



Wheel Bearing (Gen2) For **Electric Vehicle**

Every vehicle is equipped with wheel bearings, which play a crucial role in supporting the weight of the vehicle, facilitating smooth rotation of the wheels, and ensuring proper alignment and suspension performance.

Features

- ✓ Double row angular contact ball bearing with compact unit & additional mounting flange
- ✓ Optimized bearing clearance as per tightening torque of nut / axle shaft screw
- ✓ Rotating outer ring
- ✓ Innovative additional seals both side

Benefits

- ✓ Higher operational reliability
- ✓ Operate under open environment and resist mud, dust, water etc.
- ✓ Simplified assembly
- ✓ Pre-Greased and maintenance free
- ✓ High-strength wheel stud to prevent wheel detachment

Application

- ✓ 3 wheeler cargo and passenger EV front wheel application

Wheel Bearings



Specifications

- ✓ Axle weight 300Kg to 500Kg with bolt PCD of 100mm or as per requirement
- ✓ Suitable for 10" and 12" tyre size
- ✓ Customized to both disk and drum brakes arrangement
- ✓ Designed for vehicle life

Technical Data

- ✓ Designed and validated bearing stiffness to provide system rigidity
- ✓ Validated internal design to have balance between contact stress and rolling friction
- ✓ Flange design validation against overload conditions
- ✓ Validation in real environment conditions of dust, muddy water etc for usage in all weather conditions and geography.

