

RUBIX

SKF Bearing
Solutions for...

Food & Drink



Why Choose SKF?

Rubix 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 Rubix, 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.

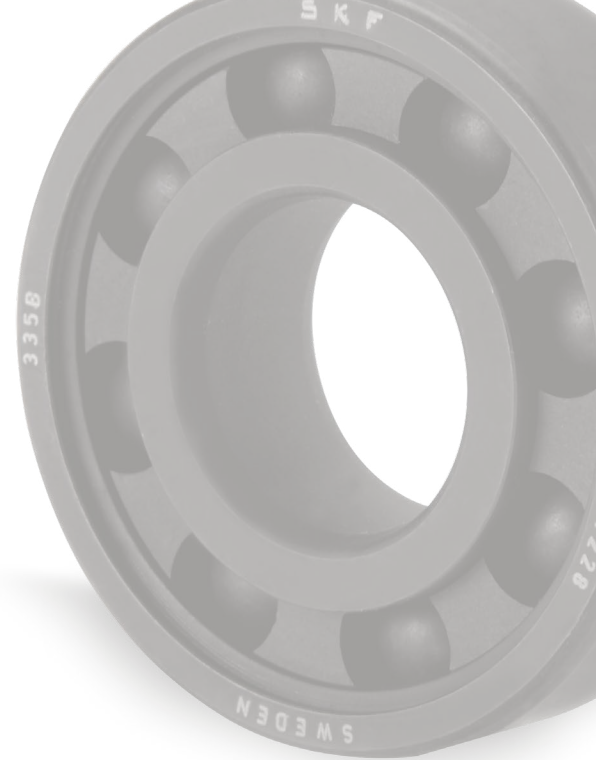
Product Availability

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, Rubix 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

At Rubix we have extensive experience of working with some of the biggest names in the food and drink sector. All across the UK, many businesses in the industry choose us for their industrial supplies and services because of our specific sector expertise.

Our vast experience means that we know that there are key issues that affect food and drink businesses and production processes, and can impact the bearings you use:



Food Safety and Hygiene Regulations are becoming ever more stringent and require companies to incorporate the latest advancements in hygienic design into all of your food processing assets.



Cost Reduction is a key consideration in production processes, whether that be in sourcing lower cost components, making processes more efficient and reducing downtime.



Operating Conditions can have a big impact on your production lines, such as constant washdown, high sustained speeds and working with high temperatures.



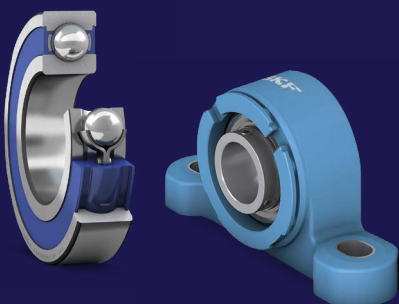
Sustainability needs to run across a business, right down to component parts. The aim is to reduce your carbon footprint, reduce waste and recycle where possible.



We understand what impact these issues have on your requirements and how we can apply our expertise in your industry to provide you with the best bearings products and support.

For businesses with a need to keep production lines running 24/7/365, always having the right part at the right time is vital - and we're here to help.

SKF Food & Drink Product Ranges



When it comes to bearings in the food and drink sector, like Rubix, SKF has a wealth of knowledge, translated into some of the most innovative and best quality products available. These include the SKF Food Line complete range of relubrication-free ball bearing units supporting food safety programs, and the SKF Food Line Deep Groove ball bearings.

SKF Food Line ball bearing units – Blue Range

SKF Food Line Blue Range has been specifically developed to offer a complete range of hygienic and high-performance bearing unit solutions for the most demanding food and drink environments. They are lubricated for life and designed to withstand frequent washdowns, helping to eliminate contaminants, reduce the spread of bacteria and solve many of the problems connected to traditional maintenance.

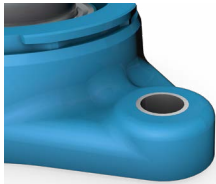
With SKF Food Line Blue Range, the hygienic design of all components eliminates relubrication and can reduce cleaning time.

There are also environmental benefits to be had with a third less water required for cleaning excess grease off open bearing units and a reduction in the need for and thus the disposal of grease.

With SKF Food Line ball bearing units, you benefit from:

- › reduced risks to food safety
- › decreased downtime
- › reduced maintenance and related costs
- › extended bearing life and high reliability
- › a more sustainable approach



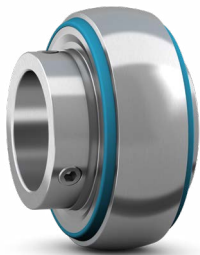


Hygienic design

SKF Food Line Blue Range has been specifically designed from the ground up, component by component, for improved hygiene and compliance with food safety regulations.



- Back seal that seals statically against housing and dynamically against shaft, and an end cover that fully seals against the housing on the front side, preventing process material from entering the bearing.
- Housing designed to eliminate crevices or recesses where soiling and bacteria might accumulate, including filled base.
- End cover effectively seals the unit off, while a patented locking mechanism prevents it from accidentally dislodging.
- Relubrication-free design helps to eliminate excess grease accumulation in end covers where bacteria can grow when exposed to processing material and liquids.
- Angled surfaces to promote self-draining and extremely smooth surface finish improves hygiene at washdowns.



Insert bearings and sealing system

At the heart of each unit is a high-quality corrosion resistant insert bearing with AISI grade 420 stainless steel inner ring, outer ring and balls. A patented, bearing sealing system is featured in the design that adopts a radically different approach to preventing damage caused by detergent ingress into the bearing.

Bearing grease

All units are lubricated for life with NSF-approved, SKF food-grade grease for relubrication-free operation. The high-quality grease is registered by NSF as a category H1 (lubricant acceptable for use in applications where there is potential for incidental food contact) and is religious compliant (Halal and Kosher) and allergen free to EC listings.



Blue seals and housing material

All seals and housings are blue to aid with optical detectability if accidental contamination is suspected, improving food safety.

SKF Food Line

Deep Groove ball bearings

Compliance with food safety requirements make the SKF Food Line stainless steel deep groove ball bearings an ideal solution for virtually all applications in food and drink processes.

Designed specifically for the food and drink sector, SKF Food Line Stainless Steel Deep Groove Ball Bearings provide a reliable, extended, relubrication-free service life, in cases where there is:

- high moisture and water presence
- an exposure to high pressure wash downs
- a need for increased protection against contaminants
- difficulty to access for relubrication
- bearings breathing (rapid temperature changes in moist/wet environments)



Food safe

- Pre-lubricated with a high-quality food grade grease registered by NSF as category H1
- Synthetic rubber seals coloured blue for optical detectability should any fragments enter the food stream, complying with US FDA and EC recommendations

High corrosion resistance

- Stainless steel (440C) for inner ring, outer ring, rolling elements and cage
- Stainless steel backing plate for the seal

SKF Foodline stainless steel deep groove ball bearings are available in high nitrogen corrosion resistant material for hostile environments and extreme corrosion needs and also in standard bearing steel for post processing and higher load applications.

SKF Fryer bearing technology

Bearings face a number of challenges in the food and drink industry, but none more so than those in commercial fryers. Traditional bearings in the fryer's paddle position must be relubricated frequently to keep them reliable. However, the bearing seals and indeed the grease inside can quickly degrade when subjected to 180°C cooking oil and frequent caustic boil-outs.

SKF Fryer Bearing Units take a different approach.

These specialist bearings have been specifically developed to provide optimum performance in challenging environments with extreme temperatures. Using a special high-temperature PEEK-material cage design, along with stainless-steel bearing components, the SKF Fryer Bearing Units are very durable.

But what's innovative is that they use the hot cooking oil inside the fryer to enter the bearing and act as a lubricant, while simultaneously preventing contaminants from entering the process.



Extended bearing life

SKF Fryer Bearings can last two to three times as long as standard bearings, resulting in reduced downtime, trouble-free operation without frequent service intervals and improved productivity. All in all, cost savings can be made by swapping to SKF Fryer Bearing Units, with an ROI of around eight months.

Reduced lubrication

By using the cooking oil as a lubricant, bearings do not need to be relubricated with expensive high temperature greases after each caustic boil out, which reduces maintenance and lubrication costs. Furthermore, the risk of contamination as a result of bearing breakage and/or lubricant contaminating fryer oil is considerable reduced.



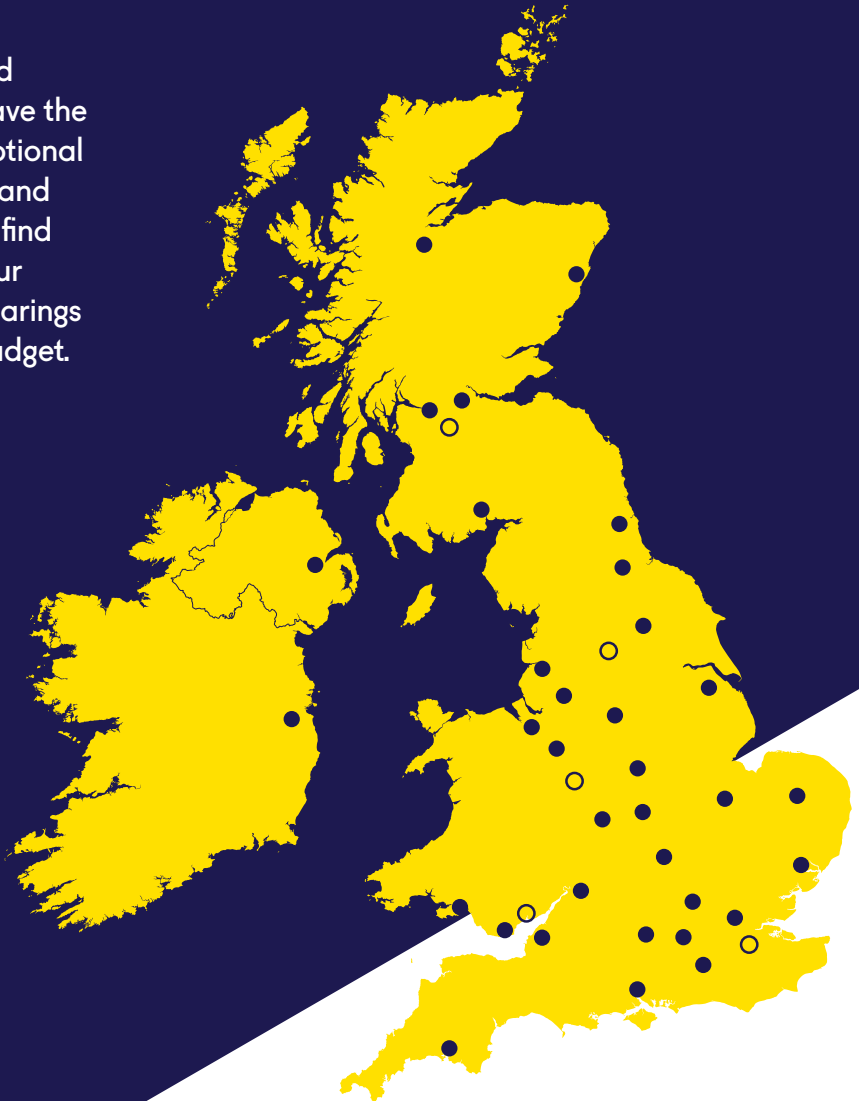
RUBIX

For all your SKF bearings needs, and more.

RUBIX 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.



Rubix

Call 0870 240 2100
or visit uk.rubix.com