Bearing Preparation With Fluorinated Lubricants

Bearing Preparation Procedures

Avoidance of contaminants is essential for optimum performance & durability of your IKV fluorinated lubricants.

The cleaning and preparation area should be clean & free from dust and potential contaminants.

In order to ensure optimum adhesion of the grease to the bearing surfaces, preparation of the substrate is required to include cleaning/ removal of other non fluorinated oils and corrosion protective coatings and protection of the bearings surfaces with a compatible fluorinated anti-corrosion reinforced coating.

- **Wear gloves and eye protection and do not eat or smoke whilst using.**
- The bearing surface must be clean of all trace impurities including protective waxes, greases, oils, cutting fluids, finger prints and protective films.
- Removal of mineral oil, preservative fluids or other non-PFPE based greases are best performed using an aliphatic hydrocarbon solvent (white spirit). A bath may be used to clean components as long as they are rinsed with clean solvent before the next stage.
- After cleaning, ensure that the bearings are completely dried and all traces are removed from the bearing surfaces and housings. Use clean, lint free material if surface wiping/ drying is required.
- If bearing is being stored you may wish to apply a corrosion protection coating. This is also important where part of the bearing is not going to be greased and where corrosion protection is still required.
- Apply ***IKV FLUOR & ZAROX*** lubricant using a dedicated cartridge gun, spatula or syringe—taking care not to contaminate the surfaces with bare fingers. The operational environment of the bearing must be taken in to consideration before greasing the bearings i.e. speed, load, size & bearing type. Please contact us for advice if you are unsure.
- Fluorinated lubricants are chemically resistant to non-fluorinated solvents.
- Chlorinated solvents must be avoided as they can cause bearing corrosion.

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