



# Hybrid Bearings

NEI has developed Hybrid Bearing as another solution to the challenging EV application. Light weight and inertness of the advanced ceramic material reduces centrifugal forces and prevents the current leakage of demanding high-speed application.

## Features

- ✓ High ball hardness
- ✓ Current insulation property
- ✓ Capable to run in a thin lubrication condition
- ✓ Low coefficient of friction at contact

## Benefits

- ✓ High speed stability
- ✓ Light weight (Reduction per ball is 58.5%)
- ✓ Reduction in frictional torque (approx. 50%)
- ✓ Self-repairing property hence higher service life in contamination condition

## Application

- ✓ High speed electric motors & transmission
- ✓ Insulated bearings for induction motors

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