

## HQ0401DX (4 Passages Large Bore Pneumatic Rotary Joint)

HQ0401DX Series is 4 passages pneumatic rotary joint. It is made of special aluminum alloy, with small size, light weight and small torque.

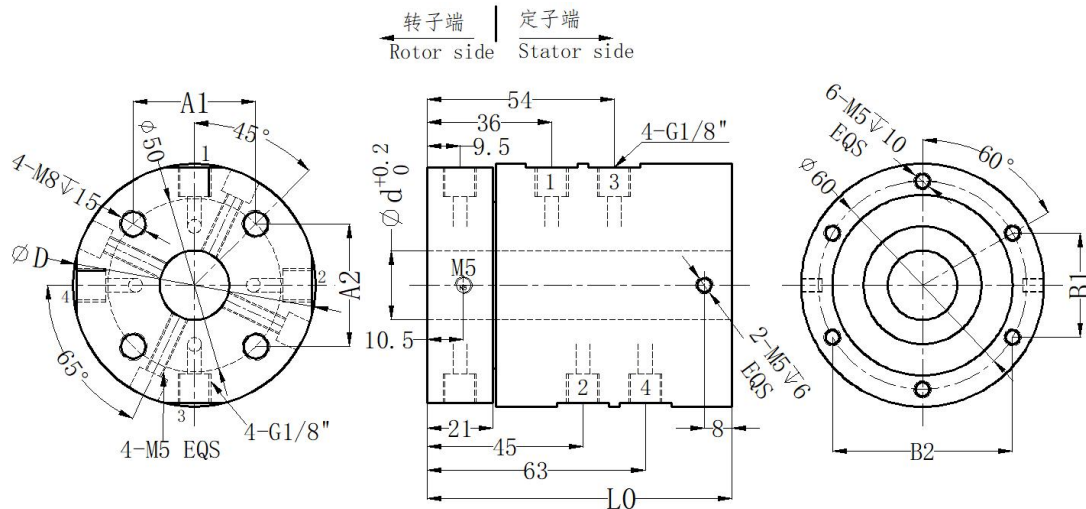
Can transmit medium types: compressed gas, vacuum, etc. G1/8" port is a frequency-used port, ports like G3/8" port, M5 port, are the same.



### 【Part # Explanation】

<b>HQ</b>	<b>D</b>	<b>02</b>	<b>01</b>	<b>DN</b>
HQ: Straight-through, transmit gas (chamfering type)	D: Rotor's end face outlet type	02: 2 IN 2 OUT 04: 4 IN 4 OUT 06: 6 IN 6 OUT, ... and so forth	01: G1/8" Port 02: G1/4" Port 03: G3/8" Port 04: G1/2" Port 005: M5 Port	D: through hole. N: Center hole size

### HQ0401-DX Drawing



Model	D (Inner Diameter)	D (Outer Diameter)	L0(Length)	A1	A2	B1	B2
HQ0201-20	20	70	88	35.4	35.4	30	52
HQ0201-30	30	80	90	42.4	42.4	36	62.3
HQ0201-40	40	93	117	49.5	49.5	42.5	73.6
HQ0201-50	50	103	117	56.6	56.6	48	83.1
HQ0201-60	60	118	122	63.6	63.6	55	95.2
HQ0201-70	80	140	125	77.8	77.8	66	114.3
HQ0201-100	100	173	133	96.2	96.2	81	140.3

### Model List

Model	Port Size	Gas Passage	Pipe Size
HQ0401DX	G1/8" Port	4	6 ~ 8mm

### Technical Specification

Mechanical		Electrical		
Spec	Data	Spec	Data	
Gas Passage	4 IN 4 OUT, G1/8" Port		Power	Signal
Pressure&Torque	Max. 1MP, Vacuum-1.5Kpa; Torque < 1.2 N.m	Voltage	0 ~ 440VAC/VDC	0 ~ 440VAC/VDC
Working Life	About 10 million revolutions (depend on the working environment)	Resistance	≥ 1000MΩ/300vdc	≥ 1000MΩ/300vdc
Rated Rotating Speed	500RPM	Lead Wire Spec	AWG16#Tin-plated Teflon	AWG22#Tin-plated Teflon
Working Temp.& Humidity	-30°C ~ -75°C, 0 ~ 80%RH	Lead Wire Length	Standard Length: 300mm	
Material	Housing Material: Aluminum Alloy Contact Material: Precious Metal	Insulation Strength	500VAC@50Hz, 60s	
IP Grade	IP51	Electrical Noise	<0.01Ω	

### 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 revolution	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.