



High Speed EMB Series Bearings

EMB Series stands for Electric Motor Bearings. These bearings are used for high speed application. Typical expectations are light weight, low friction, high transient ramp capability, high RPM and low noise. In a typical electric vehicle, an extra 1% of mileage can be gained by using a set of optimized bearings and seals on the electric traction motor and gearbox compared to conventional alternatives.

4-WHEELERS

Features

- ✓ Light weight cage design
- ✓ Optimised internal design
- ✓ Grease with current conductive properties
- ✓ Noise suppression properties of grease

Benefits

- ✓ High Speed Stability
- ✓ Fulfill the low noise requirements
- ✓ Energy efficient bearings
- ✓ Solutions for current leakage issues

Application

- ✓ High speed electric motors & transmission
- ✓ Planetary gearboxes
- ✓ Insulated and conductive bearings for induction motors

Follow us on:

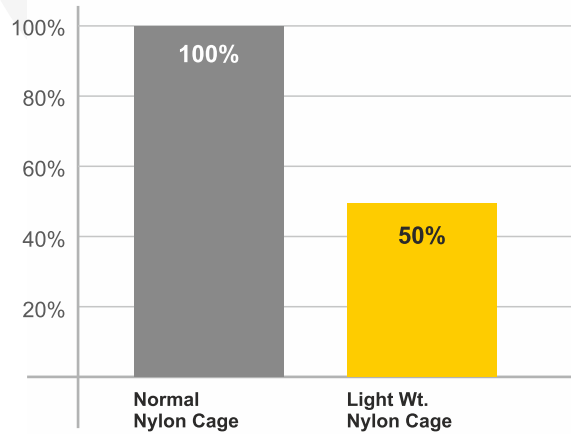


www.nbcbearings.com



Specifications

- ✓ Reduced friction
- ✓ Suits for low NVH
- ✓ Up to 50% light weight polyamide cage
- ✓ Special grease for high speed suitability



Cage Deflection at 20000 rpm reduced by 50% of conventional cage

Technical Data

Balls	Cage	Lubrication	Seals
<p>Premium Quality Steel Balls</p>	<p>Specially Designed Features</p> <ul style="list-style-type: none"> ✓ Light weight ✓ High speed ✓ Low friction ✓ Polyamide material 	<p>Special Grease with Features</p> <ul style="list-style-type: none"> ✓ Quiet running at high speed ✓ Longer operating time ✓ Wide temperature range 	<p>Special light contact & labyrinth non-contact improves protection, allows higher rotational speed while maintaining low friction performance.</p>