

HQG01 (Single Channel High-Speed Pneumatic Rotary Joint)

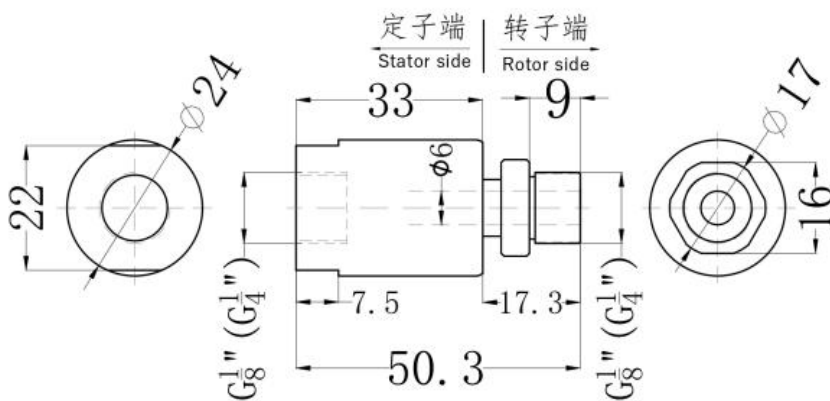
HQG01 is single channel high-speed rotary joint series, straight-through, circlip type; Support standard ports: G1/8", G1/4", G3/8", G1/2", G1" ports, compact design; Made of hardened all special stainless steel, it is corrosion-resistant and with light weight. Standard port sizes in rotating shaft (outer port) and housing (inner port), easy for installation.



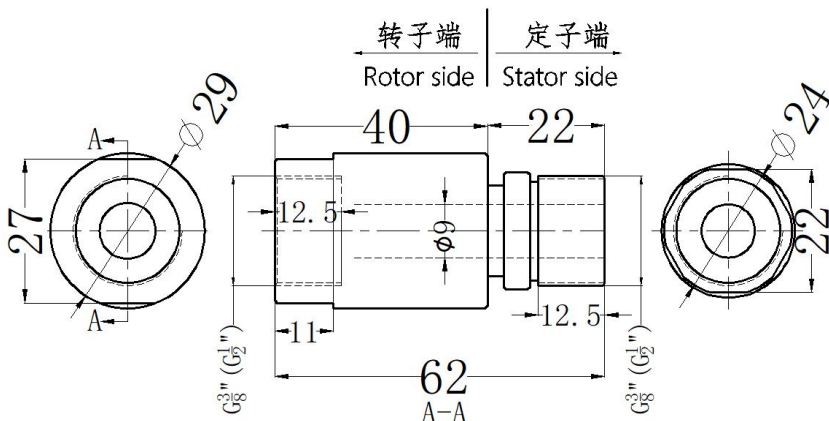
【Part # Explanation】

| | | | |
|---|----|----|-----------------|
| HQ | 01 | 01 | |
| HQ: Straight-through, transmit gas (chamfering type) | | | 01: G1/8'' Port |
| HY: Straight-through, transmit flow (chamfering type) | | | 02: G1/4'' Port |
| HQG: high speed, transmit gas | | | 03: G3/8'' Port |
| HQY: Lateral Outlet, transmit flow (chamfering type) | | | 04: G1/2'' Port |
| HYZ: Straight-through, transmit flow (circlip type) | | | 08: G1'' Port |
| HM: Lateral Outlet, transmit flow (circlip type) | | | |
| | | | Single Channel |

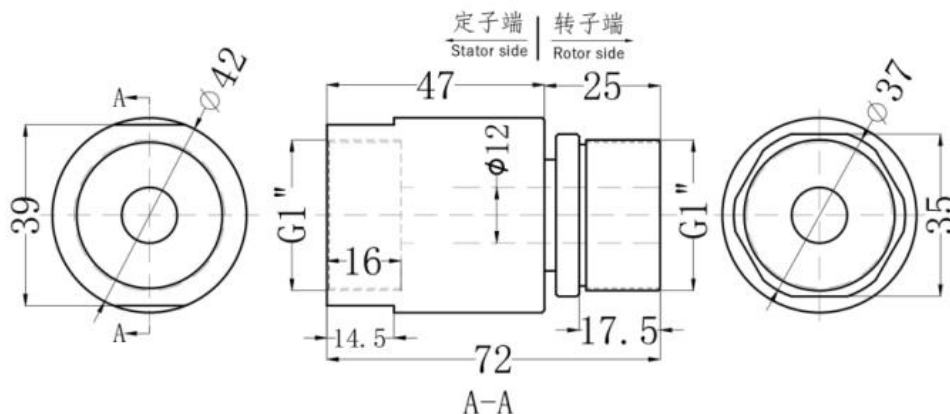
HQG0101/HQG0102 Drawing



HQG0103/HQG0104 Drawing



HQG0108 Drawing



Model List

Single Channel Pneumatic Rotary Joint Model List

| Model | Port Size | Passage | Pressure Range |
|---------|------------|-----------|----------------|
| HQG0101 | G1/8" Port | 1 Channel | 0 ~ 1MPa |
| HQG0102 | G1/4" Port | 1 Channel | 0 ~ 1MPa |
| HQG0103 | G3/8" Port | 1 Channel | 0 ~ 1MPa |
| HQG0104 | G1/2" Port | 1 Channel | 0 ~ 1MPa |
| HQG0108 | G1" Port | 1 Channel | 0 ~ 1MPa |

Technical Specification

| Rotary Joint Part of Technical Specs | | Mechanical | |
|--------------------------------------|--|------------------|------------------------------|
| Spec | Data | Spec | Data |
| Gas Passage | 1 Channel | Working Temp. | -25°C ~ 75°C |
| Medium Type | Air (Vacuum is not suitable) | Working Humidity | 0 ~ 80%RH |
| Torque | It is related to port size, please refer to "Model List" for more details. | Working Life | About 10 million revolutions |
| Max. Pressure | 0.1 ~ 1MPa | Housing Material | Stainless Steel |
| Rated Rotating Speed | Please refer to "Product Quality Level Table" | IP Grade | IP51 |

Product Quality Level Table

| Grade Code | Working Life | Sealing Ring | Max. Rotating Speed |
|-----------------|------------------------|----------------|---------------------|
| VD (Industrial) | 10 million revolutions | Imported brand | 1500RPM |
| VC (Standard) | 6 million revolutions | Domestic brand | 1000RPM |

Options for custom slip ring

Special requirements: 1 piece MOQ, delivery time will need extra 4-15 days, the cost of customization needs to be negotiated. The requirements for customization below can be met: ①High temperature can reach up to 500°; ②High voltage can reach up to 110KV; ③ High speed rotating speed can reach up to 1000RPM ④Large current can reach up to 5000A; ⑤Can combine with rotary joint; ⑥Can combine to transmit with signal; ⑦Can customize as your required size; ⑧Aviation plug is optional; ⑨Can combine to transmit in high speed rotating speed; ⑩Underwater waterproofing is optional.