

SAPC Series



'SAP' mark(Trademark : 40-2011-0011919) is the original trademark for SUNGIL's A.P. Lock.

Features

1. Aluminum Material

It is important to reduce the moment of inertia for high speed servo motor positioning control. High speed can be achieved by using the suitable aluminum power lock for aluminum pulley to realize low moment of inertia.

2. Optimized for Aluminum Pulley

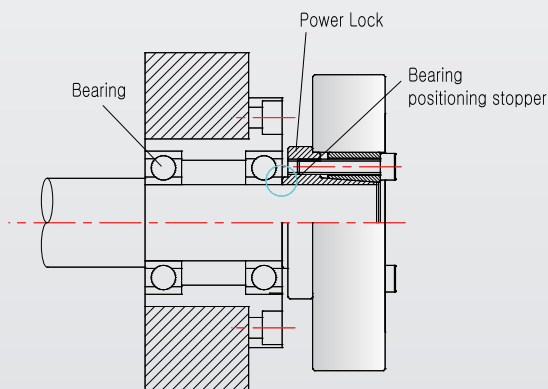
There was slipping problem with servo motor when it was run by timing pulley since conventional connection unit had high surface pressure and the hub diameter was not appropriate, and unfit to shaft diameter. SAPC series lessened the number of bolts based on the standard specification of servo motor torque and reduced the surface pressure on the hub's inner diameter so that it is possible to connect with aluminum pulley.

3. New Structure for Bearing Positioning

An additional component is unnecessary because the product is designed to work as tension plate for bearing positioning stopper

4. Easy to determine the installation position

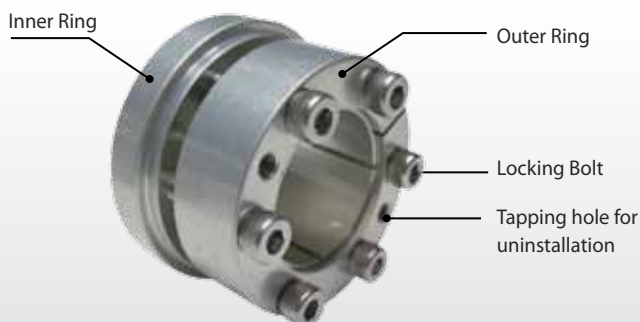
We have been suggested to leave the 1mm space for installation in advance considering the disassembling. However SAPC series does not need additional space for the hub to move when disassembling. Also it is easy to determine the power lock's position.



Registration of the patent: 10-1098255

- ※ Be careful for determining the hub's outer diameter because even if you select a high strength aluminum alloy for pulley, its young's modulus is low.
- ※ Contact us if you are using the combination of aluminum alloy and steel shaft over 80 °C circumstances because high temperature may reduce torque.

Structure & Material



| | Material | Surface Treatment |
|--------------|----------------|----------------------------|
| Inner Ring | Aluminum Alloy | Alumite |
| Outer Ring | Aluminum Alloy | Alumite |
| Locking Bolt | SCM 435 | Electroless Nickel Coating |