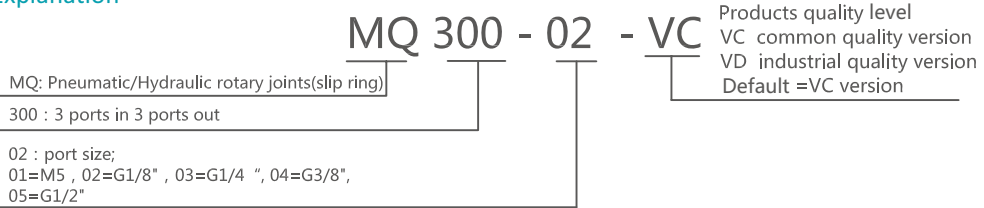


# MQ300 Series (3 Port In 3 Port Out Fluid Rotary Unions)



MQ300 Pneumatic/Hydraulic rotary joints, optional size for M5,G1/8, G1/4,G3/8,G1/2,it can be customized for larger port,for example G1", G2", medias: compressed air,vacuum,hydrogen,nitrogen,Chemical mixed gas,steam,cooling water,hot water,hot oil,petroleum,vitriol,drink etc.

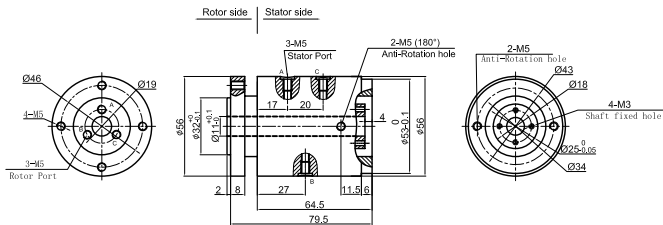
## Part# Explanation



M5 Port



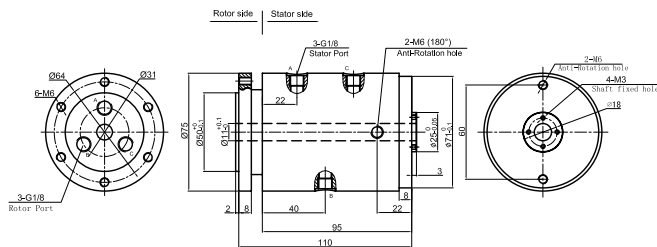
MQ300-01 Dimensions



G1/8 Port



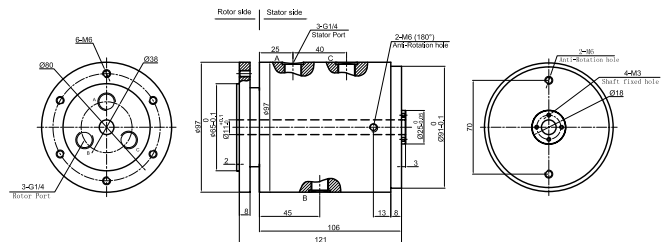
MQ300-02 Dimensions



G1/4 Port



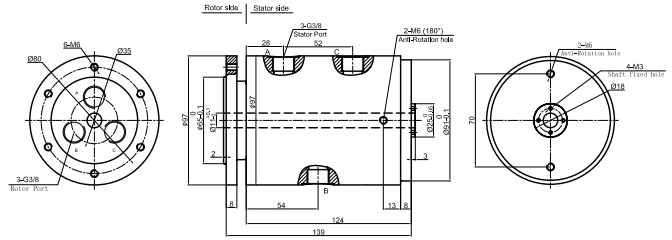
MQ300-03 Dimensions



G3/8 Port



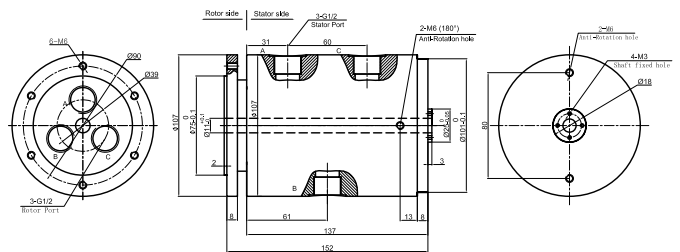
MQ300-04 Dimensions



G1/2 Port



MQ300-05 Dimensions



### Part# list

MQ300 series Pneumatic/Hydraulic rotary joints part list

Part#	Pneumatic/Hydraulic passages	Max torque (N.M)	Port size	Part#	Pneumatic/Hydraulic passages	Max torque (N.M)	Port size
MQ300-01	2 in 2 out	1.2	M5	MQ300-04	2 in 2 out	4	G3/8 "
MQ300-02	2 in 2 out	2.6	G1/8 "	MQ300-05	2 in 2 out	4.5	G1/2 "
MQ300-03	2 in 2 out	3.4	G1/4 "				

### Specifications

Mechanical Data		Rotary Joints Technique Data	
Parameter	Value	Parameter	Value
Working Life	See product quality level table	Passages	3 ports in 3 ports out
Rotating Speed	See product quality level table	Max Pressure	10MPa (can be customized) , vacuum 0.01torr
Working Temperature	-30°C~80°C	Media	Air,vacuum,hydraulic oil,water,hot water,cooling water,steam etc
Operating Humidity	0~85% RH	Torque	See part list above
Sealing Element	See product quality level table		
Housing Materials	aluminium alloy/stainless steel		
Protection Grade	IP51		

### Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Sealing Element
VC	100RPM	6 millions revs	Common Sealing Element
VD	300RPM	20 millions revs	High-Quality Sealing Element

### Options for custom slip ring

Notes:it can be customized as below requirements,lead time would increase 3~15 days,price would increase 5%~50%.Most basic parts of slip ring are standard and modularized,which saved costs and lead time.

- 1 Port size
  - 2 Pressure
  - 3 Rotating speed
  - 4 Through bore size
  - 5 Corrosive media,all stainless steel,anti-explosion,high temp etc.
  - 6 Can combine with electrical slip ring
- Technical support: Technical@moflon.com