



MADE BY GERMANY TECH

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01 Solutions For Concrete Mixers

Concrete mixer gearboxes transmit the rotational movement from a hydraulic motor to the drum



The main bearing that support the load transmitted from the drum has a crucial role in reliability

Due to the applied load the main bearings that supports the application needs to be able to absorb heavy axial and radial loads and hence UST engineers have designed a robust solution with special material to ensure long life

UST engineers have designed a robust bearing for concrete mixers with a special material to absorb heavy axial and radial loads

Based on the application to accommodate higher value of misalignment the width of the outer ring has been increased

Apart from this, our engineers have designed asymmetrical rollers for higher thrust loading

In additional to the design aspects UST is using high cleanliness steel and Bainitic heat treatment to ensure high strength and better shock load resistance

For more details on the entire range of bearings for concrete mixer and stock email us ont INFO@USTbearings.com

02 MAINTENANCE TIPS: Concrete mixers

Concrete mixer maintenance involves

1. Check and clean the concrete mixer
2. Check the link status between the mixing arm and leaves
3. Check reducer
4. Check running condition of the concrete plant
5. Lubricate the two ends of main shaft bearing and the discharging door

The technical staff should follow the following checklist

- Concrete and other dirt adhering inside and outside the concrete mixer should be cleaned after each shift working and then wash with salt water
- Weekly check the concrete bonding status inside concrete plant and the cement adhesion condition on the spray pipe
- Check connecting screws and ensure no loosening and serious wear, to avoid accidents

- Check temperature rise of the drive motor after each shift working. If the motor overheats, find the reason in case of malfunction

When the concrete mixer works, it should be smooth without abnormal sound; the discharging door should open or close easily with a tight seal showing no leakage

- Lubricating the machine after each shift working

