

HYC01 (Single Channel Pneumatic/Hydraulic Rotary Joint)

HYC01 series is single channel pneumatic/hydraulic rotary joint, lateral outlet, 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.

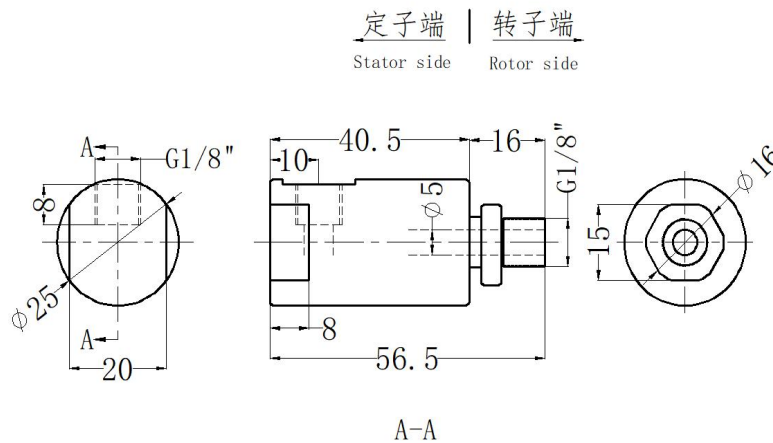
Standard port sizes in rotating shaft (outer port) and housing (inner port), easy for installation.



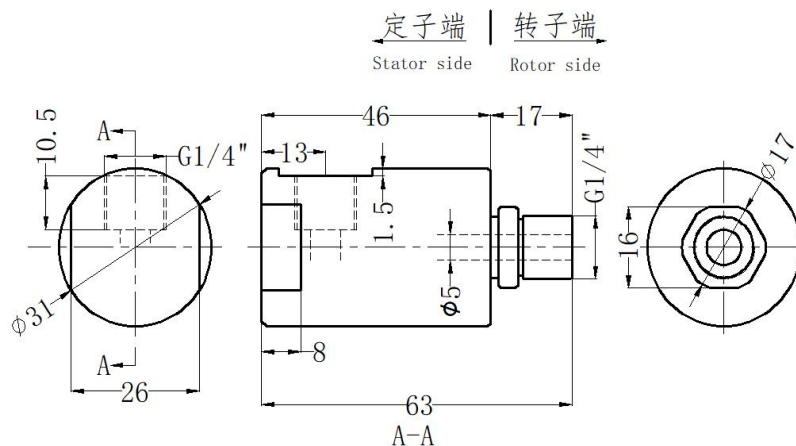
【Part # Explanation】

HQ: Straight-through, transmit gas (chamfering type)	HQ	01	01
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)			
			01: G1/8'' Port 02: G1/4'' Port 03: G3/8'' Port 04: G1/2'' Port 08: G1'' Port
			Single Channel

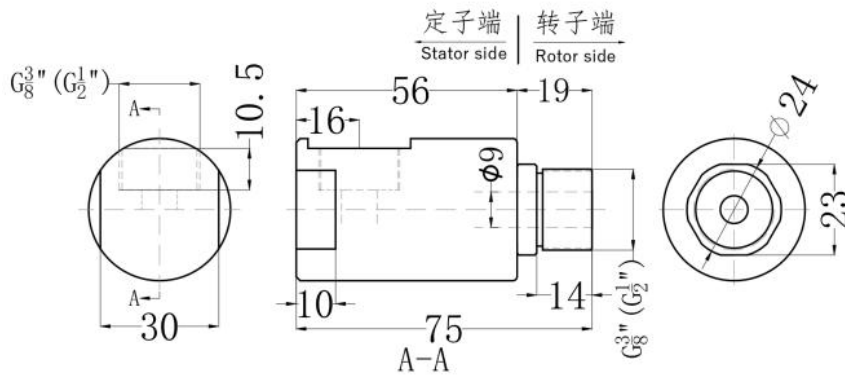
HYC0101 Drawing



HYC0102 Drawing



HYC0103/HYC0104 Drawing



Model List

Single Channel Pneumatic Rotary Joint Model List

Model	Port Size	Gas Passage	Pressure Range
HYC0101	G1/8" Port	1 Channel	0 ~ 6MPa
HYC0102	G1/4" Port	1 Channel	0 ~ 6MPa
HYC0103	G3/8" Port	1 Channel	0 ~ 6MPa
HYC0104	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	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: ① High temperature can reach up to 500°; ② High voltage can reach up to 110KV; ③ High speed rotating speed can reach up to 1000RPM ④ Large current can reach up to 5000A; ⑤ Can combine with rotary joint; ⑥ Can combine to transmit with signal; ⑦ Can customize as your required size; ⑧ Aviation plug is optional; ⑨ Can combine to transmit in high speed rotating speed; ⑩ Underwater waterproofing is optional.