

WHEEL BEARING KITS

WHAT ARE WHEEL BEARINGS?

Wheel bearings are components that allow wheels to rotate freely around the axle, reducing friction and wear.

MAIN FUNCTIONS OF WHEEL BEARINGS

Friction Reduction: By allowing moving parts to slide over each other, bearings minimise friction, reducing wear and increasing efficiency.

Load Support: Bearings support the radial and axial loads acting on a vehicle's wheels, maintaining vehicle stability.

Facilitating Movement: With the help of bearings, wheels can rotate freely, allowing for a smoother ride.



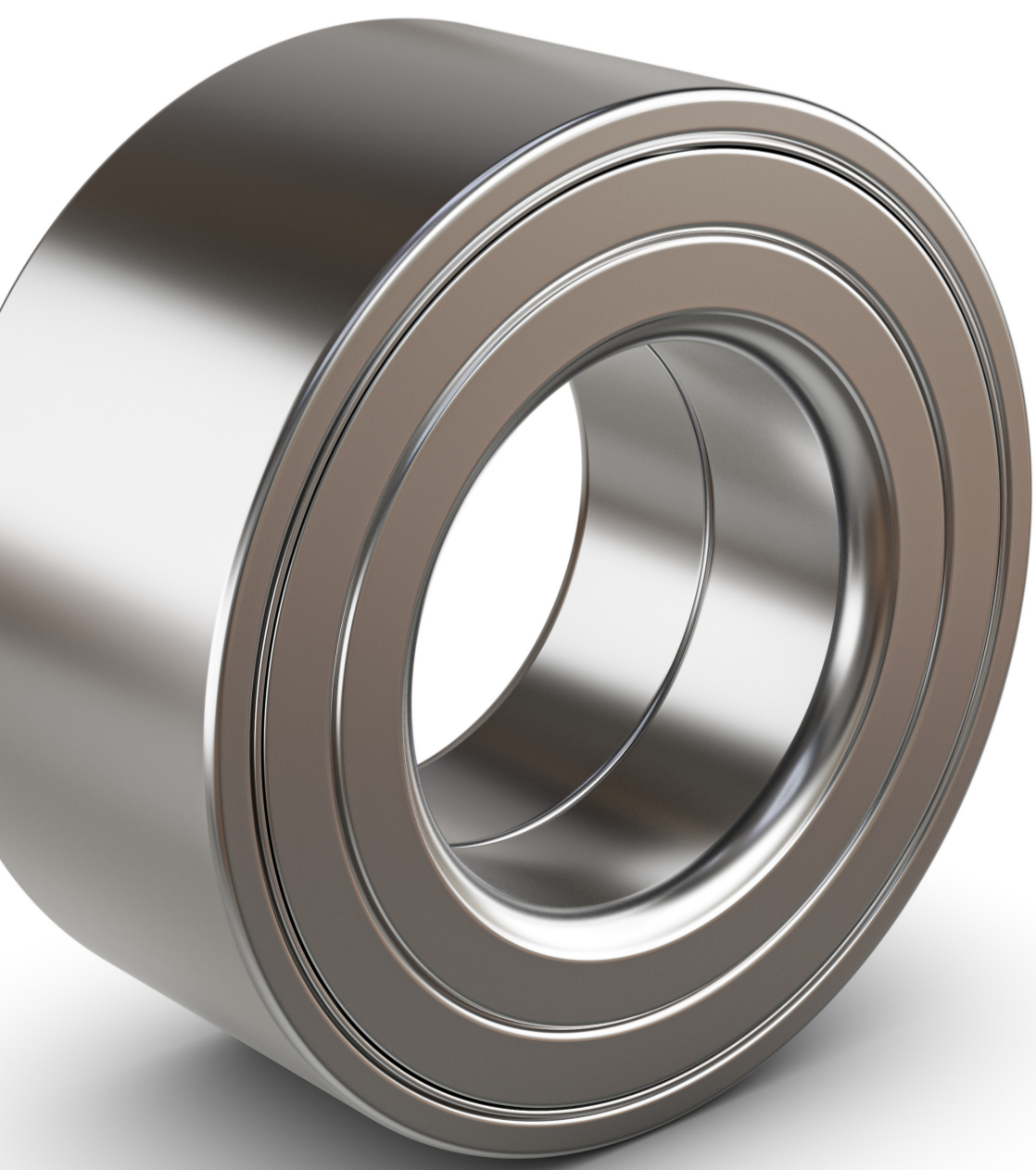
SPECIFICATIONS

The specifications of a wheel bearing vary according to the type of vehicle, the weight it must support, and the operating conditions. Some of the main specifications include:

Bearing Type: There are various types of bearings such as ball bearings, tapered roller bearings, and needle bearings. Each type has specific characteristics and applications which ensure optimised performance. Choosing the right bearing type increases component durability and reduces the need for frequent replacement.

Dimensions: The inner diameter, outer diameter and width of the bearing are fundamental to ensure a perfect fit in the wheel hub, avoiding clearances and misalignments that can cause vibration and premature wear.

Material: Bearings are made from high-strength steel, providing greater resistance to wear and corrosion, increasing its lifespan. High-quality material also allows the bearing to withstand higher loads without warping.



CONTACT

01302 727 312
info@nakata.uk

CONNECT

[in](#) [ig](#) [fb](#) /nakatauk
nakata.uk

NAKATA[®]
COUNT ON US

Heat Treatment: Heat treating results in a material that is more resistant to wear and abrasion due to surface hardness, making it more resistant to fatigue. This contributes to the dimensional stability of the bearing, reducing the possibility of warping during use, and extending the lifespan of the bearing.

Adequate Load Capacity: An adequate load capacity ensures that the bearing can support the vehicle's weight and the forces acting upon it, avoiding overloads and failures.

Maximum Speed: The appropriate maximum speed ensures that the bearing can operate efficiently and safely under the vehicle's operating conditions.

Lubrication: Most wheel bearings are pre-lubricated with special grease which ensures smooth operation and prolongs component life. This grease also reduces friction between the moving parts of the bearing, providing smoother and quieter operation. Proper lubrication also protects the bearing from wear, increasing its lifespan.



BENEFITS

A high-quality wheel bearing kit offers the following benefits:

Longer Durability: High-quality materials and heat treatment ensure a longer lifespan.

Better Performance: The right bearing type and precise dimensions optimise vehicle performance.

Greater Safety: Bearings with an adequate load capacity and resistance to high loads ensures greater safety.

Less Maintenance: Proper lubrication and the use of high-quality materials reduce the need for frequent replacements.

Comfort: Smooth and quiet operation provides greater driving comfort.

By investing in a high-quality wheel bearing kit, will ensure the safety and proper functioning of the vehicle for a longer period.

CONTACT

01302 727 312
info@nakata.uk

CONNECT

[in](#) [ig](#) [fb](#) /nakatauk
nakata.uk

NAKATA®
COUNT ON US