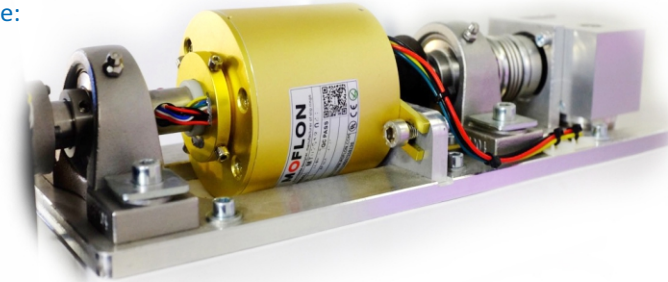


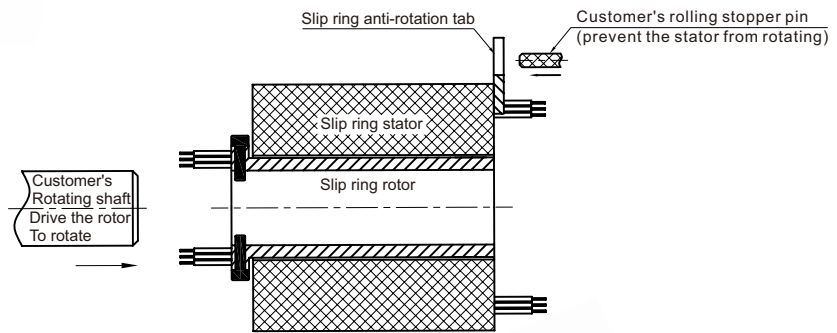
Installation Instruction -Through Bore Slip Ring

Through bore slip ring is the one with hole in the center. It normally installed by fixing the outer ring when inner ring rotating. However, for some special request, the inner ring can be fixed while outer ring rotating.

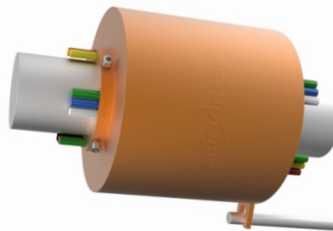
Installation example:



Installation diagram (2D) :



Installation diagram(3D) :



Installation guide:

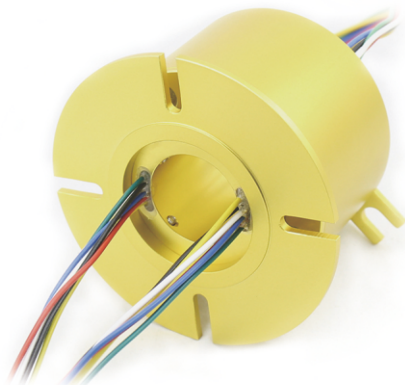
We suggest fixing slip ring on the rotating shaft with 4 screws because it can ensure concentricity of rotor and stator. Please make sure it rotate fluently before tighten the screws. Inserting anti-rotating pole into anti-rotor pin, do not fix anti-rotating pin forcibly, or it would affect life time of slip ring

Notes:

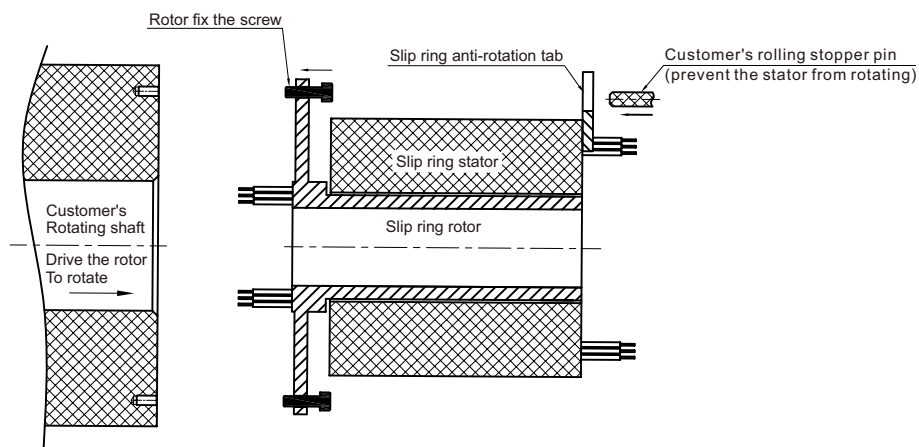
- ① Slip ring just can load own weight, the leads also can't load external pulling force.
- ② It's necessary to protect the lead wires while installing.
- ③ slip ring is a precision electrical components, it should work in a dry, less dust environment. It must add some protection if working in strict condition.
- ④ Ensure the screw is tight.
- ⑤ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑥ Stator and rotor part can be exchange according to the different demands.

Through Bore Rotor Flange Slip Ring Installation Instruction.

Through bore slip ring is the one has hole in the center. Rotor part rotating, stator part fixing for general installation, but it's also ok with stator part rotating, rotor part fixing.



Installation diagram (2D) :



Installation guide:

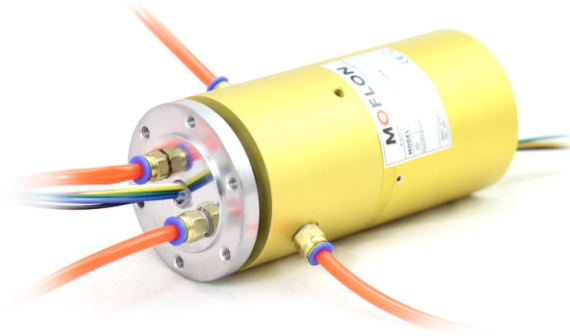
We suggest fixing slip ring on the rotating shaft with 4 screws because it can ensure concentricity of rotor and stator. Please make sure it rotate fluently before tighten the screws. Inserting anti-rotating pole into anti-rotator pin, do not fix anti-rotating pin forcibly, or it would affect life time of slip ring

Notes:

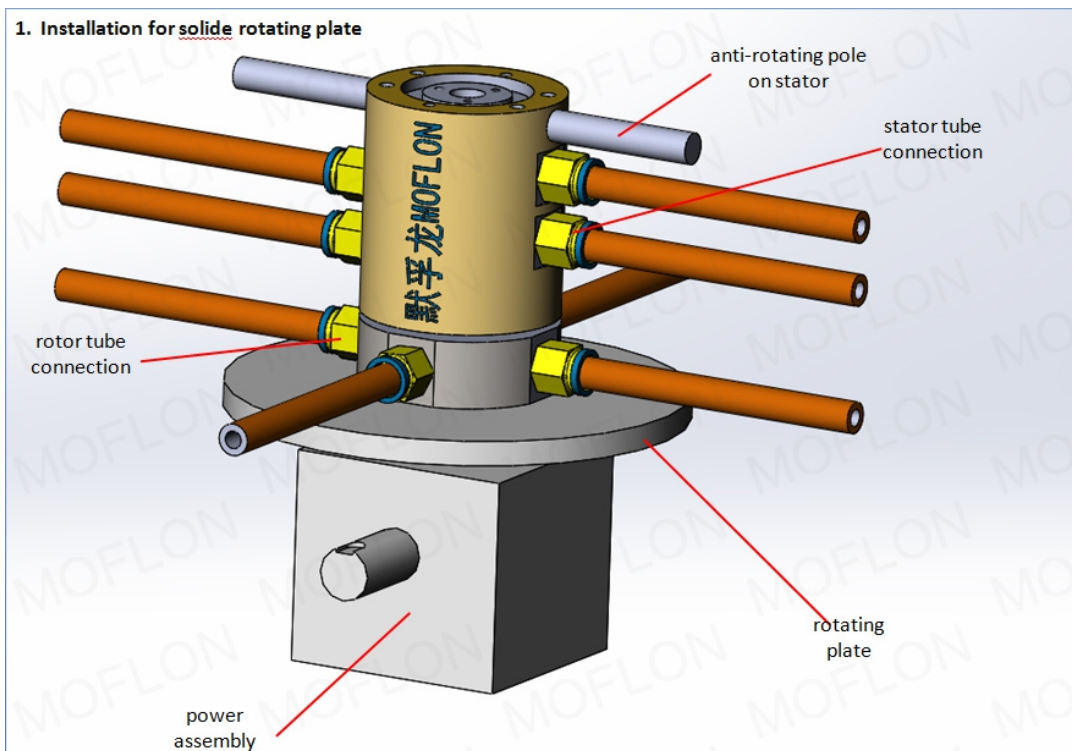
- ① Slip ring just can load own weight, the leads also can't load external pulling force.
- ② It's necessary to protect the lead wires while installing.
- ③ slip ring is a precision electrical components, it should work in a dry, less dust environment. It must add some protection if working in strict condition.
- ④ Ensure the screw is tight.
- ⑤ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑥ Stator and rotor part can be exchange according to the different demands.

Installation instruction -Fluid Slip Ring

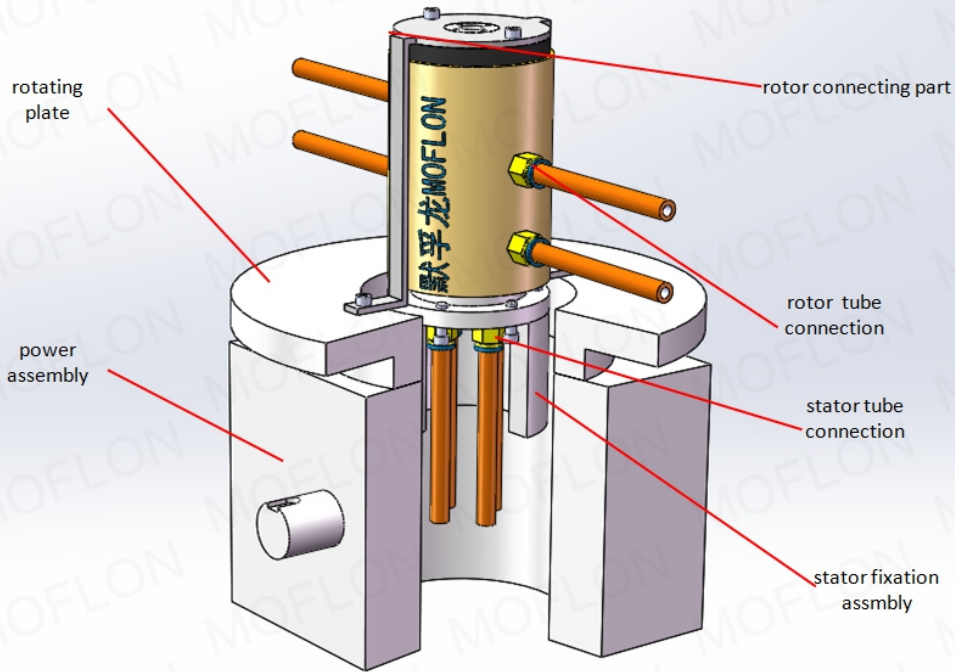
Pneumatic hydraulic slip ring is a 360°rotary electric device,used for dustrial application.



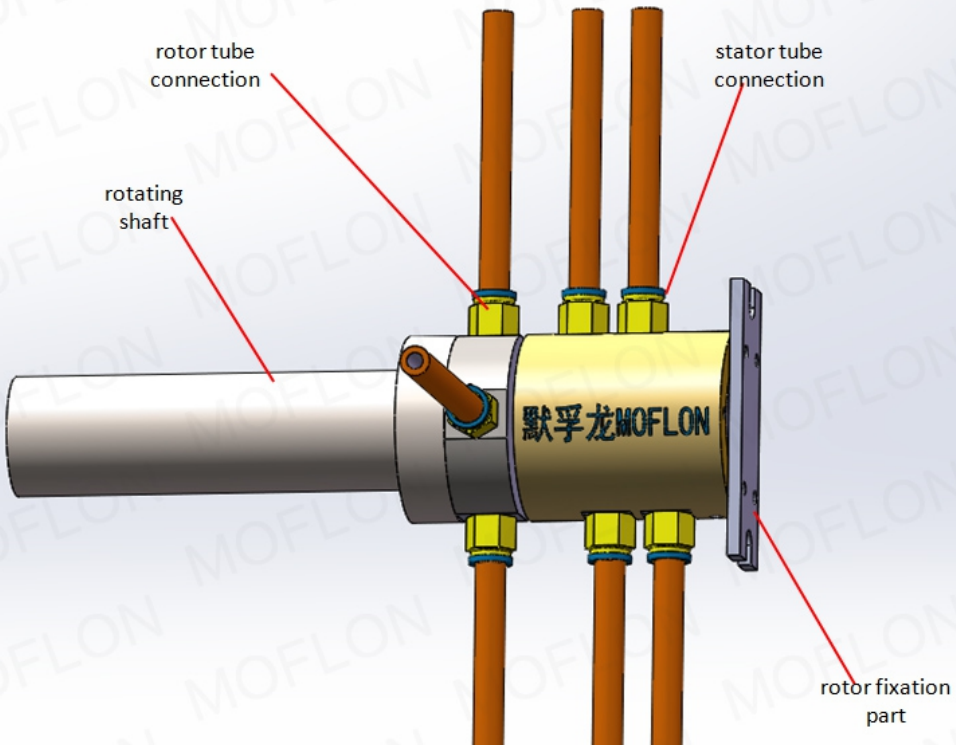
Installation diagram (3D) :



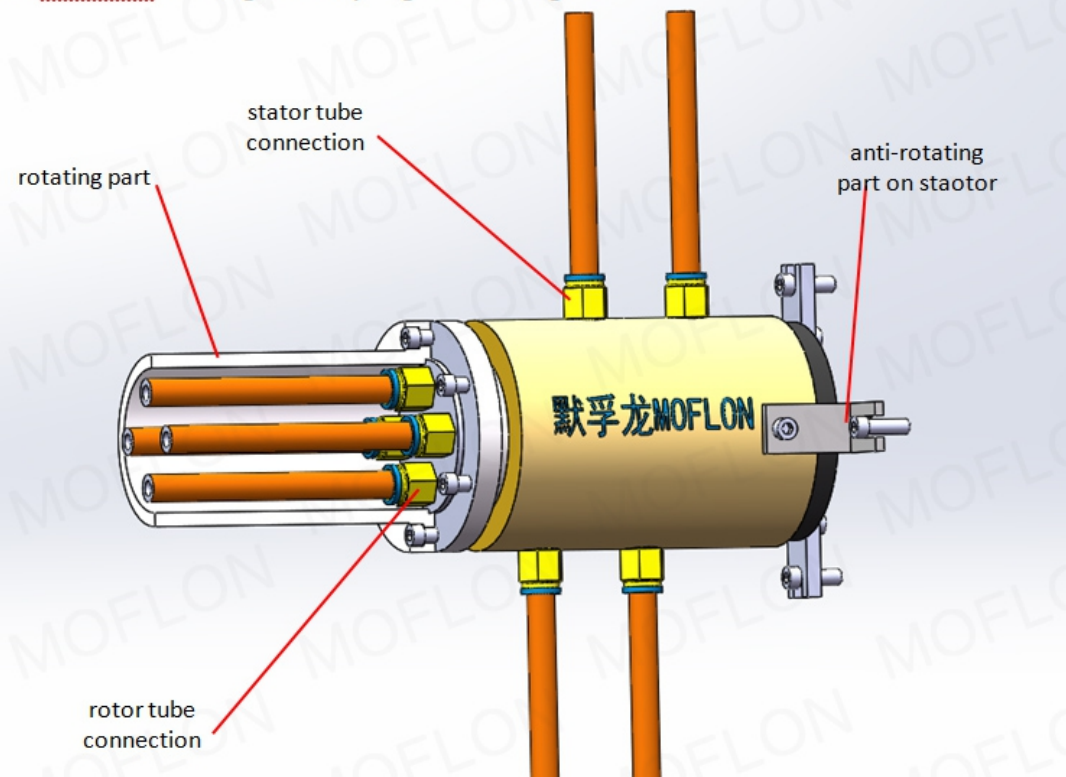
2. Installation for through bore rotating plate



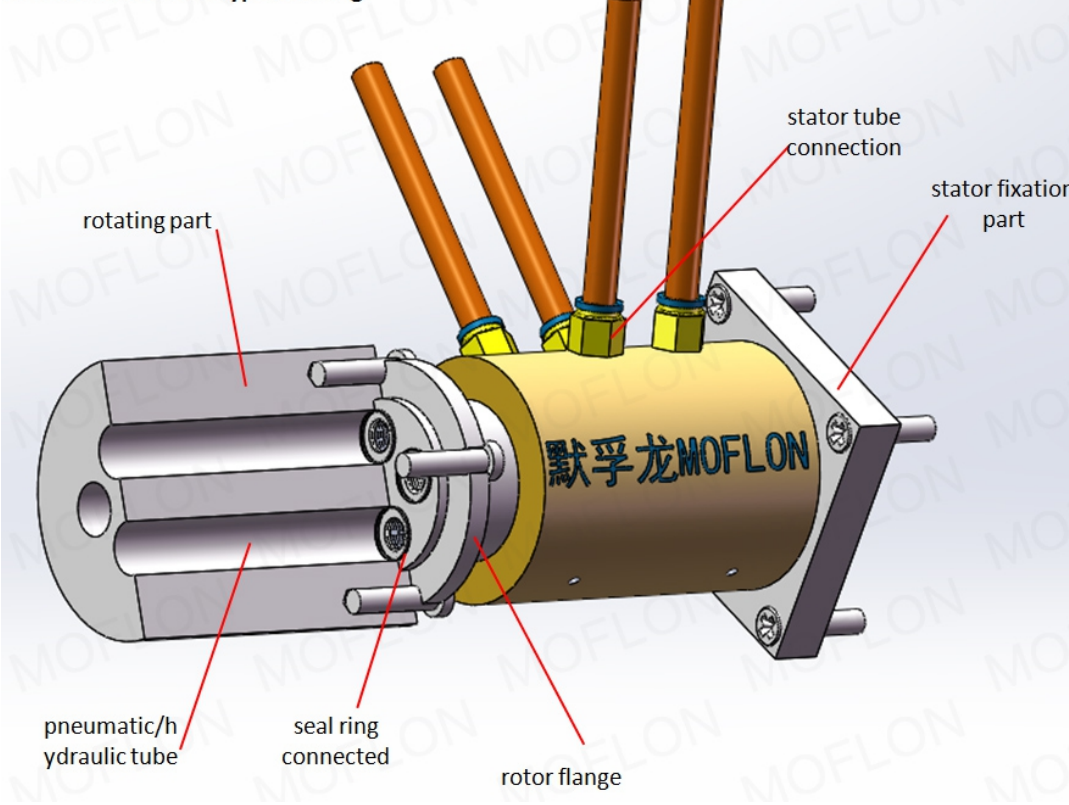
3. Installation for rotating shaft without bore



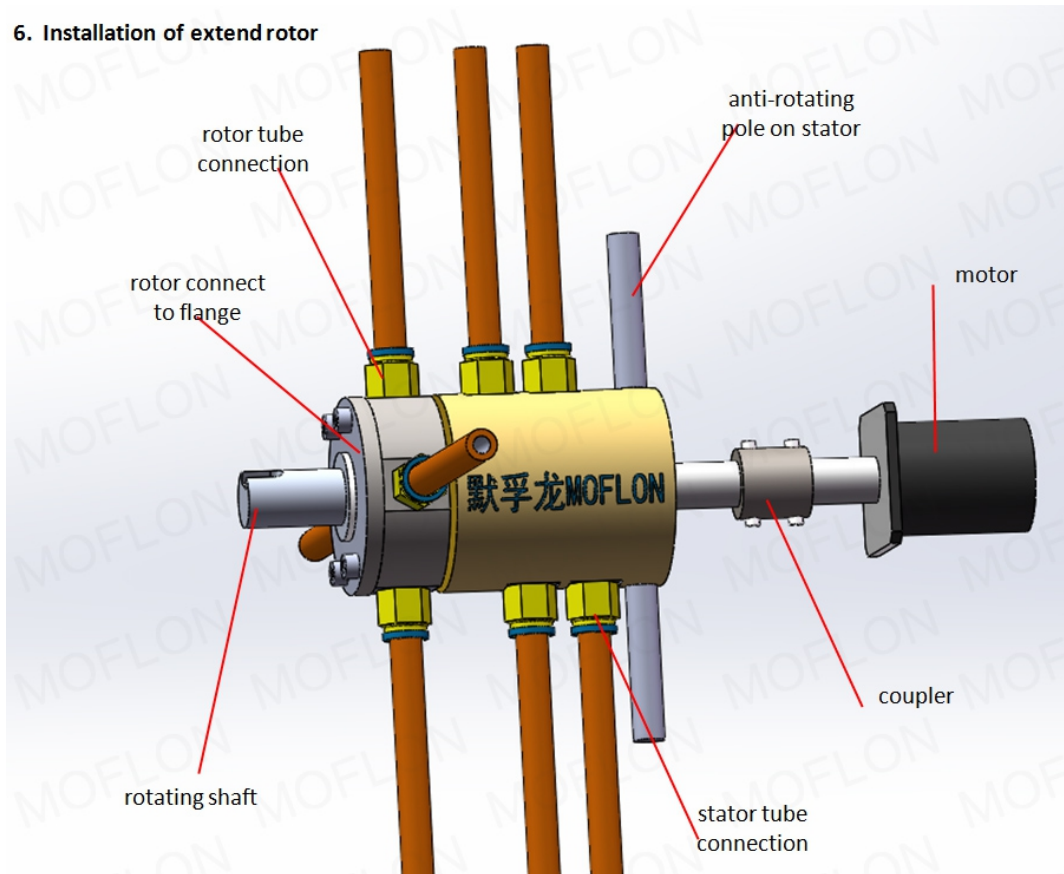
4. Installation for trough bore slip ring with rotating shaft



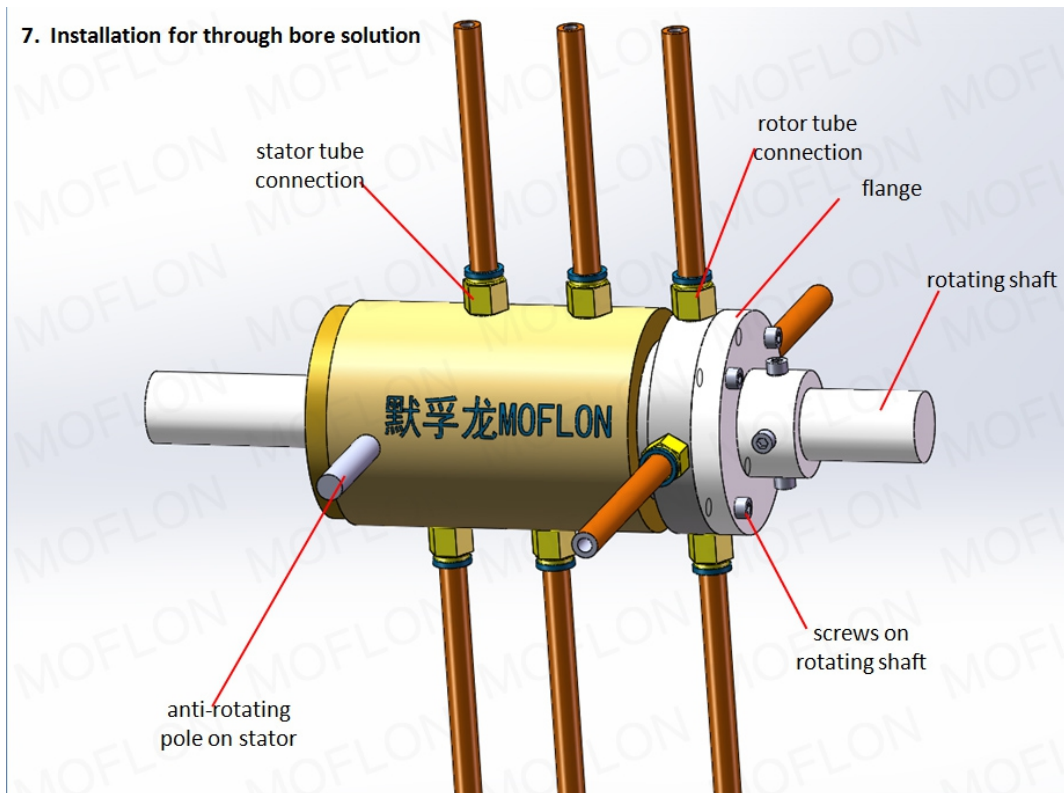
5. Installation for O type seal ring

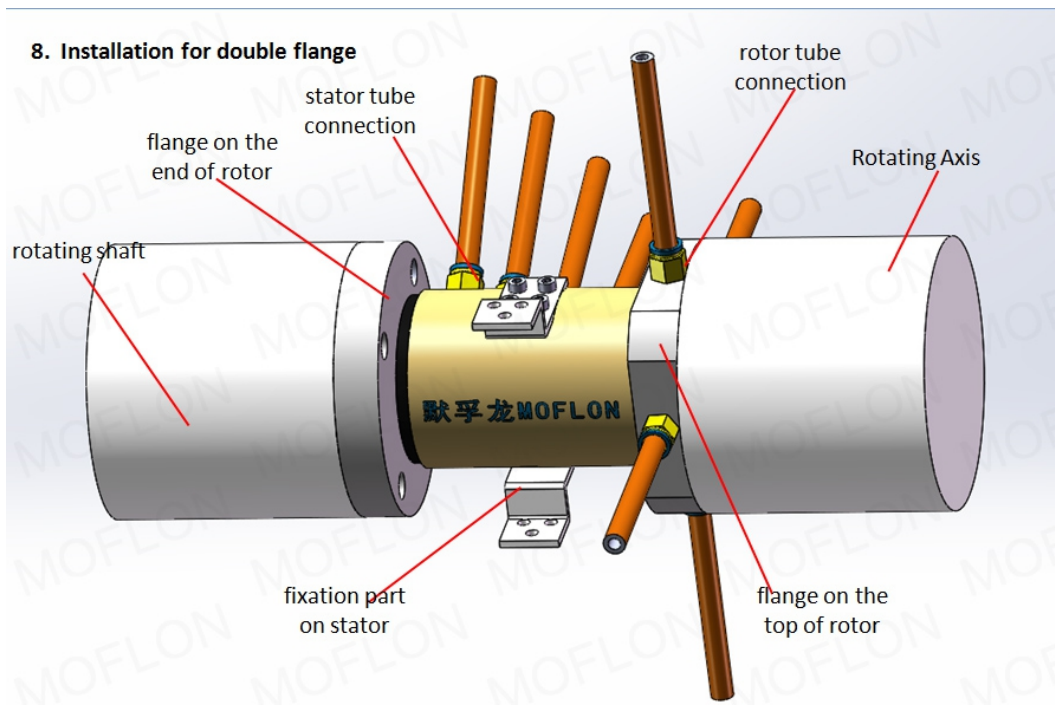


6. Installation of extend rotor



7. Installation for through bore solution





Installation guide:

- 1) Installation site should match with the position of flange,if not,then add transitional flange
- 2) The installation hole of flange has teeth.
- 3) Adding spring shim to avoid screw loose in the vibrate condition.
- 4) Flange has a boss ,used to located coaxiality ,
- 5) There are 2 anti-rotate holes on the slip ring,anti-rotate pole twists into hole and should be keep a certain freedom while connected with stator part,otherwise ,slip ring would be damaged easily.Normally ,cover the slip ring with torus and connect anti-rotate pole.

Notes:

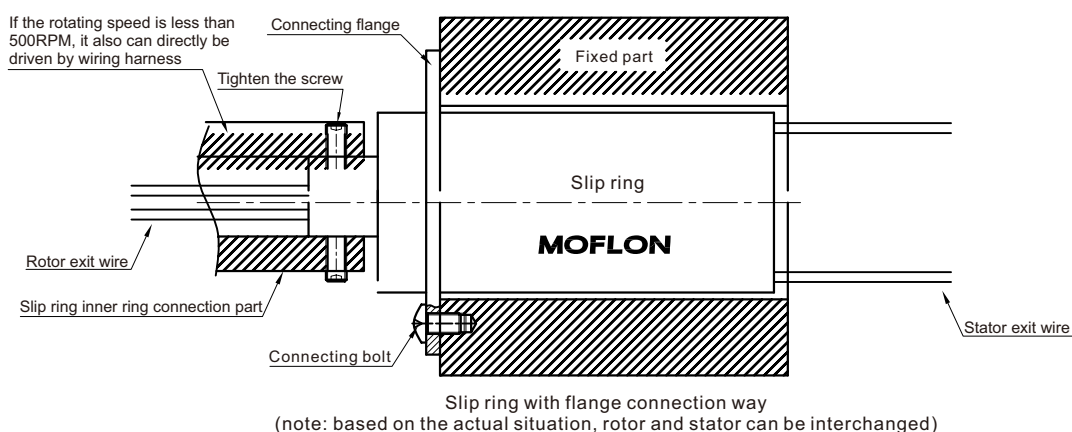
- ① It's necessary to protect the lead wires and pipe while installing.
- ② Slip ring is a precision electrical components,it should works in a dry,less dust environment. It must add some protection if working in strict condition.
- ③ Ensure the screw is tight.
- ④ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.

Stator flange slip ring installation instruction.

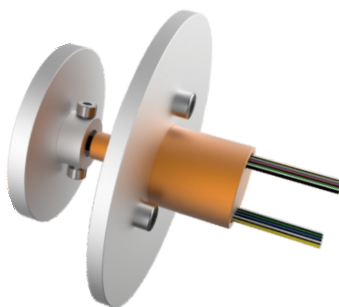
Stator flange slip ring means flange located on outer of the slip ring, picture as below:



Installation diagram (2D) :



Installation diagram (3D) :



Installation instruction:

1.Rotor fixation

- For miniature, compact slip ring, it can rotate with cable,without fixed.
- For large stator flange slip ring,it can use screws or flat place to fix

2.Flange fixation

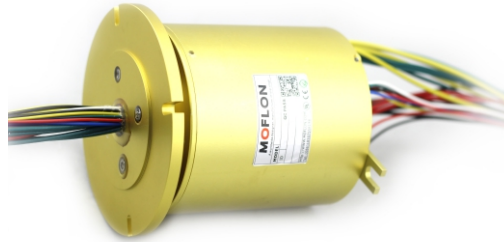
- Fixing flange on stator side,and locking the screws.

Notes:

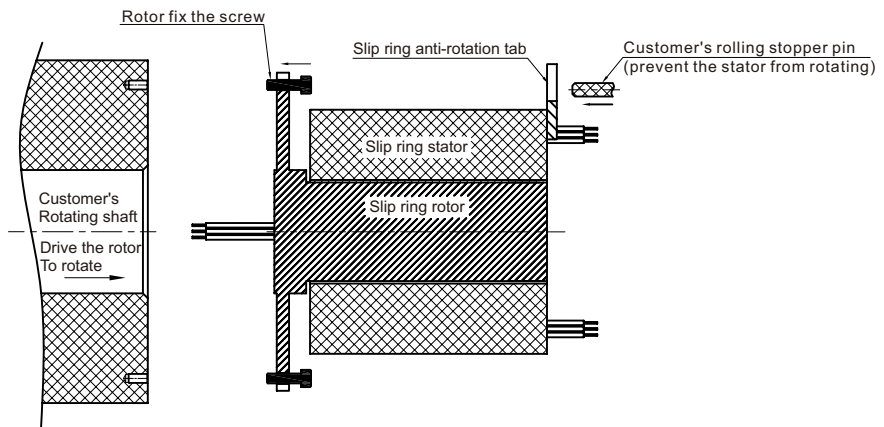
- ① Slip ring just can load own weight,the leads also can't load external pulling force.
- ② It's necessary to protect the lead wires while installing.
- ③ slip ring is a precision electrical components,it should works in a dry,less dust environment. It must add some protection if working in strict condition.
- ④ Ensure the screw is tight.
- ⑤ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑥ Stator and rotor part can be exchange according to the different demands.

Installation For Rotor Flange Slip Ring

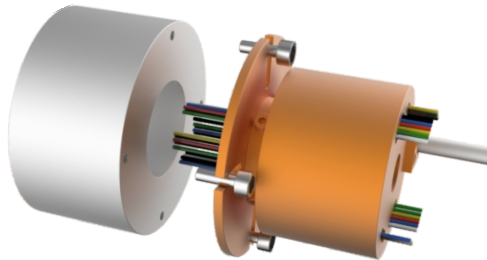
Rotor flange slip ring is the one with flange on rotor, picture as below:



Installation diagram (2D) :



Installation diagram (3D) :



Guide for installation:

Because it's hard to ensure concentricity of rotor and stator before mounting, we suggest fixing the rotor flange of slip ring on the rotor (or spacer flange in rotor) with 4 screws. Please make sure the convex plate of flange and rotor are in center line and make sure the concentricity before tighten the screws. Inserting anti-rotor pole into anti-rotor pin, do not fix anti-rotor pin forcibly, or it would affect life time of slip ring

Notes:

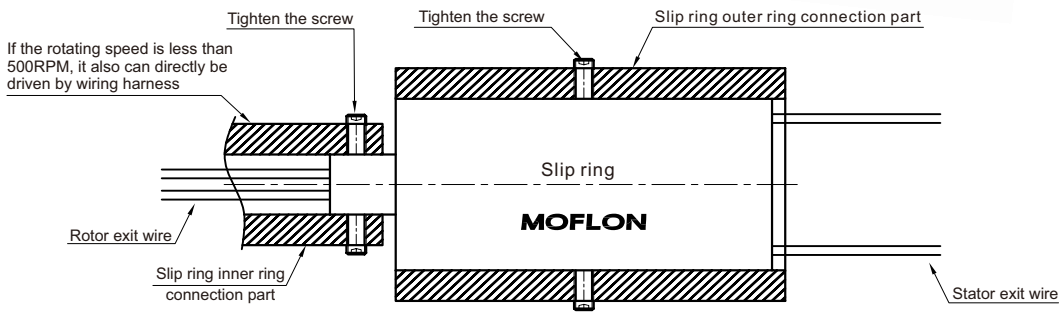
- ① Slip ring just can load own weight, the leads also can't load external pulling force.
- ② It's necessary to protect the lead wires while installing.
- ③ slip ring is a precision electrical components, it should work in a dry, less dust environment. It must add some protection if working in strict condition.
- ④ Ensure the screw is tight.
- ⑤ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑥ Stator and rotor part can be exchange according to the different demands.

Installation For Slip Ring Without Flange

Usually miniature slip ring will use the installation without flange.

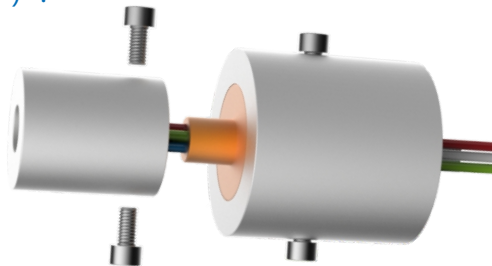


Installation diagram (2D) :



Slip ring without flange connection way
(note: based on the actual situation, rotor and stator can be interchanged)

Installation diagram (3D) :



Installation instruction:

1. Rotor fixation
 - For miniature, compact slip ring, it can rotate with cable, without fixed.
 - For large stator flange slip ring, it can use screws or flat place to fix
2. Flange fixation
 - Fixing flange on stator side, and locking the screws.

Notes:

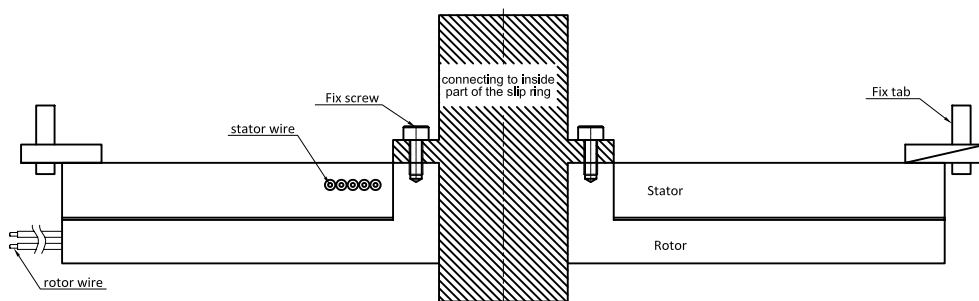
- ① Slip ring just can load own weight, the leads also can't load external pulling force.
- ② It's necessary to protect the lead wires while installing.
- ③ slip ring is a precision electrical component, it should work in a dry, less dust environment. It must add some protection if working in strict condition.
- ④ Ensure the screw is tight.
- ⑤ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑥ Stator and rotor part can be exchanged according to the different demands.

Pancake Slip Ring Installation Instruction

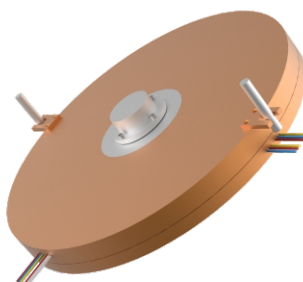
Pancake slip ring is a general terms, which is applied to equipment that has height limitation and can meet the special requirement about the special space.



Installation diagram (2D) :



Installation diagram (3D) :



Installation Instruction:

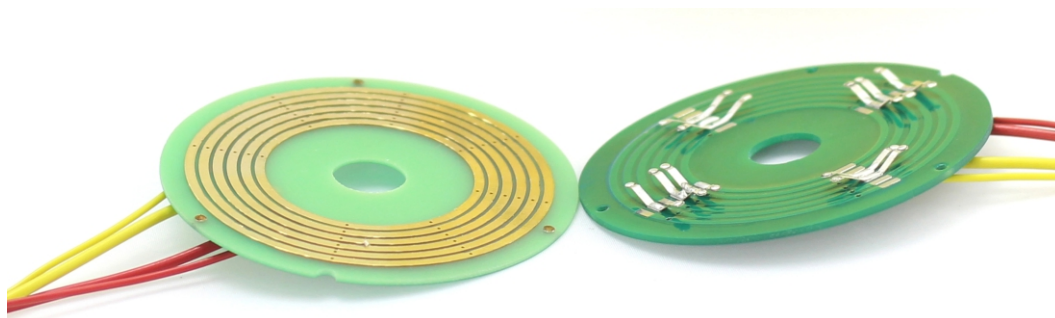
Pancake slip ring has two relative rotating parts, while installing, fix the rotor part first, and then insert the anti-rotating stick into anti-rotating tab, make sure a certain degree of freedom. Don't force to fix the anti-rotating tab, otherwise it may cause slip ring damage or reduce the working life.

Notes:

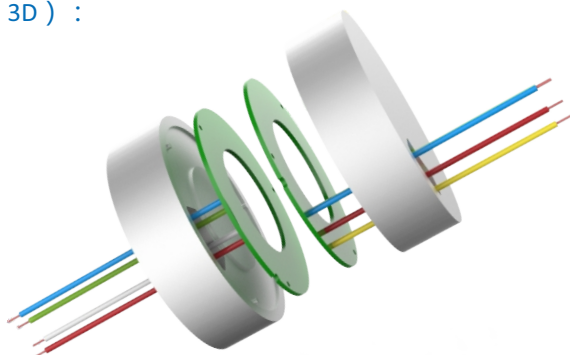
- ① It's necessary to protect the lead wires and pipe while installing.
- ② Slip ring is a precision electrical components, it should work in a dry, less dust environment. It must add some protection if working in strict condition.
- ③ Ensure the screw is tight.
- ④ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑤ Stator and rotor part can be exchanged according to the different demands.

PCB Slip Ring Installation Instruction

PCB slip ring is PCB board as the substrate. The rings are directly fixed on the PCB board and then pressuring them together, with coating, contacting with shrapnel and contacts.



Installation diagram (3D) :



Installation Instruction:

The rotor and stator will be installed separately, while mounting, the relative location should be noted and make sure the contacts and rings have sufficient pressure and concentricity.

Concentricity is ensured by surrounding positioning screws of PCB board; pressure is ensured by the spacing between PCB boards.

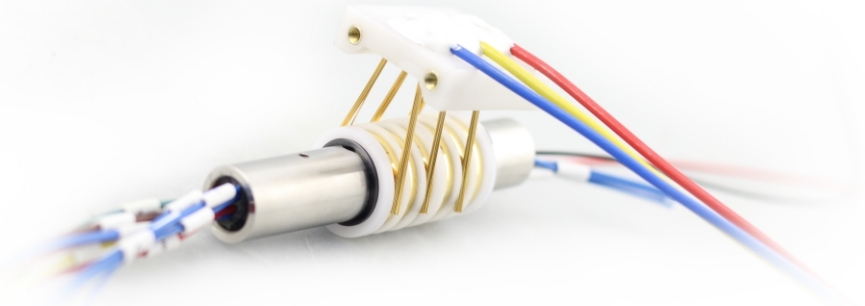
The pressure of the contacts is determined by the spacing of two PCB boards. The distance between upper plate and lower plate is about 5.8mm.

Notes:

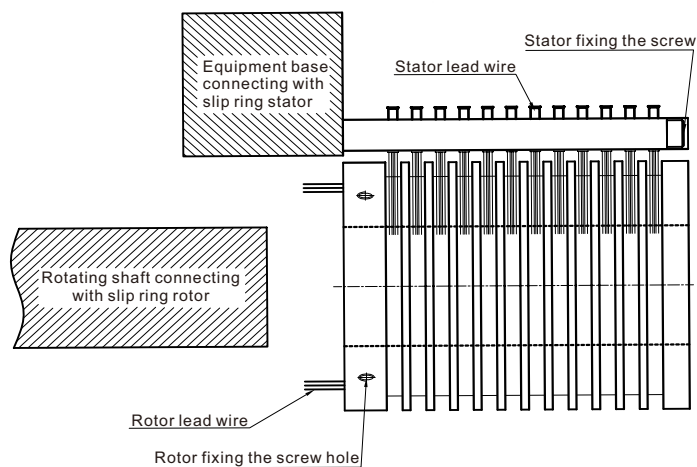
- ① Rotor and stator part installed separately, and make sure the pressure of rings and brushes is suitable, ensure the concentricity and location of rotor and stator.
- ② Protecting the leads to avoid wire insulation damaged and affects the product quality when installing.
- ③ Slip ring is a precision electrical component; it should work in a dry, less dust environment. It must add some protection if working in harsh environment.
- ④ Ensure the screw is tight.
- ⑤ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑥ Stator and rotor part can be exchange according to the demands.

Installation For Separate Slip Ring

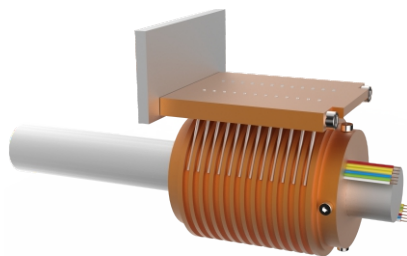
Separate slip ring has a separate rotor and brushes, it can solve the problem of limited installation dimension.



Installation diagram (2D) :



Installation diagram (3D) :



Guide for installation

Be careful about the relative location as the rotor and stator will be installed separately. Make sure contact rings and brushes have enough pressure.

Notes:

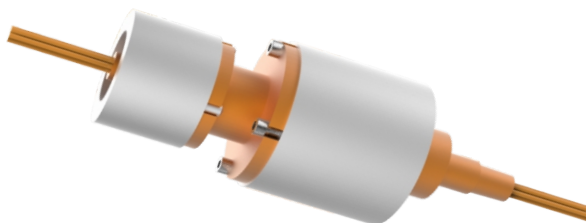
- ① Rotor and stator part installed separately, make sure the pressure of rings and brushes is suitable, ensure the concentricity and location of rotor and stator.
- ② Protecting the leads to avoid wire insulation damaged and affect the product quality when installing.
- ③ Slip ring is a precision electrical components, it should work in a dry, less dust environment. It must add some protection if working in strict condition.
- ④ Ensure the screw is tight.
- ⑤ Stator leads keep away from axis and rotor leads away from fix part to avoid scratching wires.
- ⑥ Stator and rotor part can be exchanged according to the different demands.

Installation for Multi-channel FORJ

Fiber optic rotary joint is also called fiber optic slip ring, photo-electricity collector ring, which adopts fiber optic as the data transmission media. It provides the best technical solution for solving the data transmission between system components of the rotary joint. It is especially good to apply to the application with unlimited, continuous or intermittent rotating, and at the same time, it's suitable for the place where it needs to transmit large volume data and signal from fixed position to rotating position. This fiber optic slip ring plays an important role in improving mechanical property and simplifying system operation and avoiding damage to the fiber optic caused by the joint rotating.



Installation Instruction (3D)



Installation Guide:

Because it's difficult to guarantee the rotor and the stator of fiber optic is concentric, we suggest that first secure the fiber optic slip ring in the stator plate and then insert rotor plate into rotor shifter lever with certain gap. But don't force to fix the rotor shifter lever, or it will cause the slip ring damage or shorten the working life.

Notes:

- ① The body of fiber optic slip ring can't be used for bearing, also the pigtail can't bear the external force.
- ② When mounting the fiber optic slip ring, the pigtail should be well protected. Avoid to affecting product quality because of the damage of protective cover.
- ③ Fiber optic slip ring is precise electric part, which should be used in dry, low dust environment. If working environment is bad, more protection measures should be added.
- ④ Make sure the nuts tight on fixed portion.