

Bearings FAQ

Here is our bearings FAQ page hopefully get a better understanding of which bearing you need however, if you have any other queries at all or need help in selecting the best bearing for your particular application, please do not hesitate to contact us.

Bearings have always been our core product and our team of technical experts have over 200 years of experience between them.

What is Metric Bearing?

Metric bearings are measured using metric units Millimetres (mm), Centimetres (cm), Meters (m).

What size Ball Bearings I need?

It is sometimes necessary to measure bearings to determine the correct bearing type.

You can measure the dimensions of a bearing by using a vernier calliper or measuring accurately with a ruler.

All bearings will have a width, an inner diameter and an outside diameter.

What is a Double Row Bearing?

Double row bearings have two rows of balls back-to-back.

This allows radial and axial loads and are usually used in higher load carrying applications.

Advantages of a Double Row Bearing?

- Carry heavier loads than single row
- Take up less axial space than two single row bearings
- Accommodate for tilting movements

What is an Angular Contact Bearing?

An angular contact bearing also known as “spindle bearings” are used in machinery that need high accuracy and durability.

Angular contact bearings work at a higher speed rate than radial bearings this is a result of the constant contact of the ball to both rings.

They can carry both radial and axial loads.

The Contact angle is measured by two intersecting lines, one that’s formed at the point of contact between the ball and the ring and the other that’s formed from the axis of rotation to the bearing.

When are Double Row Ball Bearings used?

One double row angular contact ball bearing takes up less space than two single row angular contact bearings.

In applications where axial space is limited, this is an important consideration.

Where are Deep Groove Ball Bearings used?

Most Deep groove ball bearings are typically used in a wide of industrial machines.

This includes gearboxes, motors, pumps, internal combustion engines, agricultural machinery, construction equipment and engineering machinery.

Deep groove bearings also have house hold applications such as air conditioners, floor polishers, dishwashers, washing machines, dryers, hoovers and many more.

Are Deep Groove Bearings a better alternative?

Alternative deep groove ball is a better alternative to angular contact bearings as they can take on axial loads in both directions and don't need to be purchased in sets.

What is an Imperial Bearing?

Imperial bearings are measured by imperial unit Inches and Feet.

What is a Self-Aligning Ball Bearing?

A self-aligning ball bearing are double row configured bearings that cannot be separated.

Both of the rows of ball can be rotated within the outer race. This gives them the ability to compensate for alignment errors between a housing and shaft that can be caused by machining and mounting.