

## HQY01 (Single Channel Pneumatic/Hydraulic Rotary Joint)

HQY01 series is single channel pneumatic/hydraulic rotary joint, lateral outlet, chamfering 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.

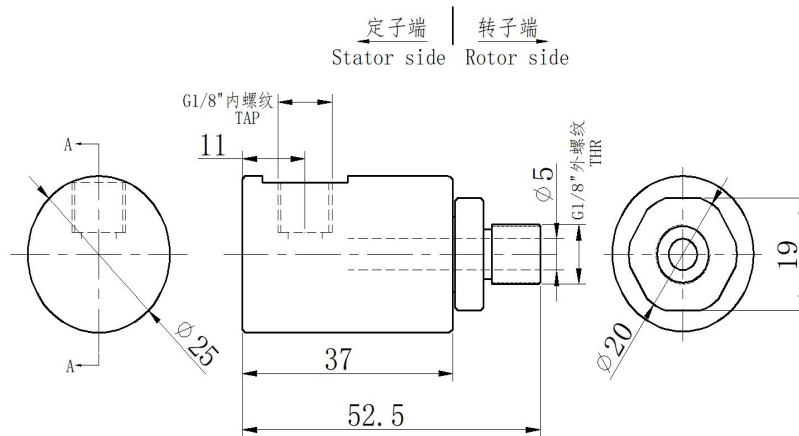
Standard port sizes in rotating shaft (outer port) and housing (inner port), easy for installation.



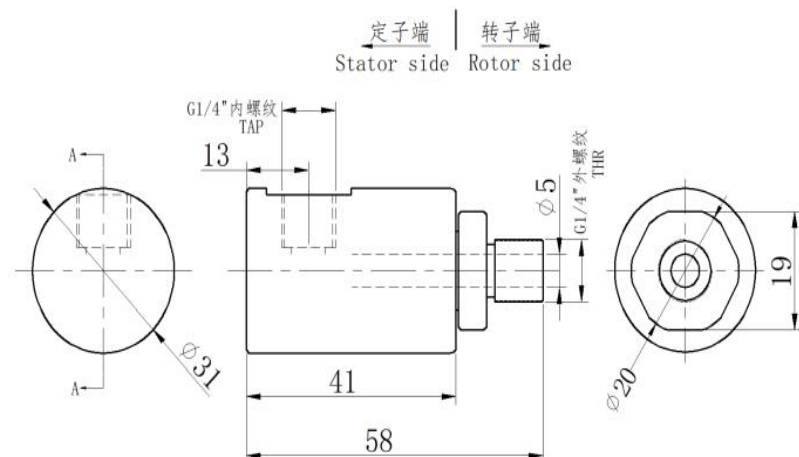
### 【Part # Explanation】

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

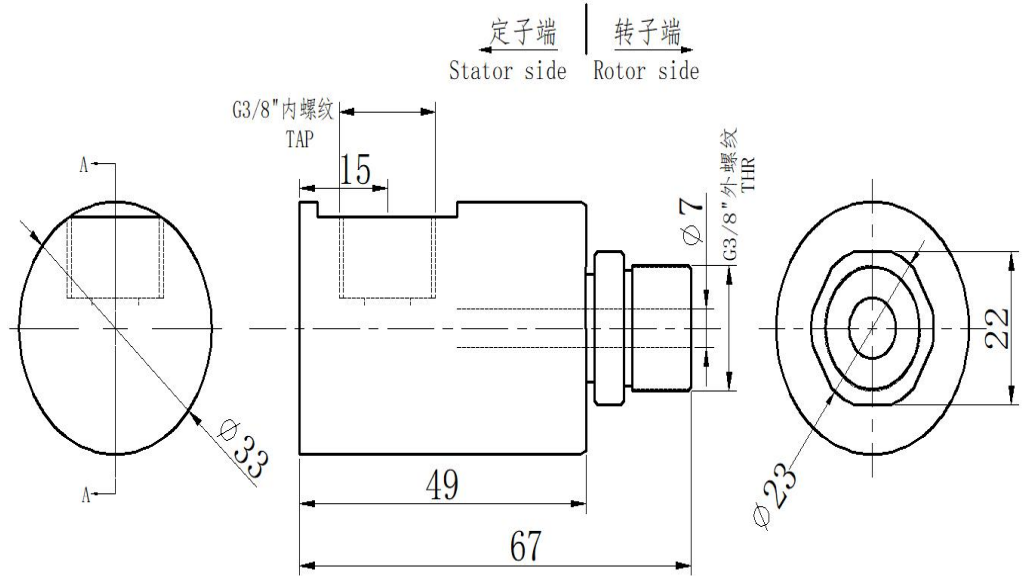
### HQY0101 Drawing



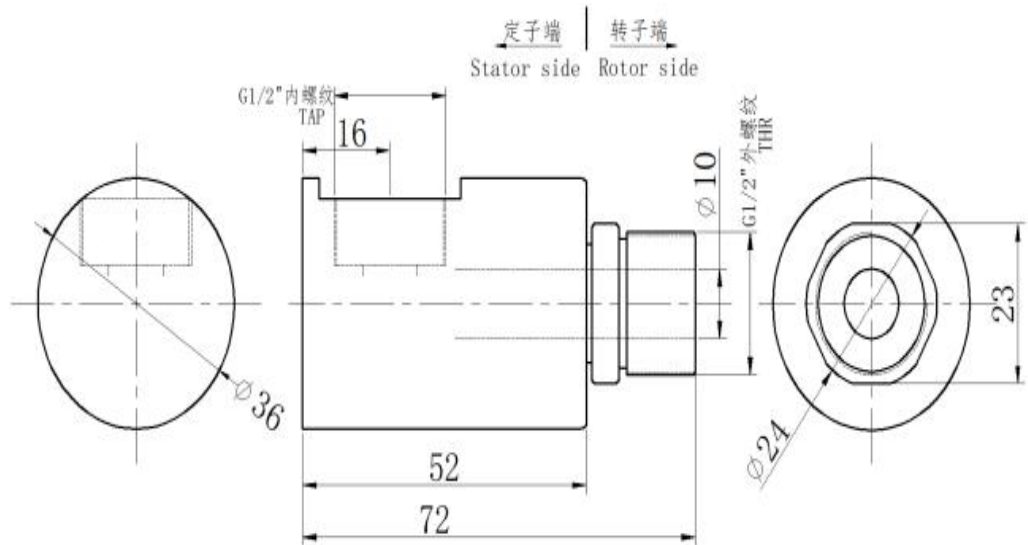
### HQY0102 Drawing



## HQY0103 Drawing



## HQY0104 Drawing



### Model List

#### HQ Series Single Channel Pneumatic Rotary Joint Model List

Model	Port Size	Gas Passage	Pressure Range
HQY0101	G1/8" Port	1 Channel	0 ~ 6MPa
HQY0102	G1/4" Port	1 Channel	0 ~ 6MPa
HQY0103	G3/8" Port	1 Channel	0 ~ 6MPa
HQY0104	G1/2" Port	1 Channel	0 ~ 6MPa

**Technical Specification**

Rotary Joint Part of Technical Specs		Mechanical	
Specs	Data	Specs	Data
Gas Passage	1 Channel	Working Temp.	-25°C ~ 75°C
Medium Type	Air, Vacuum, Flow	Working Humidity	0 ~ 80%RH
Torque	It is related to port size, please refer to "Model List" for more details.	Working Life	About 5 million revolutions
Max. Pressure	Vacuum ~ 6MPa	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)	6 million revolutions	Imported brand	300RPM
VC (Standard)	5 million revolutions	Domestic brand	100RPM

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