

Cross Tapered Roller Bearing Mounting and Maintenance

Before Installation

1. Anti-rust treatment and packaging

The inner and outer ring surface of the cross tapered roller bearing are coated with anti-rust and lubricating oil. Bearings have been filled with grease before leaving the factory, and wrapped in plastic film and plastic braid, then packaged in carton box or plywood case.

2. Transportation

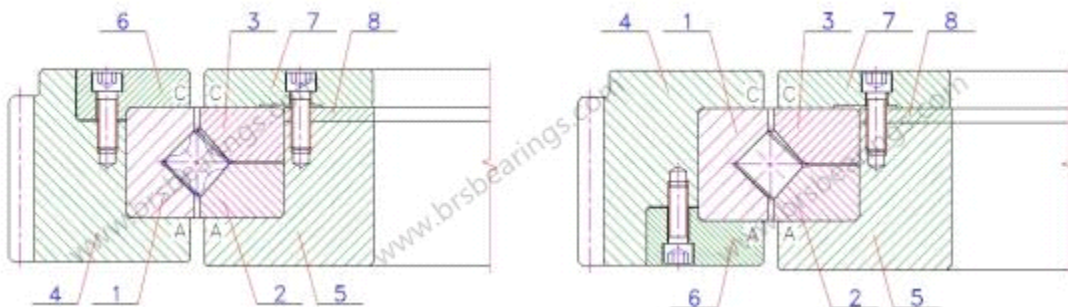
Place the bearing as horizontally as possible during transportation, only slightly tilt and vibrate are allowed, and collisions should be avoided too.

3 Storage

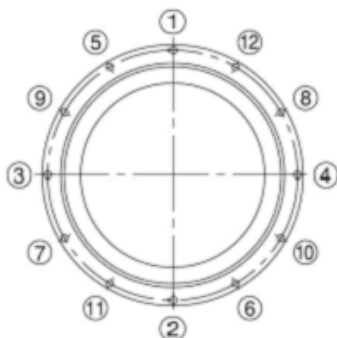
Bearing storage location should be clean and ventilated, free of corrosive gas, and relative humidity should not exceed 65%. If for long-term storage, cross tapered roller bearings should be regularly conducted with rust-proof treatment. Do not open the package during the anti-rust period (6~12 months after the bearing leaves the factory) before use. When maintenance is required, the inner, outer, and end surfaces of the bearing should be treated with rust prevention.

Installation of Crossed Tapered Roller Bearings

1 Inspection of parts before installation. Clean the main shaft, bearing housing, or other installation parts to remove oil and impurities, and confirm whether there are burrs.



2. On the standard platform, install the cross tapered roller bearing onto the shaft or into the bearing housing. Install the 6&7 flanges in sequence as shown in the figure above, lock the screws in diagonally opposite sequence follow the order as shown in below diagram when tightening bolts. Do not tighten bolts randomly. Then use a thickness gauge to check whether the flanges are properly installed.



Installation Precaution

- ◆ The inner ring or outer ring that divided into two parts has been connected with special rivets, bolts, or nuts at the time of delivery. Do not disassemble it when installing it into the system.
- ◆ When installing or removing cross tapered roller bearings, do not apply force to the connecting rivets, bolts or rollers.
- ◆ When installing the fixed flange(mounting plate), the dimensional tolerances of the installed parts should be considered so that the flange can be in close contact with the inner ring and the outer ring. At the same time, the bearing should not be deformed due to excessive compression, which will affect the rotation flexibility and the service life of bearing.

Precautions For Use

- ◆ Foreign contaminants entering the bearing may cause damage to the bearing. So please prevent contaminants such as dust and cutting chips from entering the bearing. If there are dust or sawdust adheres to the bearing, please wash it with clean white kerosene and refill it with grease.
- ◆ Do not let bearings exceed the specified parameters during operation.
- ◆ Try to minimize the risk of impact loads.