

# HQ0601 (6 Passages Pneumatic Rotary Joint)

HQ0601 Series is 6 passages flange mounted pneumatic rotary joint;

It is made of special aluminum alloy, with small size, light weight and small torque.

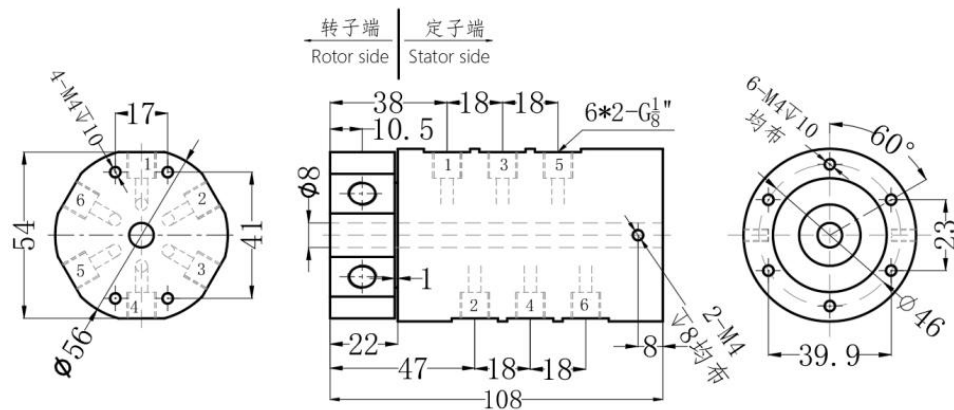
Can transmit medium types: compressed gas, vacuum, etc.

Can combine to transmit: electrical power and signal, solenoid valve, control circuits, etc.

G1/8" port is a frequency-used port, ports like G3/8" port, M5 port, are the same.



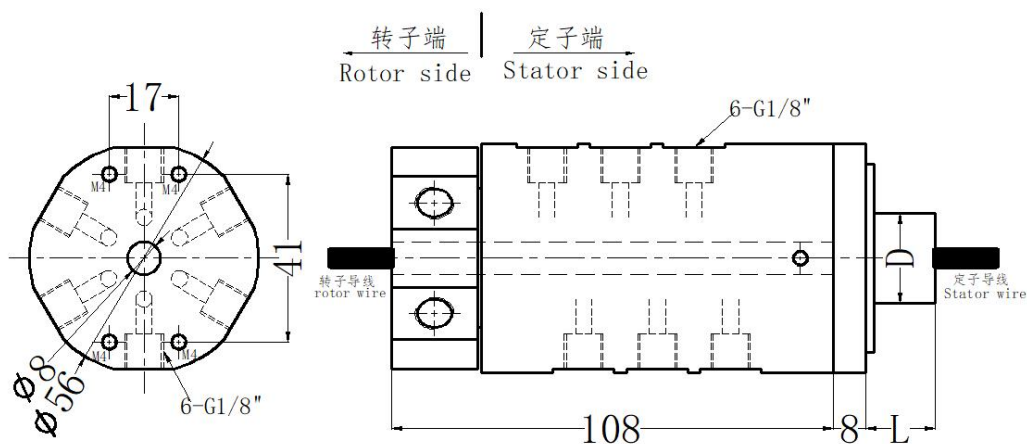
## HQ0601 6 IN 6 OUT G1/8" Port



## Model List

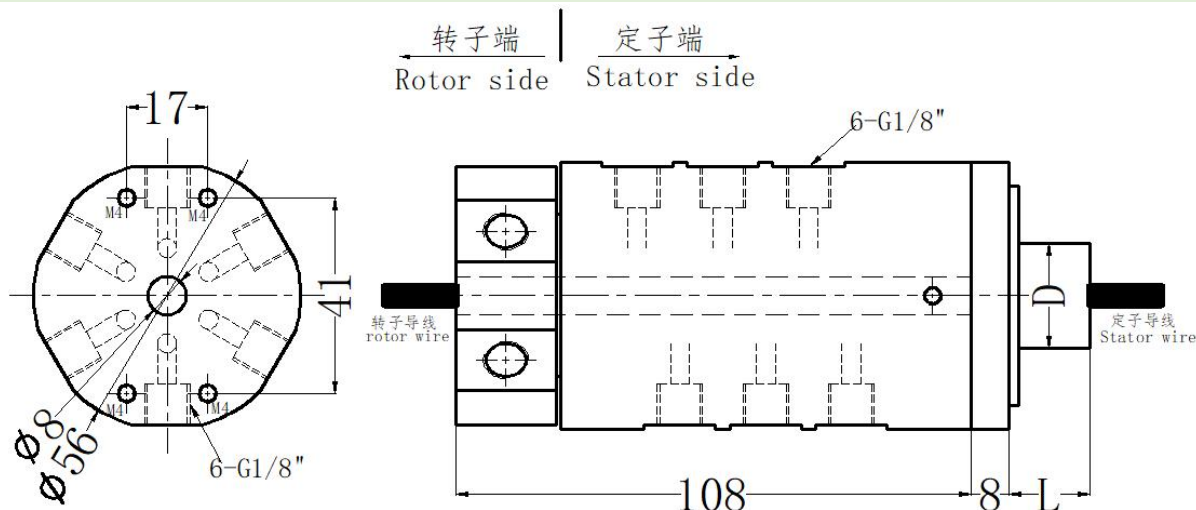
| Model  | Port Size  | Gas Passage | Pipe Size |
|--------|------------|-------------|-----------|
| HQ0601 | G1/8" Port | 6           | 6 ~ 8mm   |

## HQ0601-06M(12, 18, 24, 36) 6 IN 6 OUT G1/8" Port +6~36 passages Capsule Signal Slip Ring

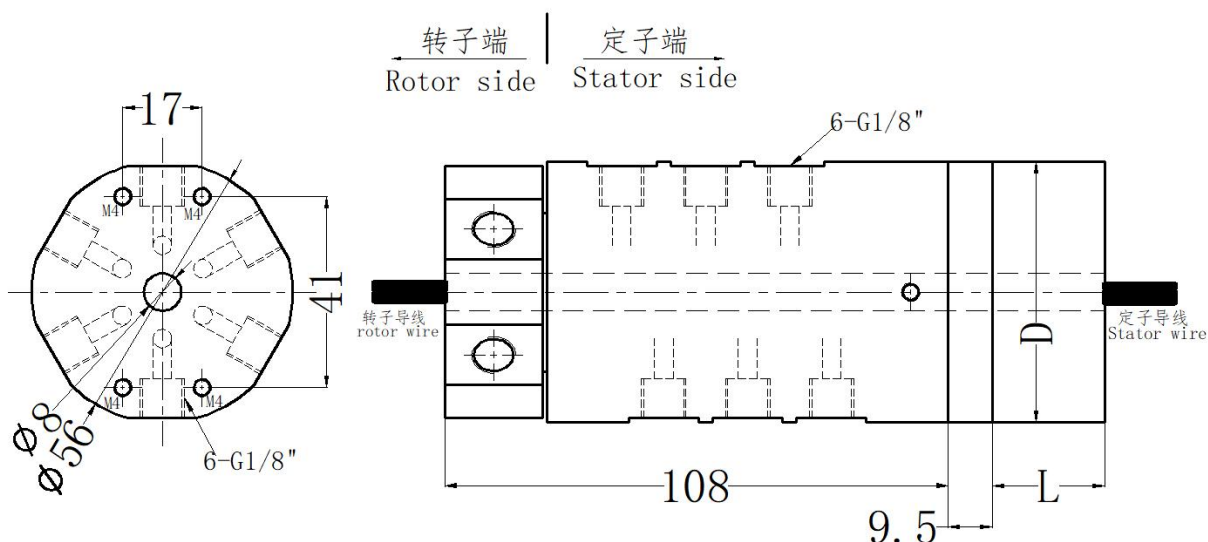


**Model List (For other models, please contact customer service)**

| Model      | Port Size  | Gas Passage | Signal Circuits@1 ~ 2A | L (mm) | D (mm) | Pipe Size |
|------------|------------|-------------|------------------------|--------|--------|-----------|
| HQ0601-06M | G1/8" Port | 6           | 6                      | 17     | 22     | 6 ~ 8mm   |
| HQ0601-12M | G1/8" Port | 6           | 12                     | 24.5   | 22     | 6 ~ 8mm   |
| HQ0601-18M | G1/8" Port | 6           | 18                     | 31.9   | 22     | 6 ~ 8mm   |
| HQ0601-24M | G1/8" Port | 6           | 24                     | 39.6   | 22     | 6 ~ 8mm   |
| HQ0601-36M | G1/8" Port | 6           | 36                     | 54.5   | 22     | 6 ~ 8mm   |

**HQ0601-56M 6 IN 6 OUT G1/8" Port****Model List (For other models, please contact customer service)**

| Model      | Port Size  | Gas Passage | Singal Circuits@1 ~ 2A | L(mm) | D(mm) | Pipe Size |
|------------|------------|-------------|------------------------|-------|-------|-----------|
| HQ0601-56M | G1/8" Port | 6           | 56                     | 86    | 25    | 6 ~ 8mm   |

**HQ0601-NA-NS Drawing 6 IN 6 OUT G1/8" Port**

**Model List (For other models, please contact customer service)**

| Model           | Port Size  | Gas Passage | Signal Circuits@ 5A | Power Circuits@ 10A | L (mm) | D (mm) | Pipe Size |
|-----------------|------------|-------------|---------------------|---------------------|--------|--------|-----------|
| HQ0601-0610     | G1/8" Port | 6           | 0                   | 6                   | 39     | 56     | 6 ~ 8mm   |
| HQ0601-06S      | G1/8" Port | 6           | 6                   | 0                   | 39     | 56     | 6 ~ 8mm   |
| HQ0601-1210     | G1/8" Port | 6           | 0                   | 12                  | 57     | 56     | 6 ~ 8mm   |
| HQ0601-0610-06S | G1/8" Port | 6           | 6                   | 6                   | 57     | 56     | 6 ~ 8mm   |
| HQ0601-1810     | G1/8" Port | 6           | 0                   | 18                  | 75     | 56     | 6 ~ 8mm   |
| HQ0601-0610-12S | G1/8" Port | 6           | 12                  | 6                   | 75     | 56     | 6 ~ 8mm   |
| HQ0601-18S      | G1/8" Port | 6           | 18                  | 0                   | 75     | 56     | 6 ~ 8mm   |
| HQ0601-24S      | G1/8" Port | 6           | 24                  | 0                   | 93     | 56     | 6 ~ 8mm   |
| HQ0601-0610-18S | G1/8" Port | 6           | 18                  | 6                   | 93     | 56     | 6 ~ 8mm   |
| HQ0601-30S      | G1/8" Port | 6           | 30                  | 0                   | 111    | 56     | 6 ~ 8mm   |
| HQ0601-36S      | G1/8" Port | 6           | 36                  | 0                   | 129    | 56     | 6 ~ 8mm   |

Note: Electrical power circuits @10A can combine with signal circuits @5A at will. For more models, please contact customer service.

**Technical Specification**

| Mechanical              |                                                                            | Electrical          |                                     |                                 |
|-------------------------|----------------------------------------------------------------------------|---------------------|-------------------------------------|---------------------------------|
| Spec                    | Data                                                                       | Spec                | Data                                |                                 |
| Passage no.             | 6 IN 6 OUT, G1/8" Port                                                     |                     | Power                               | Signal                          |
| Pressure&Torque         | Max. 1MP,<br>Vacuum-1.5Kpa; Torque<br>< 1.2 N.m                            | Voltage             | 0 ~<br>240VAC/VDC                   | 0 ~ 240VAC/VDC                  |
| Working Life            | About 10 million<br>revolutions (depend on<br>the working<br>environment)  | Resistance          | $\geq$<br>500M $\Omega$ /300v<br>dc | $\geq$<br>500M $\Omega$ /300vdc |
| Rated Rotating Speed    | 500RPM                                                                     | Lead Wire Spec      | AWG16#Tin-plated Teflon             | AWG22#Tin-plated Teflon         |
| Working Temp.& Humidity | -30°C ~ -75°C, 0 ~<br>80%RH                                                | Lead Wire Spec      | Standard Length: 300mm              |                                 |
| Material                | Housing Material:<br>Aluminum Alloy<br>Contact Material:<br>Precious Metal | Insulation Strength | 500VAC@50Hz, 10s                    |                                 |
| IP Grade                | IP51                                                                       | Electrical Noise    | <0.01 $\Omega$                      |                                 |

**Product Quality Level Table**

| Grade Code      | Working Life          | Sealing Ring   | Max. Rotating Speed |
|-----------------|-----------------------|----------------|---------------------|
| VD (Industrial) | 6 million revolutions | Imported brand | 300RPM              |
| VC (Standard)   | 5 million revolutions | Domestic brand | 100RPM              |