



# BEARING SOLUTIONS FOR POWER PLANT- COAL PULVERIZER

NBC has exclusive range of bearings for different parts of Coal Pulverizer. Bearings are designed based on specific application and are developed with special heat treatment process, material and internal design for different applications.

With over 70 years of experience, we support our customer's right from development to commissioning and after sales service which include condition monitoring, application engineering support, bearing refurbishment and bearing analysis.

## Major Challenges

- High radial & axial loads
- Excessive vibration
- Abrupt shock loads
- High operating temperature
- Coal dust environment
- Effective lubrication in slow speed

## Bearings Requirements

- Robust design for vibration, shocks and impact load
- Higher load rating and operating life
- Customize axial clearance
- Resistance to harsh conditions
- Enhance cage strength
- Improved surface finish for lower operating temperature

## Features and Benefits

- Ready to assemble **Pre-set bearings** with controlled tolerances & BEP
- Bearings with **high load** carrying capability to enhance fatigue life
- **Case carburized** bearings for better performance under shock loads and misalignment
- **Robotic welding of Cage** increases strength and protects retainer plate against vibration

and rollers to withstand abrasion failure

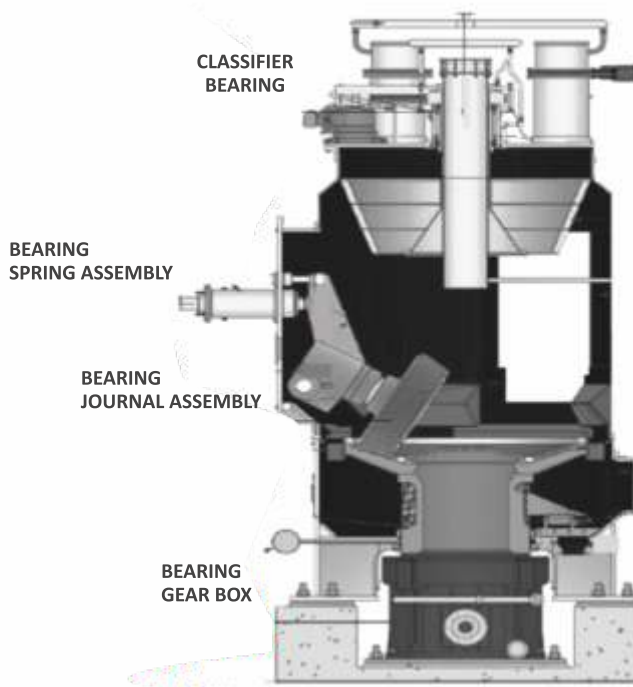
treatment process to withstand high operating



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## Bearing Applications:



- JOURNAL ASSEMBLY
- MILL GEAR BOX
- SPRING ASSEMBLY
- PA FAN
- DYNAMIC CLASSIFIER
- MILL ELECTRIC MOTOR



Spherical Roller Bearing



Cylindrical Roller Bearing



Taper Roller Bearing



Double Row Taper Roller Bearing