

## HYZ01 (Single Channel Pneumatic/Hydraulic Rotary Joint)

HYZ01 is single channel pneumatic/hydraulic 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.

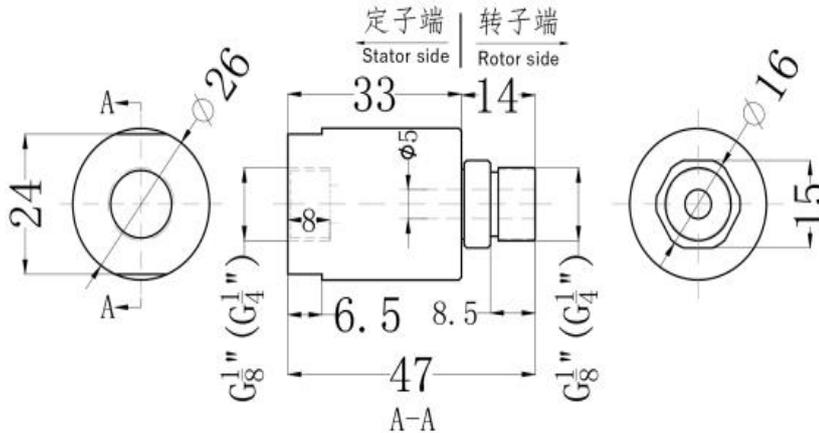
Standard port sizes in rotating shaft (outer port) and housing (inner port), easy for installation.



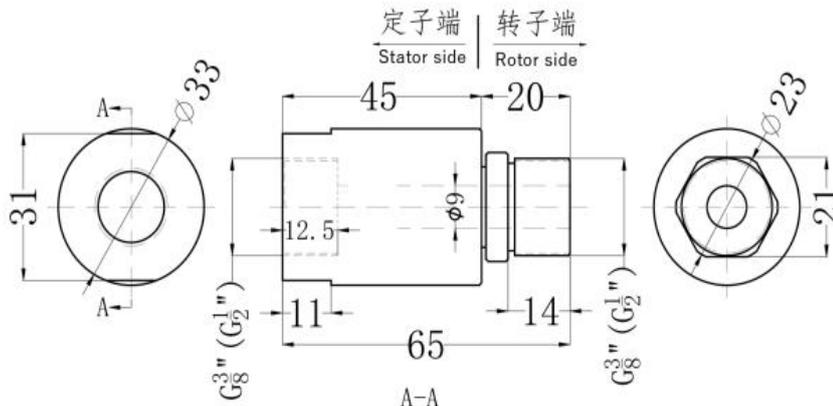
### 【Part # Explanation】

<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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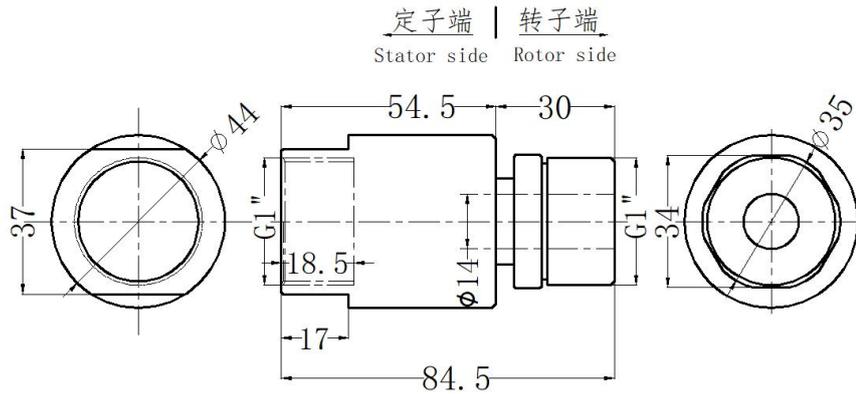
### HYZ0101/HYZ0102 Drawing



### HYZ0103/HYZ0104 Drawing



## HYZ0108 Drawing



### Model List

#### Single Channel Pneumatic Rotary Joint Model List

Model	Port Size	Gas Passage	Pressure Range
HYZ0101	G1/8" Port	1 Channel	0 ~ 6MPa
HYZ0102	G1/4" Port	1 Channel	0 ~ 6MPa
HYZ0103	G3/8" Port	1 Channel	0 ~ 6MPa
HYZ0104	G1/2" Port	1 Channel	0 ~ 6MPa
HYZ0108	G1" Port	1 Channel	0 ~ 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	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.