



# OptiMile Bearings

Today's automotive industry requires bearings that have higher capacity, compact in size and extended service life. In addition to design parameters, the service life of rolling element bearings can be greatly influenced by heat treatment processes, thereby improving the grain structure of the steel at surface and core.

## Features

- ✓ A special heat treatment is given to bearings to effectively alter the microstructure
- ✓ It improves the yield strength and rolling contact fatigue properties
- ✓ It leverages the combined advantage of having modified surface and core microstructure

## Benefits

- ✓ Higher capacity of bearing within given size (Improved yield strength)
- ✓ Improved resistance to contamination
- ✓ Greatly extended bearing's life in a contaminated environment
- ✓ Downsizing possible, higher power density

## Application

- ✓ Automotive differential & pinion support bearings
- ✓ Automotive transmission bearings

Follow us on:



**National Engineering Industries Ltd.**

Khatipura Road, Jaipur, Rajasthan, INDIA - 302006

Ph.: +91 141 2223221 | Fax: 91 141 222259

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

© NEI 12.2020

LCH, HCV

