

HQ0201DN (2 Passages Large Bore Pneumatic Rotary Joint)

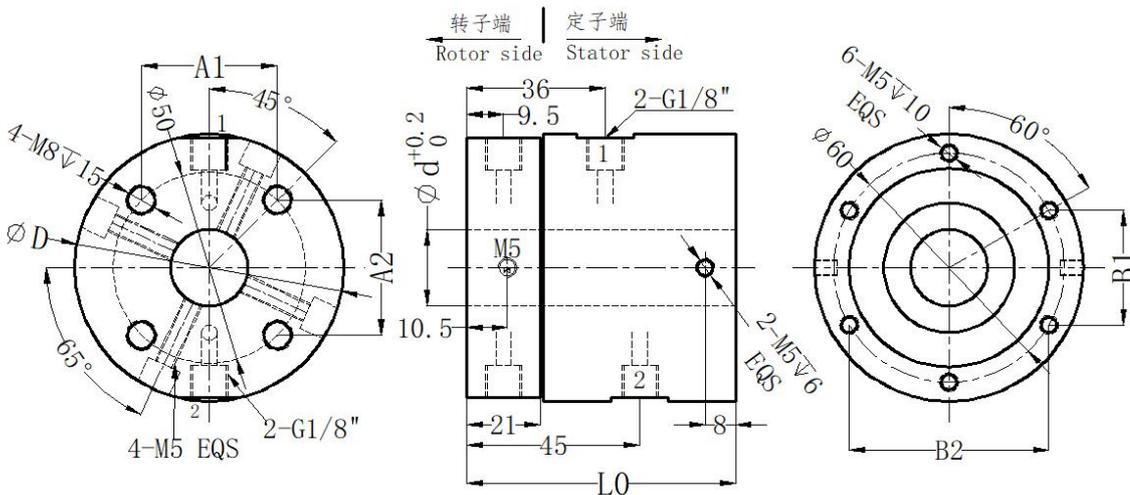
HQ0201DX Series is 2 passages pneumatic rotary joint; It is made of special aluminum alloy, with small size, light weight and small torque. Can transmit medium types: compressed gas, vacuum, etc. G1/8" port is a frequency-used port, ports like G3/8" port, M5 port, are the same.



【Part # Explanation】

HQ	D	02	01	DN
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

HQ0201-DX Drawing



Model	d (Inner Diameter)	D (Outer Diameter)	Length L0	A1	A2	B1	B2
HQ0201-20	20	70	70	35.4	35.4	30	52
HQ0201-30	30	80	72	42.4	42.4	36	62.3
HQ0201-40	40	93	89	49.5	49.5	42.5	73.6
HQ0201-50	50	103	89	56.6	56.6	48	83.1
HQ0201-60	60	118	94	63.6	63.6	55	95.2
HQ0201-70	80	140	97	77.8	77.8	66	114.3
HQ0201-100	100	173	105	96.2	96.2	81	140.3

Model List

Model	Port Size	Gas Passage	Pipe Size
HQ0201DX	G1/8" Port	2	6 ~ 8mm

Technical Specification

Mechanical		Electrical		
Spec	Data	Spec	Data	
Gas Passage	2 IN 2 OUT, G1/8" Port		Power	Signal
Pressure&Torque	Max. 1MP, Vacuum-1.5Kpa; Torque < 1.2 N.m	Voltage	0 ~ 240VAC/VD C	0 ~ 240VAC/VDC
Working Life	About 10 million revolutions (depend on the working environment)	Resistance	≥ 500MΩ/300v dc	≥ 500MΩ/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, 10s	
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 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.