



Bainitic Heat Treatment

With an increase in demands for large diameter bearings capable of working in contaminated environment and with higher capacity, NBC has developed a special type of heat treatment which increases toughness capacity as well as service life of bearings. This heat treatment is called Bainitic Heat Treatment.

**INDUSTRIAL
APPLICATIONS**

Features

- ✓ This special heat treatment changes the final micro-structure to Bainite + Martensite
- ✓ Higher resistance to crack propagation
- ✓ Improves impact toughness as well as rolling contact fatigue properties

Benefits

- ✓ Higher capacity of bearing within the given size (Improved impact toughness)
- ✓ Improved performance in contaminated environment
- ✓ Higher operational reliability
- ✓ Extended service life of bearing

Application

- ✓ Industrial applications
- ✓ Power plants
- ✓ Cement mills
- ✓ Railway bearings

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