

HQ1001 (10 Passages Pneumatic Rotary Joint)

HQ1001 Series is 10 passages flange mounted pneumatic rotary joint.

It is made of special aluminum alloy, with small size, light weight and small torque.

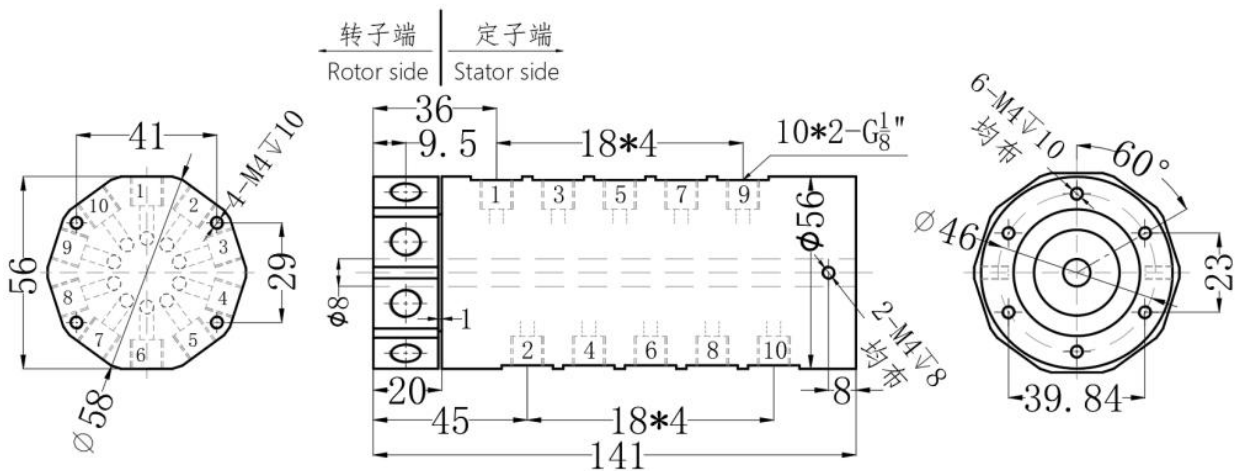
Can transmit medium types: compressed gas, vacuum, etc.

Can combine to transmit: electrical power and signal, solenoid valve, control circuits, etc.

G1/8" port is a frequency-used port, ports like G3/8" port, M5 port, are the same.



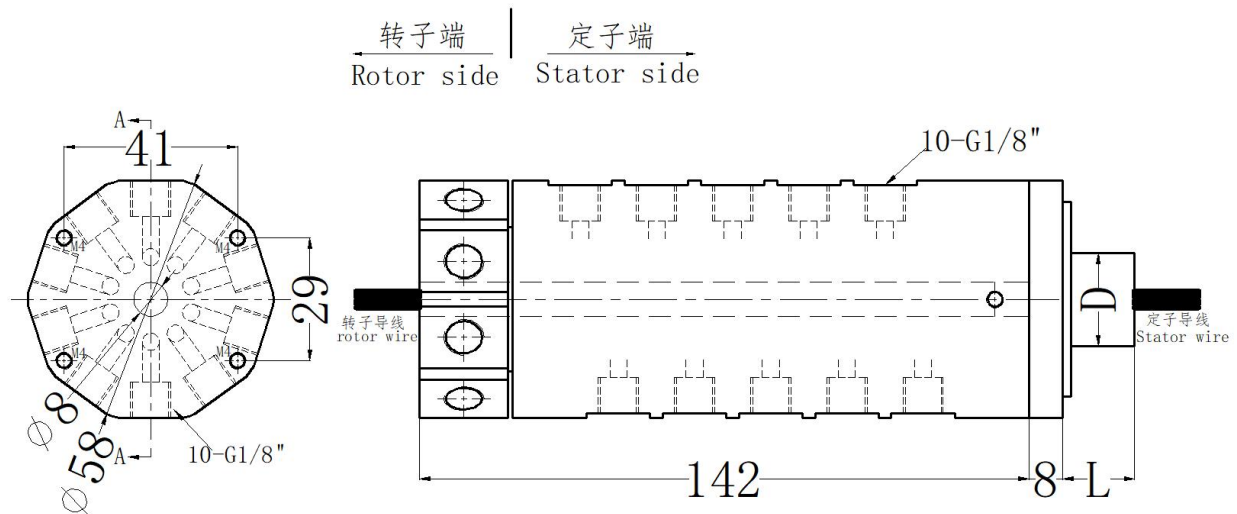
HQ1001 10 IN 10 OUT G1/8" Port



Model List

Model	Port Size	Gas Passage	Pipe Size
HQ1001	G1/8" Size	10	6 ~ 8mm

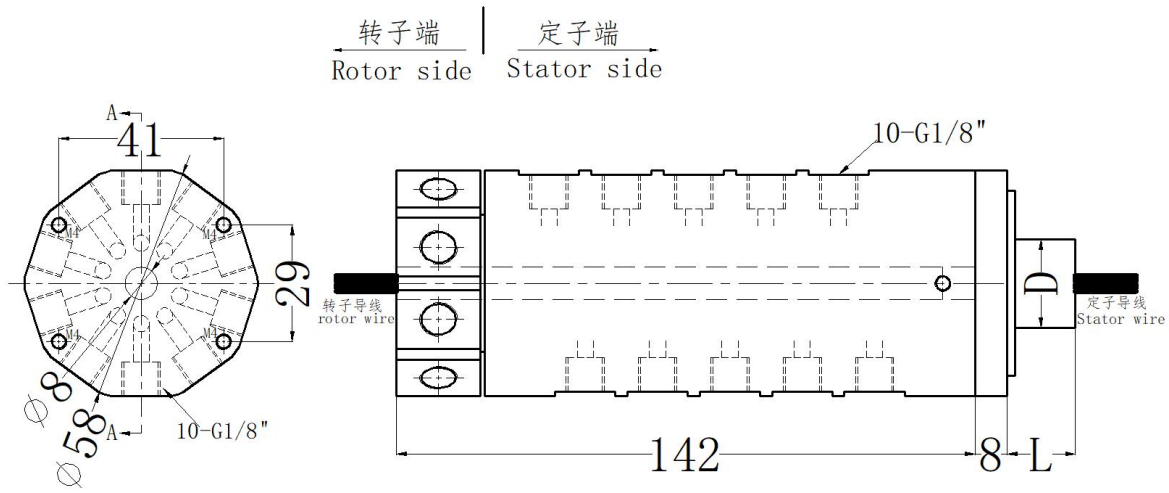
HQ1001-06M (12, 18, 24, 36) 10 IN 10 OUT G1/8" Port + 6~36 Passages Capsule Signal Slip Ring



Model List (For other models, please contact customer service)

Model	Port Size	Gas Passage	Signal Circuits@1 ~ 2A	L (mm)	D (mm)	Pipe Size
HQ1001-06M	G1/8" Port	10	6	17	22	6 ~ 8mm
HQ1001-12M	G1/8" Port	10	12	24.5	22	6 ~ 8mm
HQ1001-18M	G1/8" Port	10	18	31.9	22	6 ~ 8mm
HQ1001-24M	G1/8" Port	10	24	39.6	22	6 ~ 8mm
HQ1001-36M	G1/8" Port	10	36	54.5	22	6 ~ 8mm

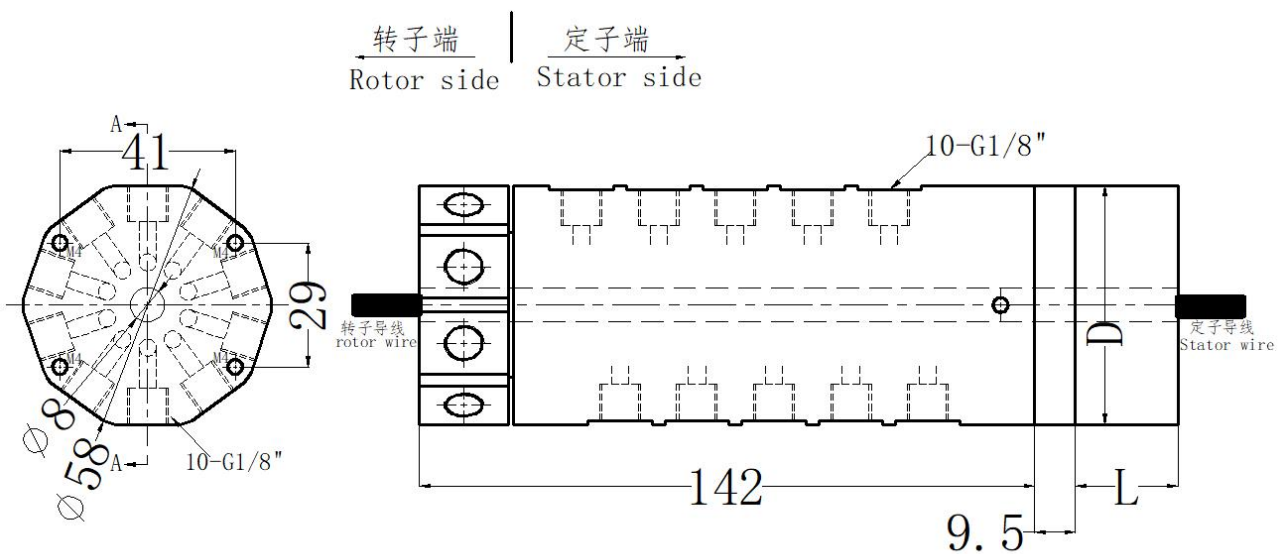
HQ1001-56M 10 IN 10 OUT G1/8" Port



Model List (For other models, please contact customer service)

Model	Port Size	Gas Passage	Signal Circuits@ 1 ~ 2A	L(mm)	D(mm)	Pipe Size
HQ1001-56M	G1/8" Port	10	56	86	25	6 ~ 8mm

HQ1001-NA-NS Drawing 10 IN 10 OUT G1/8" Port



Model List (For other models, please contact customer service)

Model	Port Size	Gas Passage	Signal Circuits @5A	Power Circuits @10A	L (mm)	D(mm)	Pipe Size
HQ1001-0610	G1/8" Port	10	0	6	39	56	6 ~ 8mm
HQ1001-06S	G1/8" Port	10	6	0	39	56	6 ~ 8mm
HQ1001-1210	G1/8" Port	10	0	12	57	56	6 ~ 8mm
HQ1001-0610-06S	G1/8" Port	10	6	6	57	56	6 ~ 8mm
HQ1001-1810	G1/8" Port	10	0	18	75	56	6 ~ 8mm
HQ1001-0610-12S	G1/8" Port	10	12	6	75	56	6 ~ 8mm
HQ1001-18S	G1/8" Port	10	18	0	75	56	6 ~ 8mm
HQ1001-24S	G1/8" Port	10	24	0	93	56	6 ~ 8mm
HQ1001-0610-18S	G1/8" Port	10	18	6	93	56	6 ~ 8mm
HQ1001-30S	G1/8" Port	10	30	0	111	56	6 ~ 8mm
HQ1001-36S	G1/8" Port	10	36	0	129	56	6 ~ 8mm

Note: Electrical power circuits @10A can combine with signal circuits @5A at will. For more models, please contact customer service.

Technical Specification

Mechanical		Electrical		
Spec	Data	Spec	Data	
Passage no.	10 IN 10 OUT, G1/8"		Power	Signal
Pressure & Torque	Max. 1MP, Vacuum-1.5Kpa; Torque < 1.2N.m	Voltage	0 ~ 240VAC/VDC	0 ~ 240VAC/VDC
Working Life	About 10 million revolutions (depend on the working environment)	Resistance	\geq 500M Ω /300vdc	\geq 500M Ω /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	<0.01 Ω	

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