



# 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

Follow us on:



## National Engineering Industries Ltd.

Khatipura Road, Jaipur, Rajasthan, INDIA - 302006

Ph.: +91 141 2223221 | Fax: 91 141 2222259

Toll Free: 180030006222 | Email: neisales@nbcbearings.in

© NEI 12.2020

