

Handling and Storage of Bearings

The key point in handling a bearing is to keep the bearing clean. Penetration of dirt or other contaminants is a major cause of early failure. Observe the following precautions:

1. Mount bearing using clean tools in clean work places.
2. Use tools made of wood or light metal to install the bearing. Avoid a tool which will result in chipping of surfaces.
3. Open the bearing packaging just prior to use.
4. Clean hands before handling the bearing.
5. Most bearings may be mounted without removing the preventive grease from the bearing.
6. Do not bump or drop bearings. If the geometric precision is damaged, unsatisfactory operation will result.

Bearing Mounting

Prevent 16% of premature bearing failure

Around 16% of all premature bearing failures are caused by poor fitting, usually using brute force, and being unaware of the availability of the correct mounting tools and methods. Individual installations may require mechanical, heat or hydraulic application methods for correct and efficient mounting. Professional fitting, using specialised tools and techniques, is another positive step towards achieving maximum machine uptime.

Bearing Dismounting

Reduce the risk of personal injury and bearing & shaft damage

Dismounting bearings can be hazardous and demanding task. Selecting the correct tool is therefore of utmost importance for reducing the risk of personal injuries.

One reason for dismounting an "old" bearing is to replace it by a new one. When dismounting such a bearing, care must be taken not to damage the shaft while dismounting, which can result in compromising the machine's efficiency.

Another reason for dismantling bearings is for maintenance or replacement of other machine's components. These dismantled bearings are mounted again, unless they are damaged during dismantling. To enable the reuse of the same bearing, care must be taken when selecting dismantling methods and tools.

Individual applications may require mechanical, heat or hydraulic dismantling methods for safe, correct and efficient dismantling. Professional dismantling, using specialised tools and techniques, is another positive step towards achieving maximum machine uptime.

Storage of Bearings

- a) Avoid storing bearings in places with high humidity.
- b) Store bearings in a cool place.
- c) If bearings come packed in a wooden box, take them out of the wooden box immediately, and store them on a shelf.
- d) Do not take bearings out of the cardboard boxes or protective wrappings.
- e) Do not stack bearings because the protective anti-rust compound may be squeezed out of bottom bearings.

