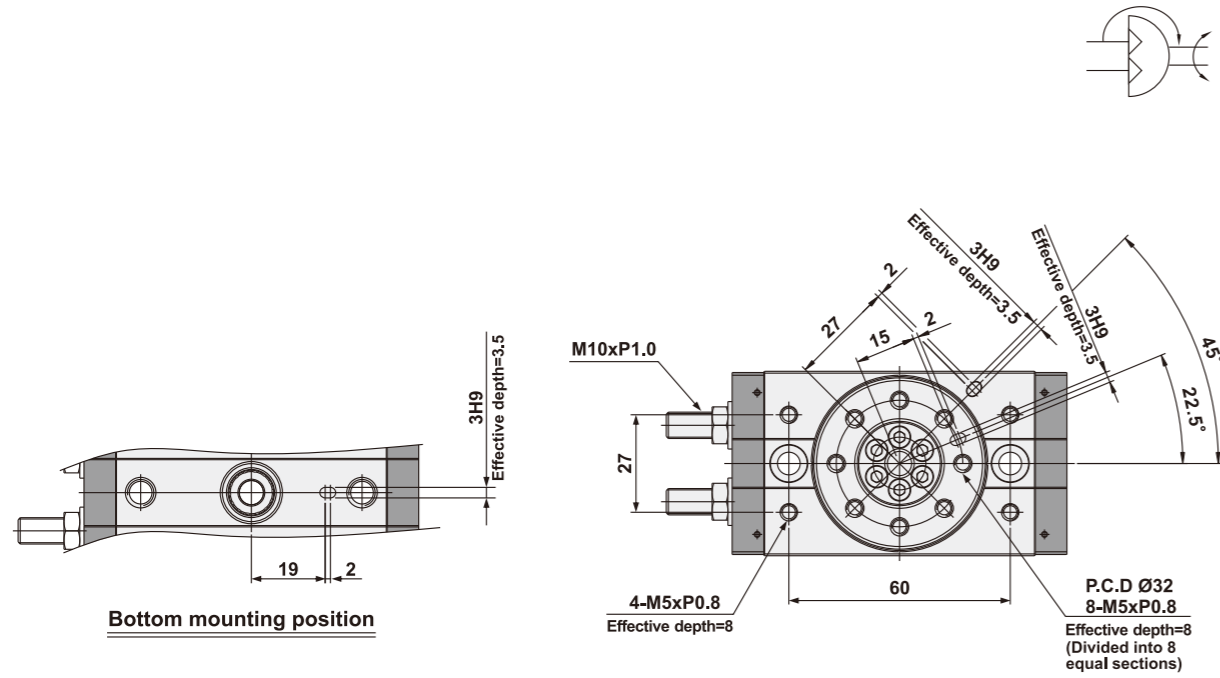
Dimensions

RCQ7A



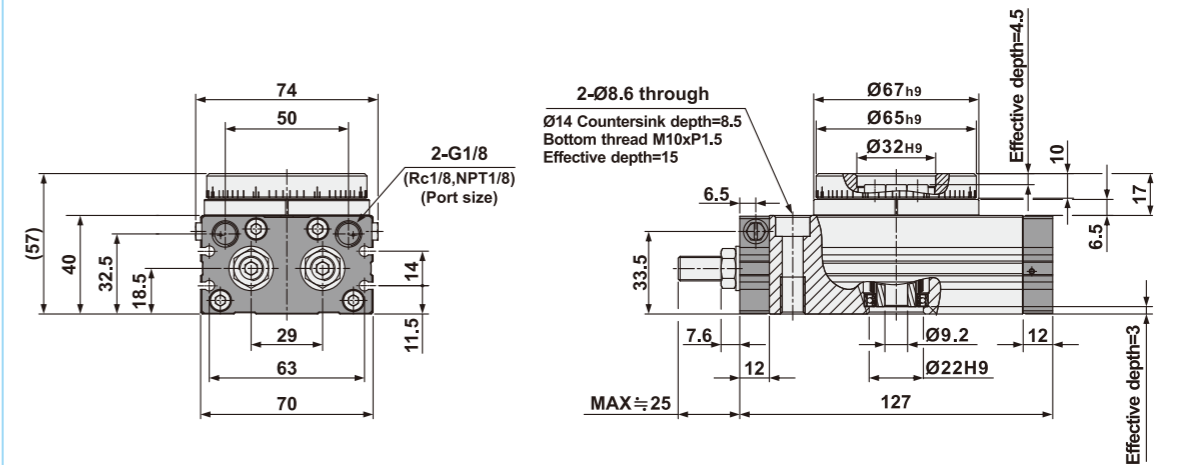
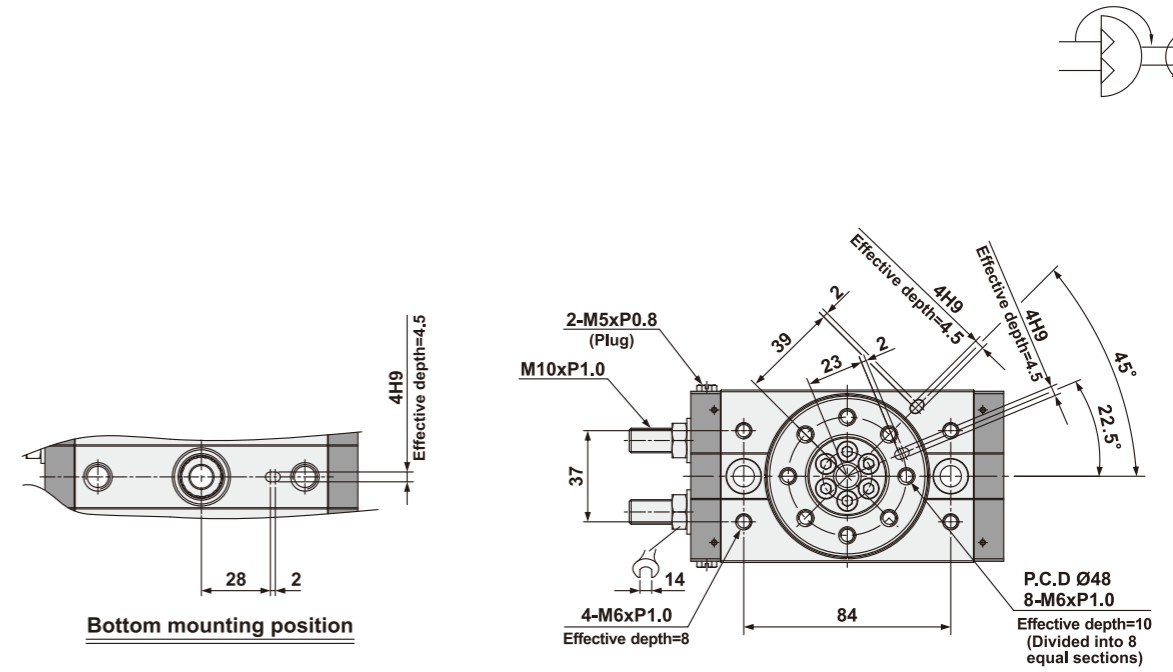
■ Dimensions

RCQ10A



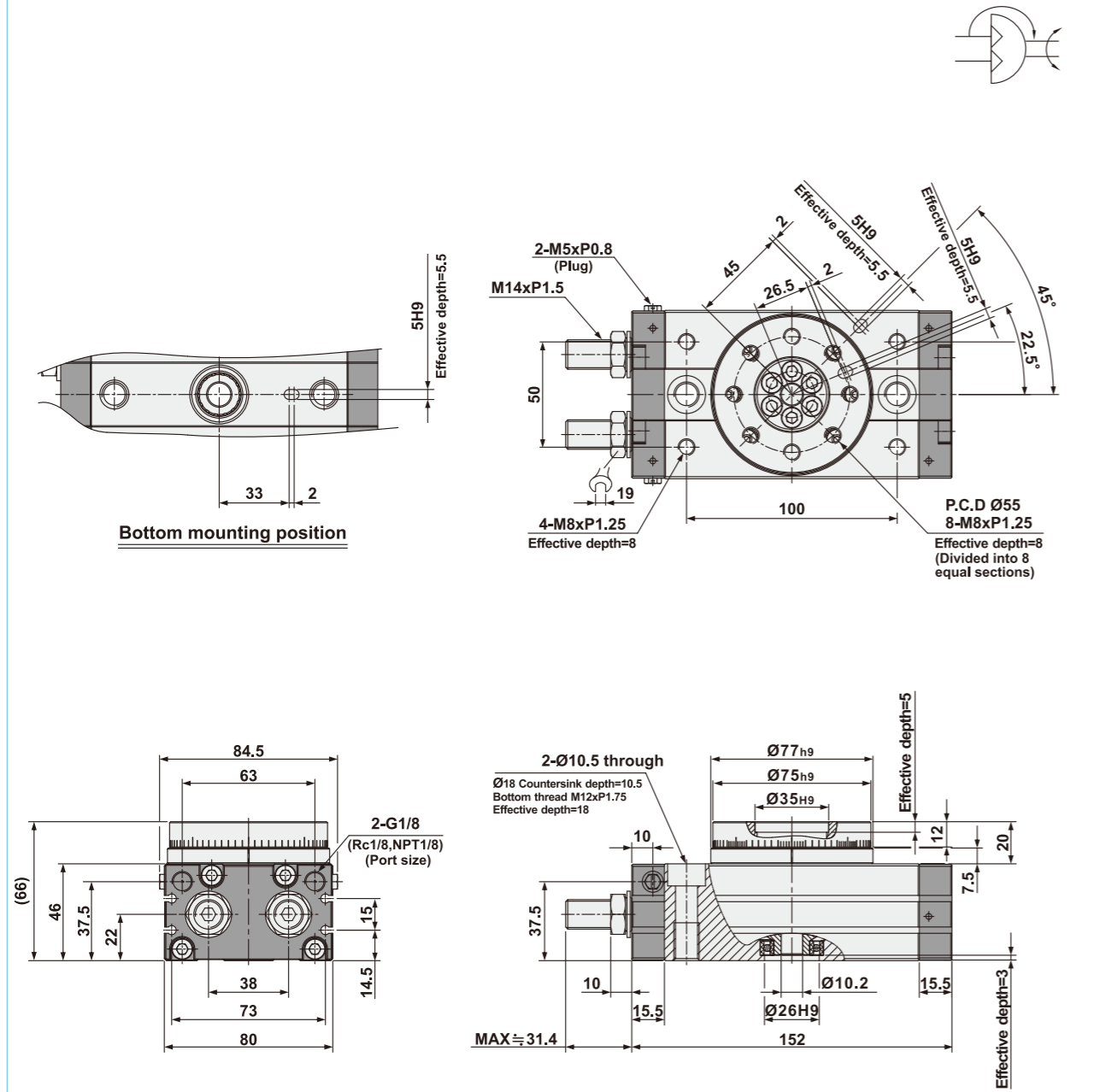
■ Dimensions

RCQ30A



Dimensions

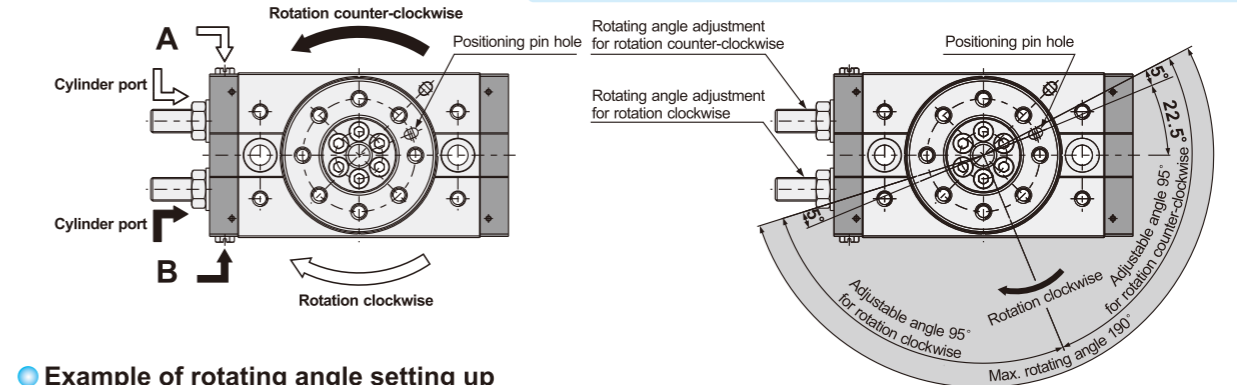
RCQ50A



Operation

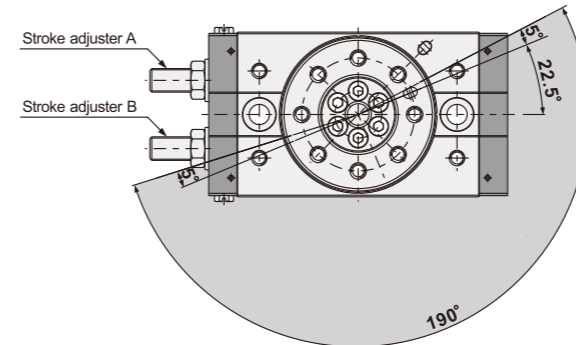
Rotating direction and Rotating angle

When supply air come in from port A, turning table rotate clockwise. When supply air come in from port B, turning table rotate counter-clockwise.

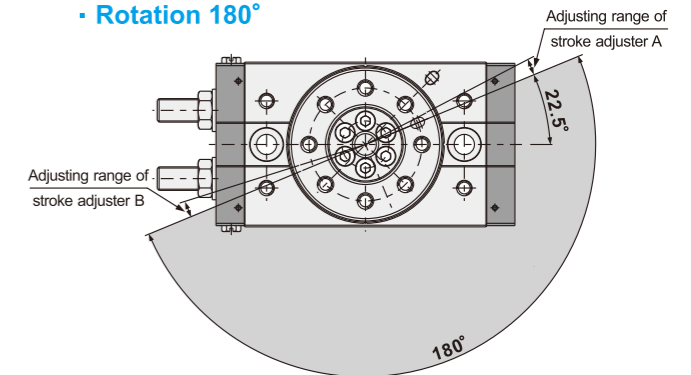


Example of rotating angle setting up

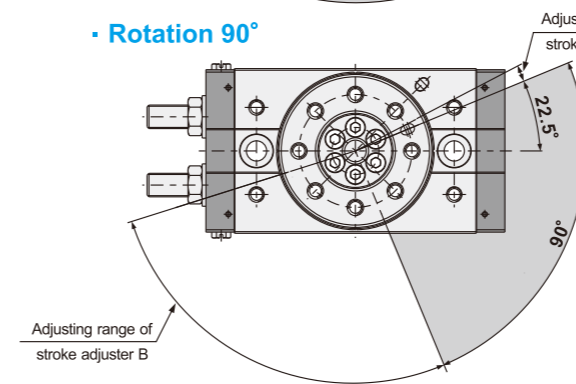
Rotation 190° (Max. rotating angle)



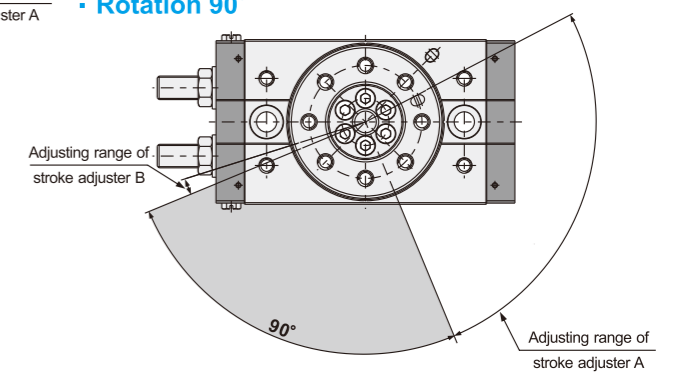
Rotation 180°



Rotation 90°



Rotation 90°



Rotation 90°

