

RJA·RJG Series Robotic Rotary Joint

Thin and Smooth Sliding Robotic Rotary Joint

Key Features

- Robotic rotary joint with 4 air ports and 4 signal wires (RJA)
- Thin, light-weight, and smooth sliding
- Built-in bolts for direct mounting to robot
- RJG type with air port (4) only for cost in mind



RJA-5A

How To Order

Standard ----- **RJA-5A**

Option ----- **Model** **Size** **Option**
RJA - 5A - Z ----- RJA-5A is changed based

Model	
Symbol	
RJA	Airport + Electrode
RJG	Pneumatic Only

Size	
Symbol	
5A	

Option	
Symbol	Name
Z	Special Type (Custom)

For option detail ▶ 36P

Specification

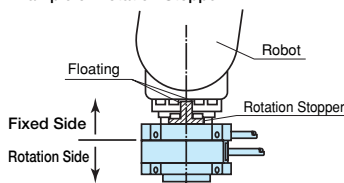
Model		RJA-5A	RJG-5A
Ambient Temperature (°C)		5 to 60	5 to 60
Swivel Angle		Endless	Endless
Allowable Rotation Speed (min ⁻¹)		250	250
Payload Limit (kg)		5	5
Moment Capacity	Bend (N·m)	5	5
	Twist (N·m)	5	5
Rotational Resistance (N·m)		0.5	0.5
Air Port	Number of Ports	4	4
	Operating Pressure Range	-100KPa to 0.7MPa*	-100KPa to 0.7MPa*
	Minimum Cross-Sectional Area (mm ²)	0.58	0.58
Electric Signal		4-Point (2A)	—
Weight (kg)	0.4 (excluding 1m cable)	0.32	

*Vacuum state can not be retained

Mount Method

Connection between RJA and Rotation Stopper must be floated. Otherwise, excessive load is applied to the shaft on the rotation side, causing breakage or air leakage.

Example of Rotation Stopper



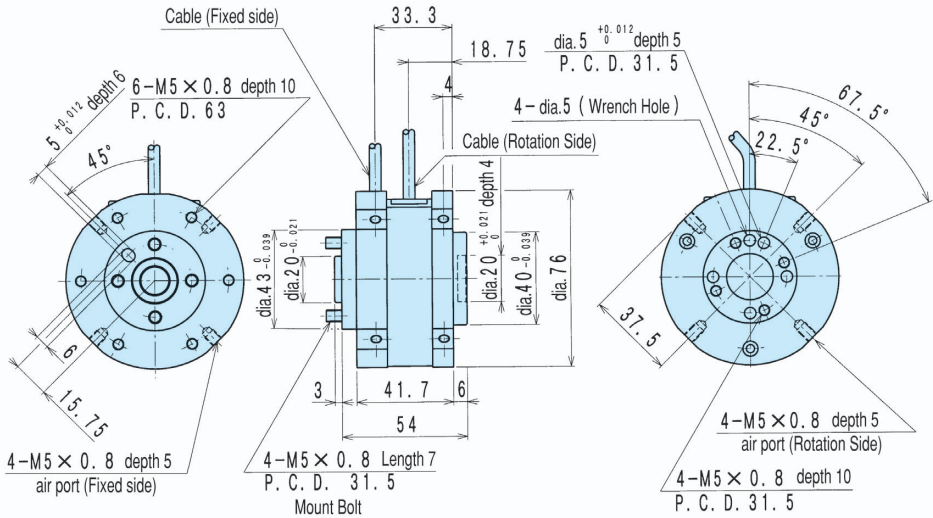
*Rotation stopper is supplied by customer. The figure is an example. Please design stopper based on your application.

Layout Drawing

For CAD data, please go to **▶518P**

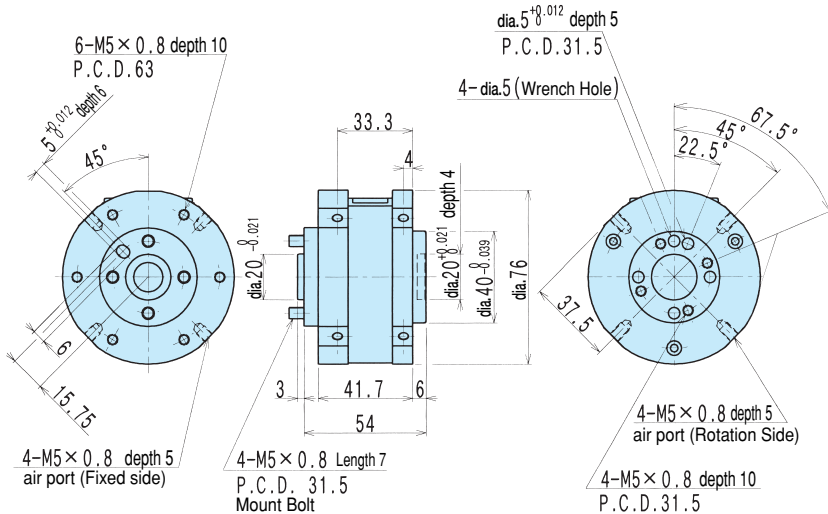
■RJA-5A

RJA-5A Standard



■RJG-5A

RJG-5A Standard



Robotic Peripheral Devices