

Ball Bearings - Low-Torque BB for Hybrid vehicles

The demand for Hybrid Vehicles has been rising rapidly thanks to the low fuel consumption and low emissions realised through a more efficient integration of the engine and electric motor. There is a growing need to reduce torque loss in the bearings used in the transmissions of the new generation hybrid cars. NSK new Low-Torque Ball Bearings for Hybrid Vehicle Transmissions enable a 50-65% improvement in frictional loss compared to conventional bearings, contributing therefore to improved fuel efficiency and lower emissions. This innovative product is featured in the new Toyota Prius.

Product Features

- Number of balls dramatically reduced
- Optimization of ball diameter, race dimensions and clearances using special analysis technology
- Specially shaped cages made in resin

Benefits

- Torque reduction of 50-65% compared to conventional bearings
- Lubrication oils agitated through the introduction of the specially shaped cages, leading to significant improvement in frictional loss

Condition Description

- Low Friction

Industries

- Automotive



B110-27 T85R

Description

B110-27	Bearing Type
T85R	Cage Type