

WTR-36 Bearing Fitting Tool Kits



Proper installation is critical for extending bearing life. WTR bearing fitting tools kits are designed to safely, accurately and quickly install bearings, bushings, seal rings, cams, and pulleys. It is equipped with an industrial nylon impact ring to prevent direct metal and metal contact and prevent shaft damage.

The bearing outer ring and the inner ring end face should lie on the same plane when we install the bearings. The assembly can be transmitted to the interference fit parts through the percussion ring, thus we could avoid the installation conforming to the passing roller. The components pass to cause raceway damage.

Proper installation allows the load to be transferred to the interference-fitting components rather than the rolling element to transfer the load, thereby avoiding raceway damage.

Bearing Fitting Tool Kits Opeation Reminder:

- When operate the tool kits, please wear the safety shoes, protective glasses, gloves and safety helmets.
- Don't use the tool kits to install when the parts is with more than 80°C.
- Don't install the inner ring and outer of the tapered roller bearings at the same time, also don't install the inner ring from the smaller face.

The bearing tool kits is suitable for small size bearings (Bore size: 10mm-55mm)

1. When the inner ring of the bearing is tightly fitted with the shaft, the bearing outer ring and the hole are loosely fitted.

Installation Steps:

- 1) Clean the surface of the mounting shaft and apply thin oil.
- 2) Put the bearing on the shaft so that the chamfer on the end face of the inner ring of the bearing is in contact with the shaft as far as possible. Select the appropriate impact pad and sleeve set. Uniform contact with the end face of the bearing so that the sleeve axis is parallel to the shaft.
- 3) Gently tap the sleeve with no recoil hammer to slowly move the bearing until the other end of the inner ring is in close contact with the shaft shoulder.
- 4) Insert the mounted bearing and shaft into the hole.

2. When the outer ring of the bearing and the hole are tightly fitted, the bearing inner ring and the shaft are loosely fitted.

Installation Steps:

- 1) Wash the surface of the mounting hole and apply thin oil.
- 2) Put the shaft flat on the hole so that the chamfer on the end face of the outer ring of

the bearing is in contact with the hole as evenly as possible. Select the appropriate impact pad and sleeve set to make the end face evenly contact with the end face of the bearing outer ring so that the sleeve axis line Parallel to the hole centerline.

3) Tap gently with no recoil hammer to slowly move the bearing until the other end of the outer ring is in close contact with the bottom of the hole.

4) Insert the shaft into the bore of the bearing. When press-fitting, the method described above is generally used.

3. When the bearing is tight fit with both shaft and hole.

Installation Steps:

1) Clean the mounting shaft, hole surface and apply oil.

2) Place the bearing flat on the hole and the shaft so that the bearing inner ring end face chamfers, the outer ring end face chamfers are in uniform contact with the shaft and hole, and the inner and outer end faces of the sleeve gasket group are evenly contacted with the inner and outer ring end faces. Make the sleeve axis line parallel to the axis and hole centerline.

3) Tap gently with no recoil hammer to slowly move the bearing until the other end face of the inner ring and the outer ring are in close contact with the shaft shoulder and bottom of the hole, respectively.