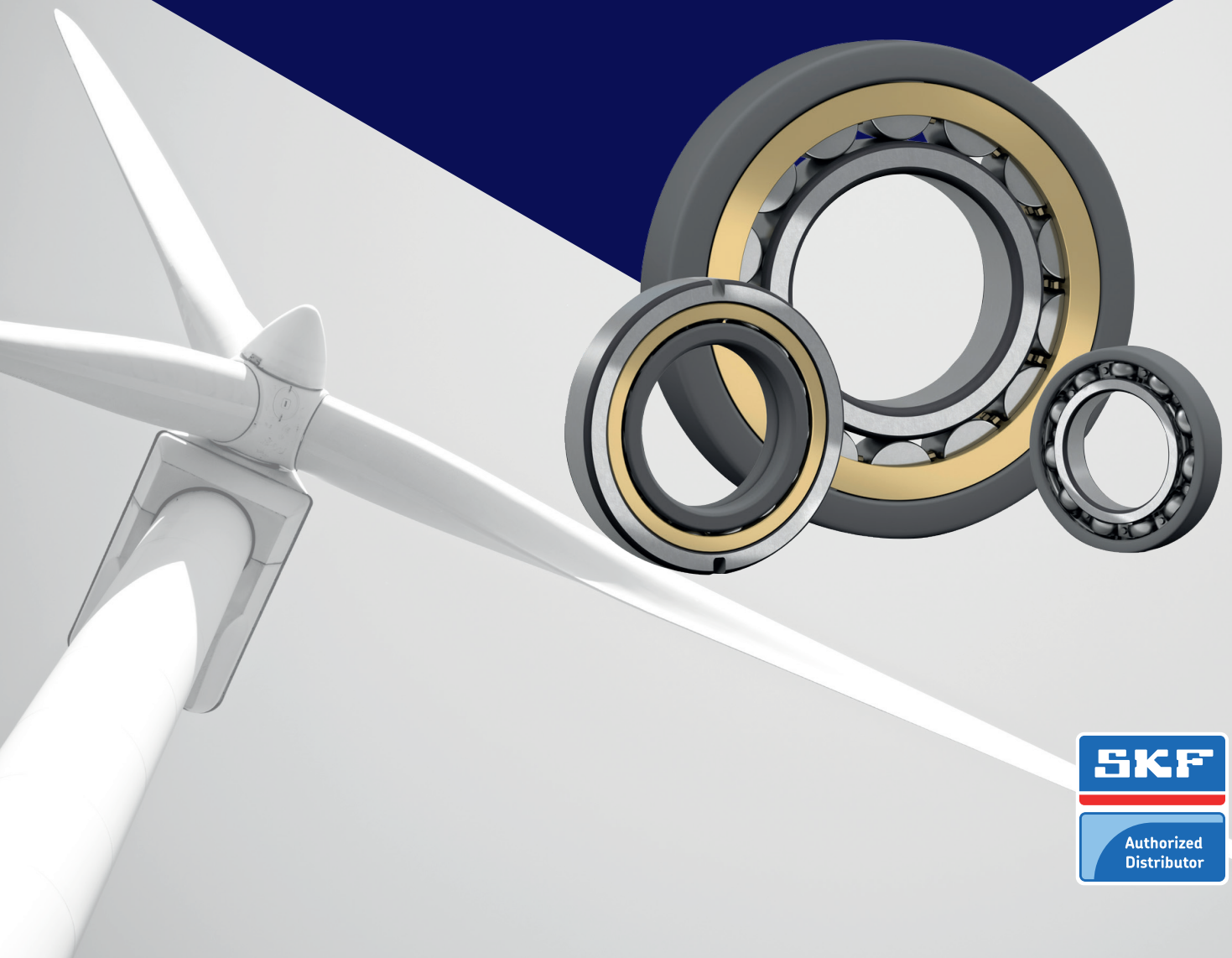


SKF Bearing
Solutions for...

Brammer
Buck &
Hickman

ARUBIX
Company

Wind Energy



Why Choose SKF?

Brammer Buck & Hickman, a Rubix Company, has been supplying SKF bearings for decades and has an in-depth understanding of SKF's extensive product range. In fact, we are SKF's largest Authorised Distributor across Europe and have access to SKF's latest innovations.

Extensive Product Range

At Brammer Buck & Hickman, we have the widest range of SKF bearings stock in Europe. We know that time is money, and getting the bearing you need without delay is crucial to your operation.

Product Availability

As SKF's largest Authorised Distributor across Europe, we have an excellent relationship with the company and exceptional access to stock. But to ensure our customers' needs are met, we have made a massive investment in SKF stock, creating the fastest and most reliable supply chain in the industry. Our warehouses and branches now benefit from the widest range of SKF stock ever held, meaning our customers have even more choice and no delay, with same day delivery on stocked items.

Innovation at the Core

Integral to SKF's success has been its focus on delivering quality product and looking to the future with continual R&D and innovation.

To ensure we stay up to date with the very latest product developments and solutions, Brammer Buck & Hickman is an authorised member of the online SKF Distributor College, which our sales and engineering teams use to ensure they are in a position to provide you with the latest technical advice and product information. We also have a number of technical specialists on hand, whose in-depth technical knowledge is invaluable, be it in helping to identify potential cost and efficiency savings for customers or in finding solutions to specific customer challenges.



There are three key aspects you can trust SKF to deliver across its entire product range: **quality, reliability and innovation.**

All SKF bearings are designed and manufactured to the very highest quality, with considerable investment in R&D to meet the challenges faced by industry. When you buy an SKF bearing you can be assured of its optimal performance and long life far in excess of inferior, lower cost alternatives. With subsequent reduced maintenance and downtime due to unplanned failure, SKF bearings represent a highly cost-effective choice.

Understanding Your Business

Wind turbine operators face a unique set of challenges:

We understand how important issues like availability, durability, health and safety and energy conservation affect businesses involved in construction and aggregates. We also understand how they impact you:



Demanding loads and harsh environments can limit bearings' performance and reliability. A wind turbine's main shaft arrangement must withstand axial and radial loads, which continually vary. The environment in which they operate – offshore exposed to corrosive seawater, in cold climates or remote locations – puts added strain on to equipment.



High cost of repairs and long lead times for replacement parts, which are often not widely available due to their size and unique nature, can make energy generation uncompetitive. The technical difficulty of replacing bearings in turbines means that reliability and bearing longevity are vital.



Sustainability is at the heart of wind energy, so making every part of the process as sustainable as possible is important.



When you combine these factors with the demand being placed on the industry to reduce costs whilst improving performance, it's understandable that equipment reliability and longevity are foremost concerns. At Brammer Buck & Hickman, we understand how these issues impact your business and we're here to help.

SKF Wind Energy Product Ranges



SKF has dedicated considerable R&D resources over many years working with leading OEMs to optimise turbine performance, reliability and energy output. It designs and develops bearings, seals, condition monitoring systems and lubrication systems that can enable more cost-effective wind energy generation and lower lubricant consumption.

SKF's advanced test centre is the only site capable of testing large size bearings under conditions that represent real-life dynamic loads, leading to bearings with higher performance and longer service life.

The Product Range



SKF Nautilus

SKF Nautilus is a main shaft bearing solution, which can be designed with gearboxes or be directly driven, with outer or inner ring rotation, and can be mounted on shafts or directly bolted onto the surrounding structure. SKF Nautilus provides increased reliability and operational safety whilst simplifying mounting, dismounting and maintenance.



SKF Spherical Roller Bearings

Available in many designs, series and sizes, with open and sealed variants, these bearings are optimal for operations in harsh conditions. Versions designed specifically for wind turbine main shafts are optimised to handle dominating axial loads, allowing them to perform more reliably under typical operating conditions.



SKF Cylindrical Roller Bearings

Available in a very wide range of models, these bearings can meet the challenges of applications faced with heavy radial loads and high speeds. In the case of wind turbine gearboxes, for example, SKF High-Capacity Cylindrical Roller Bearings allow high-speed intermediate shafts to withstand greater loads whilst also reducing the risk of smearing, adhesive wear and bearing failures.



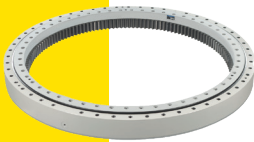
SKF Tapered Roller Bearings

To improve the performance of high, intermediate and low speed shaft bearing arrangements in wind turbines, SKF Tapered Roller Bearings are available in a wide range of bearing sizes and cross sections.



SKF Deep Groove Ball Bearings

Low friction and optimised for low noise and low vibration which enable high rotational speeds, Deep Groove Ball Bearings accommodate radial and axial loads in both directions, are easy to mount, and require minimum maintenance.



SKF Slewing Bearings

SKF Slewing Bearings are designed to accommodate loads acting singly or in combination, and in any direction. They enable an optimised power transmission with a simple and quick connection between adjacent machine components. For longest life, SKF High Endurance Slewing Bearings have a reduced friction, which can increase turbine and pitch control performance. The bearing features a polyurethane seal which enhances resistance to ozone, UV and salt water. The seal design is also more resistant to ring deformation during operation, which reduces grease leakage and water ingress.



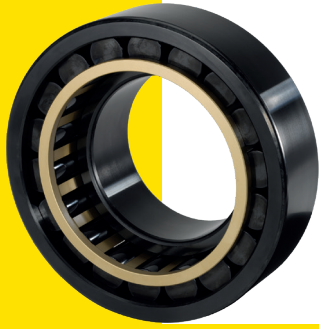
SKF Quiet Running Deep Groove Ball Bearings

Designed specifically to address the operating conditions of wind turbine generators, Quiet Running Deep Groove Ball Bearings help prevent resonance that can occur between the rotor, stator and bearings.



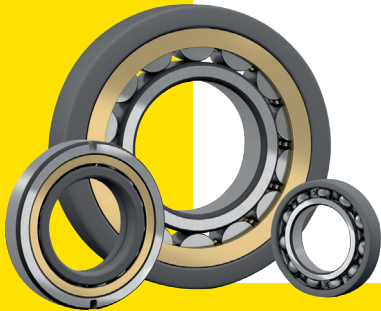
SKF XL Hybrid Bearings

XL Hybrid Bearings have been designed and developed to protect bearings in large wind turbine generators.



SKF Black Oxide Bearings

Reducing the probability of premature bearing failure due to white etching cracks, Black Oxide Bearings provide enhanced protection from corrosion, improved resistance against smearing, improved performance in low-lubrication conditions, limited risk of fretting and reduced risk of damage from aggressive oil additives.



SKF INSOCCOAT® Bearings

These specialist bearings feature a special aluminium oxide coating to control the main effects of electrical erosion.





Reduce
Carbon Emission



Avoids Waste of
Natural Resources



Shorter
Lead Time

Bearing Remanufacturing

Bearings in wind turbines are frequently very large, specialist units and are therefore expensive to replace and come with a long lead time. However, rather than replace a bearing that is failing, have you considered having it repaired or using a remanufactured bearing?

Bearing remanufacturing can significantly reduce carbon emissions, consuming around 10% of the energy of making a new one. By extending bearing service, remanufacturing avoids the scrapping of components and wasteful use of natural resources. The lead time on a remanufactured bearing will also be shorter than for a new one.

To find out more about remanufacturing of your bearings, contact Brammer Buck & Hickman direct.



Brammer Buck & Hickman

For all your SKF bearings needs, and more.

Brammer
Buck &
Hickman

A RUBIX
Company

BRAMMER BUCK & HICKMAN, a Rubix Company, is SKF's largest Authorised Distributor across Europe. We have the widest SKF product range, exceptional availability, in-depth knowledge and technical expertise. Talk to us to find out how we can help improve your production facilities with SKF bearings best suited to your needs and budget.

Of course, our product range goes far beyond bearings. We offer more than 5 million different product lines - 500,000 of which are in stock at any one time, all available 24 hours a day, 365 days a year. Available via our centrally-located National Distribution Centre in the Midlands, plus a network of branches across the UK, we'll get it to you on time, every time.

With our specialist expertise, international strength and local presence - combined with our thorough understanding of the food & drink industry - we are ready to become your parts and products partner.



Brammer Buck & Hickman
Call 0870 240 2100
or visit uk.rubix.com