

# GJ Series Through Bore Rotary Union

Pneumatic/Hydraulic rotary union is designed for rotary apparatus and it can provide safe and stable hybrid transmission for multi-passage air pressure and fluid media. With modular design, it is more stable and reliable. Pneumatic/Hydraulic rotary union can support positive pressure 90MPa and negative pressure -10MPa. With the through bore design, it can pass wires or pass other devices.



## Features

- Bore size 15mm , 30mm , 50mm, rotating with 360 degrees, meanwhile transmitting pneumatic and hydraulics.
- Supporting 1/2/3/4/5/6/8/10/12/16 passages pneumatic/hydraulic.
- Standard port size have M5 , G1/8 , G1/4 , G3/8 , G1/2 , G3/4,G1" and so on.
- It can transfer media as compressed air,vacuum,hydrogen,nitrogen,steam, cooling water,hot water,oil and so on.
- High-speed and high-pressure rotating joint can be customized on request.

## GJ Series Models

Model#	Passages	Port size	Tube size	ID
GJ2015	2ports in,2ports out	G1/8 ; G3/8 ;	6mm~12mm	15mm
GJ2030	2ports in,2ports out	G1/8 ; G3/8 ;	6mm~12mm	30mm
GJ2050	2ports in,2ports out	G1/8 ; G3/8 ;	6mm~12mm	50mm
GJ4015	4ports in,4ports out	G1/8 ; G3/8 ;	6mm~12mm	15mm
GJ4030	4ports in,4ports out	G1/8 ; G3/8 ;	6mm~12mm	30mm
GJ4050	4ports in,4ports out	G1/8 ; G3/8 ;	6mm~12mm	50mm
GJ6015	6ports in,6ports out	G1/8	6mm~12mm	15mm
GJ6030	6ports in,6ports out	G1/8 ; G3/8 ;	6mm~12mm	30mm
GJ6050	6ports in,6ports out	G1/8 ; G3/8 ;	6mm~12mm	50mm

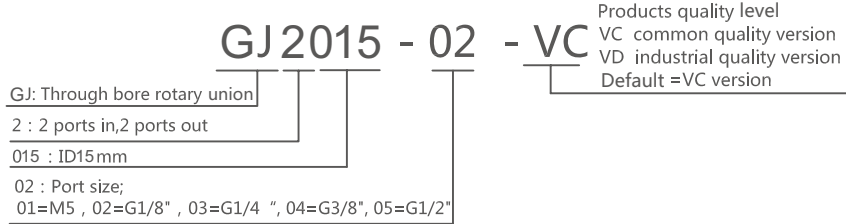
60% of products are customized,please contact sales for special requirements

# GJ2015 (ID 15mm, 2 ports in, 2 ports out)

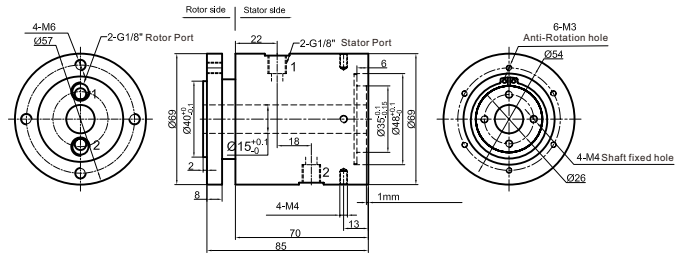
GJ2015 is 2 passages through bore rotary union with bore size 15mm, supporting connection size G1/8 and G3/8, It can transfer media as compressed air, vacuum, hydrogen, nitrogen, steam, cooling water, hot water, oil and so on.



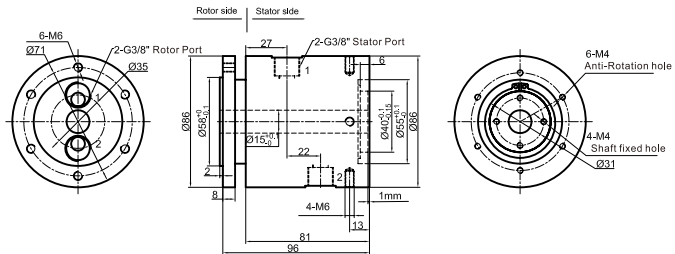
## Part# Explanation



### GJ2015-02 Size 2 ports in, 2 ports out, G1/8 Port



### GJ2015-04 Size 2 ports in, 2 ports out, G3/8 Port



## Part# List

GJ2015 Parts# List				
Part#	Passage	Torque(N.M)	Connection Size	ID
GJ2015-02	2 ports in, 2 ports out	1.5	G1/8	15mm
GJ2015-04	2 ports in, 2 ports out	1.5	G3/8	15mm

## Specifications

Rotary joint specifications	
Parameter	Value
Passages	2 ports in, 2 ports out,
Max pressure	10MPa (can be customized) , Vacuum 0.01torr
Torque	See Part#List

## Product Quality Level Table

Quality Level Table			
Products Level Code	Max Rotating Speed	Working Life	Sealing Element
VC	100RPM	10 million	Common Seals
VD	300RPM	30 million	High-Quality Seals

### Options for custom slip ring

Note:it can be customized as below requirements, lead time would increase 3~15 days,price would increase 5%~50%.Most basic parts of slip ring are standard and modularized,which saved costs and lead time.

1 Port size

4 Through bore size

2 Pressure

5 Corrosive media, all stainless steel,anti-explosion,high temp etc

3 Rotating speed

6 Can combine with electrical slip ring

technical support: [technical@moflon.com](mailto:technical@moflon.com)



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- |                  |   |
|------------------|---|
| 1 Port size      | 4 Through bore size   |
| 2 Pressure       | 5 Corrosive media, all stainless steel,anti-explosion,high temp etc |
| 3 Rotating speed | 6 Can combine with electrical slip ring                             |

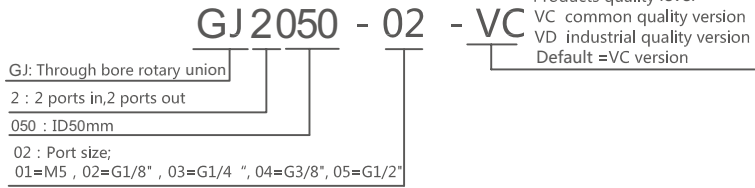
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# GJ2050 (ID 50mm, 2 ports in, 2 ports out)

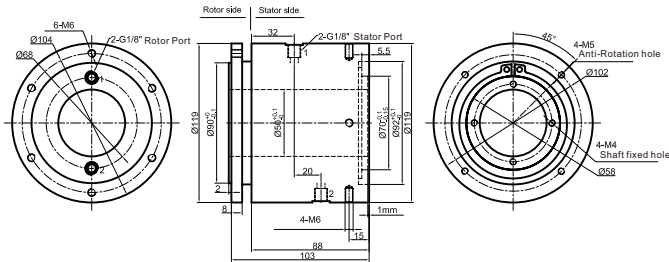
GJ2050 is 2 passages through bore rotary union with bore size 50mm, supporting connection size G1/8 and G3/8, It can transfer media as compressed air, vacuum, hydrogen, nitrogen, steam, cooling water, hot water, oil and so on.



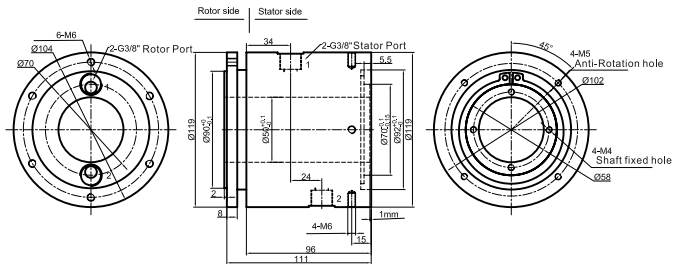
## Part# Explanation



### GJ2050-02 Size 2 ports in, 2 ports out, G1/8 Port



### GJ2050-04 Size 2 ports in, 2 ports out, G3/8 Port



## Part# List

GJ2050 Parts# List				
Part#	Passage	Torque(N.M)	Connection Size	ID
GJ2050-02	2 ports in, 2 ports out	2	G1/8	50mm
GJ2050-04	2 ports in, 2 ports out	2	G3/8	50mm

## Specifications

Rotary joint specifications	
Parameter	Value
Passages	2 ports in, 2 ports out,
Max pressure	10MPa (can be customized) , Vacuum 0.01torr
Torque	See Part#List

## Product Quality Level Table

Quality Level Table			
Products Level Code	Max Rotating Speed	Working Life	Sealing Element
VC	100RPM	10 million	Common Seals
VD	300RPM	30 million	High-Quality Seals

### Options for custom slip ring

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- |                  |   |
|------------------|---|
| 1 Port size      | 4 Through bore size   |
| 2 Pressure       | 5 Corrosive media, all stainless steel,anti-explosion,high temp etc |
| 3 Rotating speed | 6 Can combine with electrical slip ring                             |

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- |                  |   |
|------------------|---|
| 1 Port size      | 4 Through bore size   |
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- |                  |   |
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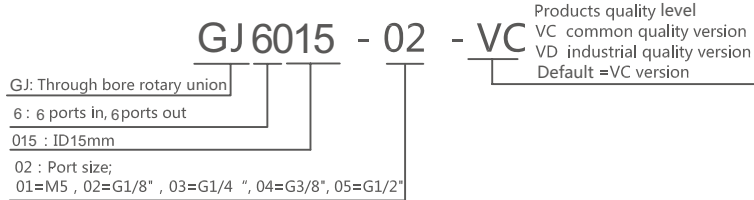
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# GJ6015 (ID 15mm, 6 ports in, 6 ports out)

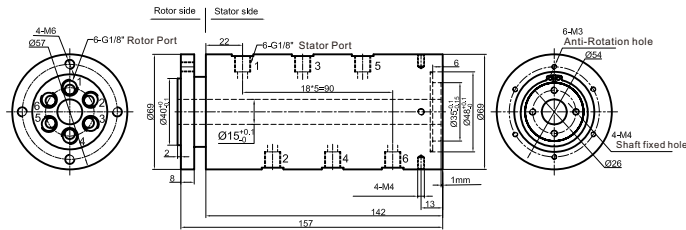
GJ6015 is 1 passages through bore rotary union with bore size 15mm, supporting connection size G1/8 and G3/8, It can transfer media as compressed air, vacuum, hydrogen, nitrogen, steam, cooling water, hot water, oil and so on.



## Part# Explanation



GJ6015-02 Size 6 ports in, 6 ports out, G1/8 Port



## Part# List

GJ6015 Parts# List				
Part#	Passage	Torque(N.M)	Connection Size	ID
GJ6015-02	6 ports in, 6 ports out	3	G1/8	15mm

## Specifications

Rotary joint specifications	
Parameter	Value
Passages	6 ports in, 6 ports out,
Max pressure	10MPa (can be customized) , Vacuum 0.01torr
Torque	See Part#List

## Product Quality Level Table

Quality Level Table			
Products Level Code	Max Rotating Speed	Working Life	Sealing Element
VC	100RPM	10 million	Common Seals
VD	300RPM	30 million	High-Quality Seals

## Options for custom slip ring

Note: it can be customized as below requirements, lead time would increase 3~15 days, price would increase 5%~50%. Most basic parts of slip ring are standard and modularized, which saved costs and lead time.

- 1 Port size
- 2 Pressure
- 3 Rotating speed
- 4 Through bore size
- 5 Corrosive media, all stainless steel, anti-explosion, high temp etc
- 6 Can combine with electrical slip ring

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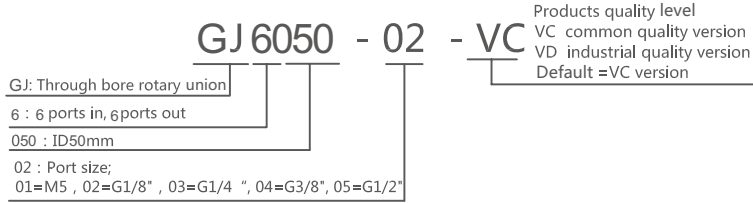


# GJ6050 (ID 50mm, 6 ports in, 6 ports out)

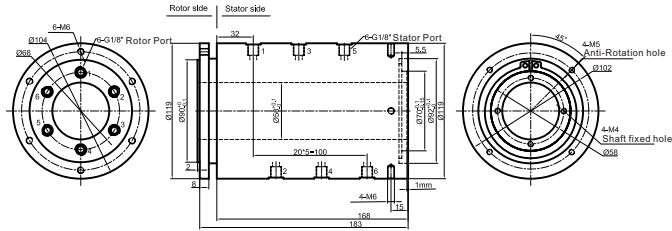
GJ6050 is 2 passages through bore rotary union with bore size 50mm, supporting connection size G1/8 and G3/8, It can transfer media as compressed air, vacuum, hydrogen, nitrogen, steam, cooling water, hot water, oil and so on.



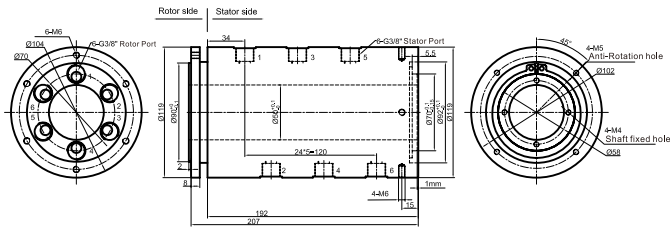
## Part# Explanation



### GJ6050-02 Size 6 ports in, 6 ports out, G1/8 Port



### GJ6050-04 Size 6 ports in, 6 ports out, G3/8 Port



## Part# List

GJ6050 Parts# List				
Part#	Passage	Torque(N.M)	Connection Size	ID
GJ6050-02	6 ports in,6 ports out	3	G1/8	50mm
GJ6050-04	6 ports in,6 ports out	4	G3/8	50mm

## Specifications

Rotary joint specifications	
Parameter	Value
Passages	6 ports in,6 ports out,
Max pressure	10MPa (can be customized) , Vacuum 0.01torr
Torque	See Part#List



## Product Quality Level Table

Quality Level Table			
Products Level Code	Max Rotating Speed	Working Life	Sealing Element
VC	100RPM	10 million	Common Seals
VD	300RPM	30 million	High-Quality Seals

### Options for custom slip ring

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1 Port size

6 Through bore size

2 Pressure

5 Corrosive media, all stainless steel,anti-explosion,high temp etc

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