



Knowledge of bearings guarantees good maintenance.

LETS RECAP

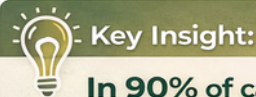
- Rolling elements define the bearing type
- **Using the wrong bearing can cause catastrophic failure**
- Suffix codes are critical for correct application
- Changing brands is a technical decision, not a cost decision
- 99.9% of bearings are designed for radial loads
- Unwanted thrust loads are a major cause of failure

WHY BEARING FAILURES MATTER:

- Bearings are found wherever equipment moves
- Failure leads to equipment downtime
- Up to 70% of unplanned breakdowns are caused by bearing failure

MAIN CAUSES EXPLAINED:

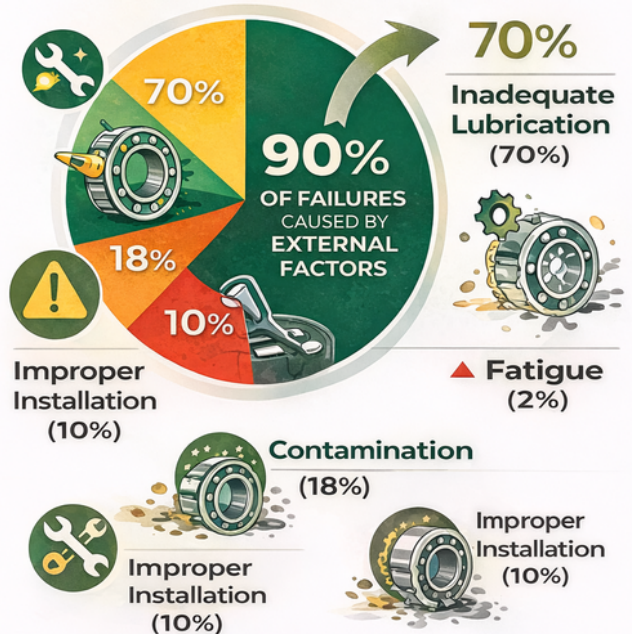
- Incorrect or insufficient lubrication reduces bearing life
- Incorrect fitting leads to rapid wear
- Natural wear due to load cycles
- Caused by poor sealing or seal failure
- Often caused by lack of knowledge or poor access



Key Insight:

In 90% of cases, bearing failure is caused by external factors – not the bearing itself

MAIN CAUSES OF BEARING FAILURE



BEARING KNOWLEDGE - POWERED BY LPR GROUP



The 5 R's of Lubrication:

- Right product
- Right volume
- Right frequency
- Right place
- Right attitude

FINAL LEARNING POINTS

Bearings are critical to **all rotating equipment**