

# TMB Bearings: Lighter Weight and Longer Life



The automotive, agricultural, construction and electrical equipment industries demand greater compactness with less weight and reduced costs from ball bearings while extending bearing life. With improved performance of the machines in these industries, additional demands on bearings have resulted in their use at higher loads and speeds. All this must be accomplished without changing the configuration of the related parts. NTN addresses these challenges by manufacturing the Thermal Mechanical Ball Bearing (TMB).

The TMB ball bearing successfully proves an increase in performance while reducing costs in many applications, including transmissions, two-cycle engines, gear boxes, electric motors, alternators and lift trucks.

## FEATURES & BENEFITS

### heat treatment

optimum heat treatment for improved crack sensitivity

### chromium steel

made with clean vacuum degassed high carbon chromium steel

### contamination

especially beneficial under contaminated lubrication

### power density

allows for a more compact design

### many sizes

offered in small and medium sized ball bearings

**NTN**

