

HQ01/HY01 (Single Channel Pneumatic/Hydraulic Rotary Joint)

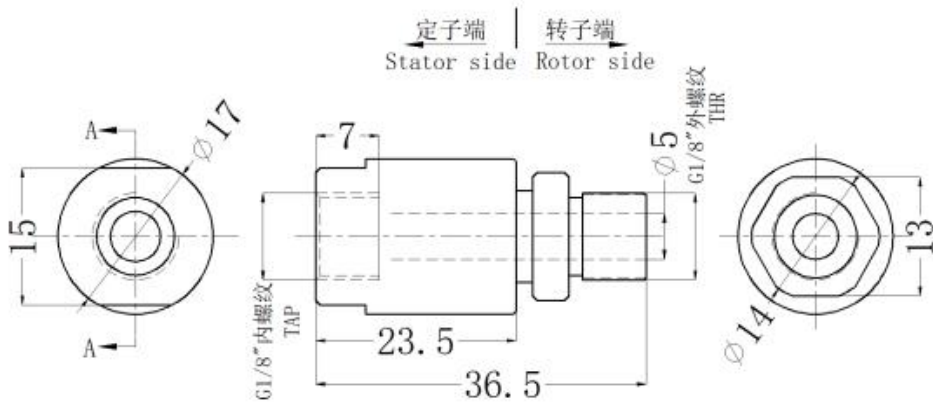
HQ01/HY01 is single channel pneumatic/hydraulic rotary joint series, straight-through, chamfering type;
 Support standard ports: G1/8", G1/4", G3/8", G1/2", G1" ports, compact design;
 Made of hardened all special stainless steel, it is corrosion-resistant and with light weight.
 Standard port sizes in rotating shaft (outer port) and housing (inner port), easy for installation.



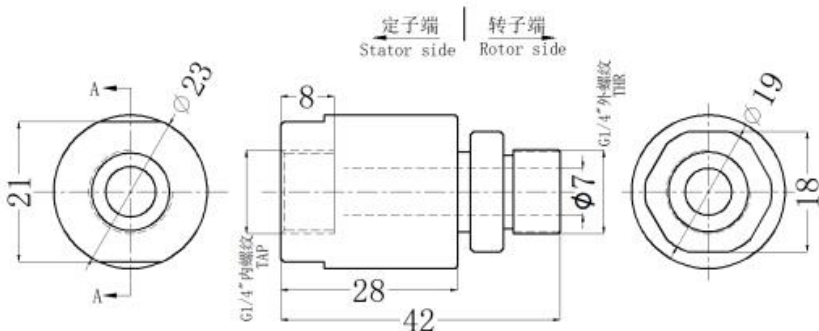
【Part # Explanation】

<p>HQ: Straight-through, transmit gas (chamfering type) HY: Straight-through, transmit flow (chamfering type) HQG: high speed, transmit gas HQY: Lateral Outlet, transmit flow (chamfering type) HYZ: Straight-through, transmit flow (circlip type) HM: Lateral Outlet, transmit flow (circlip type)</p>	<p>HQ 01 01</p>	<p>01: G1/8'' Port 02: G1/4'' Port 03: G3/8'' Port 04: G1/2'' Port 08: G1'' Port</p> <p>Single Channel</p>
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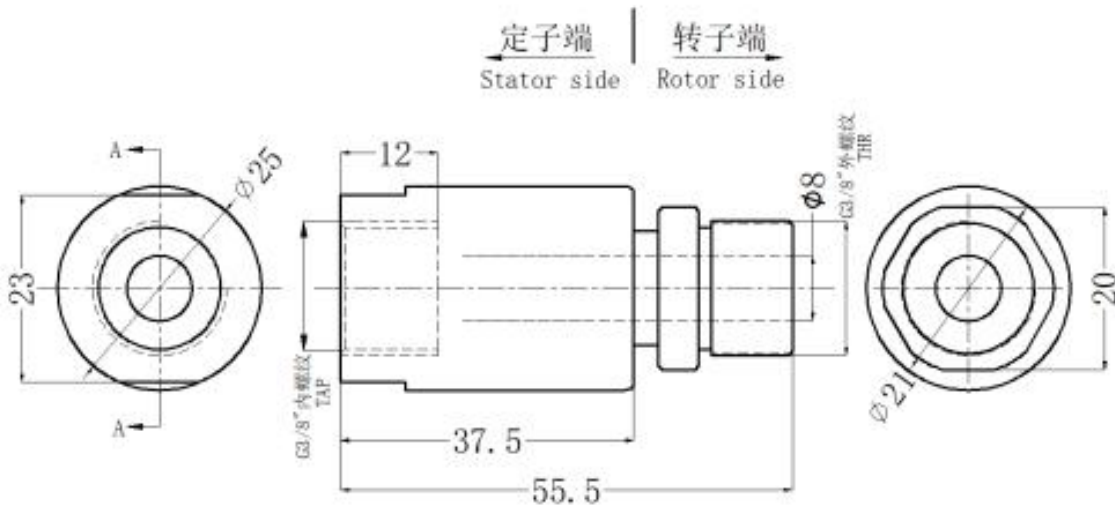
HQ0101/HY0101 Drawing



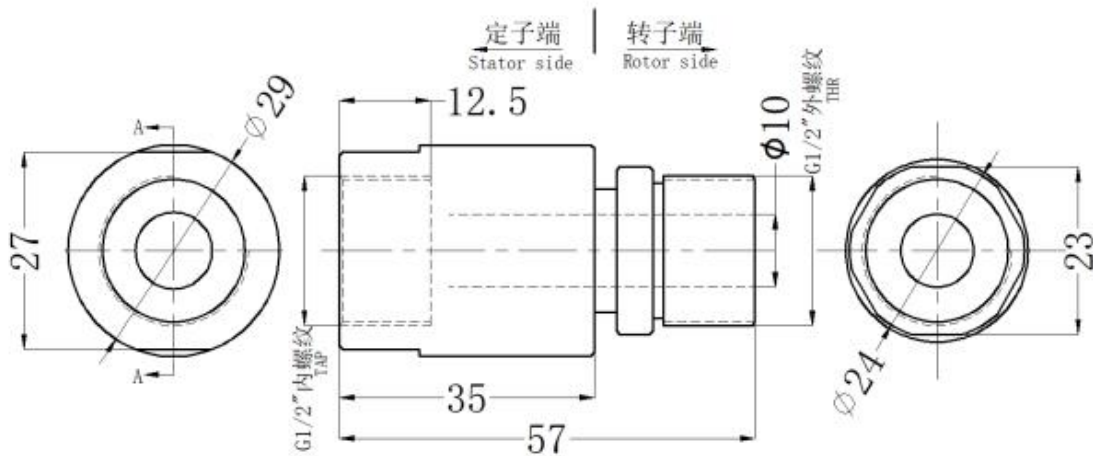
HQ0102/HY0102 Drawing



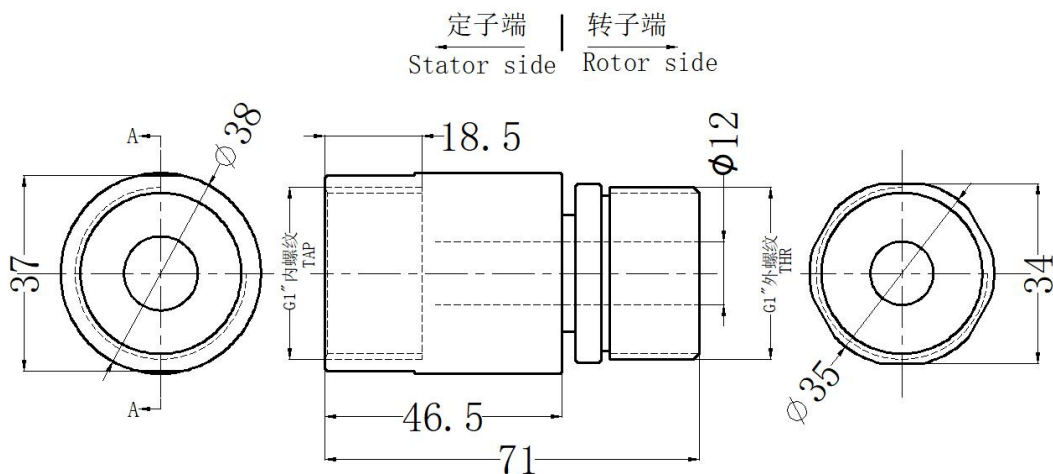
HQ0103/HY0103 Drawing



HQ0104/HY0104 Drawing



HQ0108 Drawing



Model List

Single Channel Pneumatic Rotary Joint Model List

Model	Port Size	Passages	Pneumatic/Hydraulic Pressure Range
HQ0101/HY0101	G1/8" Port	1 Channel (Gas/Flow)	Vacuum ~ 1/ Vacuum ~ 6MPa
HQ0102/HY0102	G1/4" Port	1 Channel (Gas/Flow)	Vacuum ~ 1/ Vacuum ~ 6MPa
HQ0103/HY0103	G3/8" Port	1 Channel (Gas/Flow)	Vacuum ~ 1/ Vacuum ~ 6MPa
HQ0104/HY0104	G1/2" Port	1 Channel (Gas/Flow)	Vacuum ~ 1/ Vacuum ~ 6MPa
HQ0108/HY0108	G1" Port	1 Channel (Gas/Flow)	Vacuum ~ 1/ Vacuum ~ 6MPa

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	Gas/Flow	Working Humidity	0 ~ 80%RH
Torque	It is related to port size, please refer to "Model List" for more details.	Working Life	About 4 million revolutions
Max. Pressure	Gas: 1MPa; Flow: 6MPa	Housing Material	Stainless Steel
Rated Rotating Speed	0 ~ 600RPM	IP Grade	IP51

Product Quality Level Table

Grade Code	Working Life	Sealing Ring	Max. Rotating Speed
VD (Industrial)	5 million revolutions	Imported brand	500RPM
VC (Standard)	3 million revolutions	Domestic brand	300RPM

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.