



MADE BY GERMANY TECH

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## 01 E Type Spherical Roller Bearings

UST Engineering has successfully developed the “Extra” capacity design of spherical roller bearings similar to European manufacturers

This design has now surpassed the standard load rating capacity resulting in better life

As a result, the improved price / performance ratio of the E design results in overall reduced TCO (Total Cost of Ownership) for customers

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Advantage  
Highperformance •  
Loweroperatingcost •  
LowerTCO ( Total cost of ownership)

Range  
• 20mm bore till 550 mm



For technical information, drawings or stock availability please send email on [INFO@USTBEARINGS.COM](mailto:INFO@USTBEARINGS.COM)

## 02 MAINTENANCE TIPS: Checklist to detect gearbox overheating

- Visually inspect the gearbox exterior for signs of overheating.
- Record temperatures from gearbox thermometers, thermocouples or resistance temperature detectors (RTDs).
- Measure oil sump temperature.
- For pressure-fed systems with an oil cooler, measure temperature at the gearbox oil inlet and outlet, as well as the cooler water inlet and outlet

Estimategearbox housing and shaft temperatures using water spray

Surveythe gearbox housing temperature by touching it with the palm of your hand and using temperature-sensitive paint, crayons and labels or a digital thermometer probe

Checkthe gearbox housing temperature using an infrared thermometer or infrared imaging camera

Analyzegearbox oil for signs of oxidation or thermal degradation using on-site and laboratory tests

Analyzegearbox oil using particle counters, spectrometric analysis and ferrography to detect wear debris

Inspectinternal gearbox components through inspection ports for signs of overheating, misalignment, inadequate backlash, inadequate bearing endplay or oil oxidation

Measuregearbox sound and vibration and compare to allowable limits

