

Improve food safety at every step of production

SKF Food line spherical roller bearings for demanding food and beverage applications



A design you can trust

SKF is the first to introduce a range of spherical roller bearings specifically designed for the food and beverage industry. Our new bearings come with food grade seals and food grade grease to enhance food safety. You can also count on these bearings for an average of three times longer service life compared to open bearings, resulting in more efficient production and less maintenance.

Food-safe production in every process

Maintaining a safe food production environment is critical in every process. Despite advancements in machinery and more stringent food safety compliance programs and protocols, recalls continue to rise. The importance of having a safe environment throughout your production cannot be overstated.

One key step to enhance food safety and ensure compliance with industry regulations is to replace open

bearings with bearings designed specifically for the challenging conditions of the food and beverage industry. By making this change, you are proactively improving food safety as well as protecting your brand image.

With the addition of spherical roller bearings, SKF Food line practically covers every type of application in any food and beverage processing plant.



High-performance food grade NSF H1 grease – optimized for the food and beverage industry. Grease is Halal and Kosher certified and complies with US Food and Drug Administration (FDA) and European Community (EC) recommendations.



Produce more with minimal maintenance

When you invest in SKF Food line spherical roller bearings, you are not only enhancing food safety but also improving bearing reliability and prolonging bearing service life. This means you can keep your machines in service until the next scheduled maintenance stop.

The food grade contact seals, approved by the FDA (US Food and Drug Administration) and EC (European Community), protect your bearings from water and detergent ingress as well as other contaminants. The seals also minimize the risk of grease escaping from your bearings thus positively impacting performance and service life.

SKF Food line spherical roller bearings are manufactured to the standards of SKF's Explorer performance class bearings. The steel has high fatigue resistance, high dynamic load rating and low vibration and heat generation.

Using a spherical roller bearing with food grade seals and food grade grease results in excellent durability, strength and reliability. So, you can reduce the number of production stops and increase the number of units produced.

Reduce the environmental impact

SKF Food line spherical roller bearings not only improve food safety and reduce maintenance but also help reduce your company's environmental impact.

The bearings come with low-friction seals, which reduce energy consumption and CO₂ emissions. The outcome is longer service life and thereby fewer bearing replacements (less raw material, manufacturing and transportation) as well as minimal grease consumption.



The key ingredients for improved food safety

High-efficiency food grade seal (FDA and EC approved)

Nitrile butadiene rubber contact seal, designed for excellent performance.

Benefits

- Help prevent premature bearing failure
- Excellent water and solid contaminant exclusion
- Minimize risk of grease escaping from the bearing
- Virtually no grease consumption
- Blue colour for optical detection

High-performance food grade grease

Pre-filled with high-performance NSF category H1 grease optimized for the food industry.

Benefits

- Halal and Kosher certified
- Complies with FDA and EC recommendations
- Allergen-free and approved to have incidental food contact
- Meets all allergen standards issued by EC
- Prevents the oil and thickener from separating

High-performance bearings

Sealed and self-aligning bearings of Explorer performance class.

Benefits

- On average three times longer service life compared to open bearings
- High dynamic load resistance
- Low vibration and heat generation

This is SKF Food line bearing range

A complete portfolio of bearings to enhance the food safety of essentially any food and beverage application, like pellet presses, ice cream production, chocolate refiners, flour mills, dough mixers and bakery rolling mills, pasta machines and mixers, meat and poultry grinders, and other similar machines. When you choose SKF, you also get access to the vast knowledge and experience that we have gained over many years.



Stainless steel deep groove ball bearing¹⁾



MRC Ultra corrosion resistant sealed deep groove ball bearing¹⁾



Deep groove ball bearing¹⁾



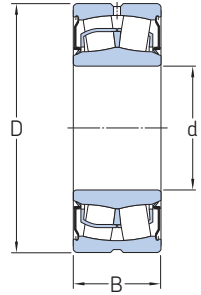
Spherical roller bearing for heavy loads¹⁾

¹⁾ Variable percentages of grease fill as an option

Product data

Sealed spherical roller bearings

d 25 – 85 mm



Variants Clearance classes, grease filling rate, bore type²⁾

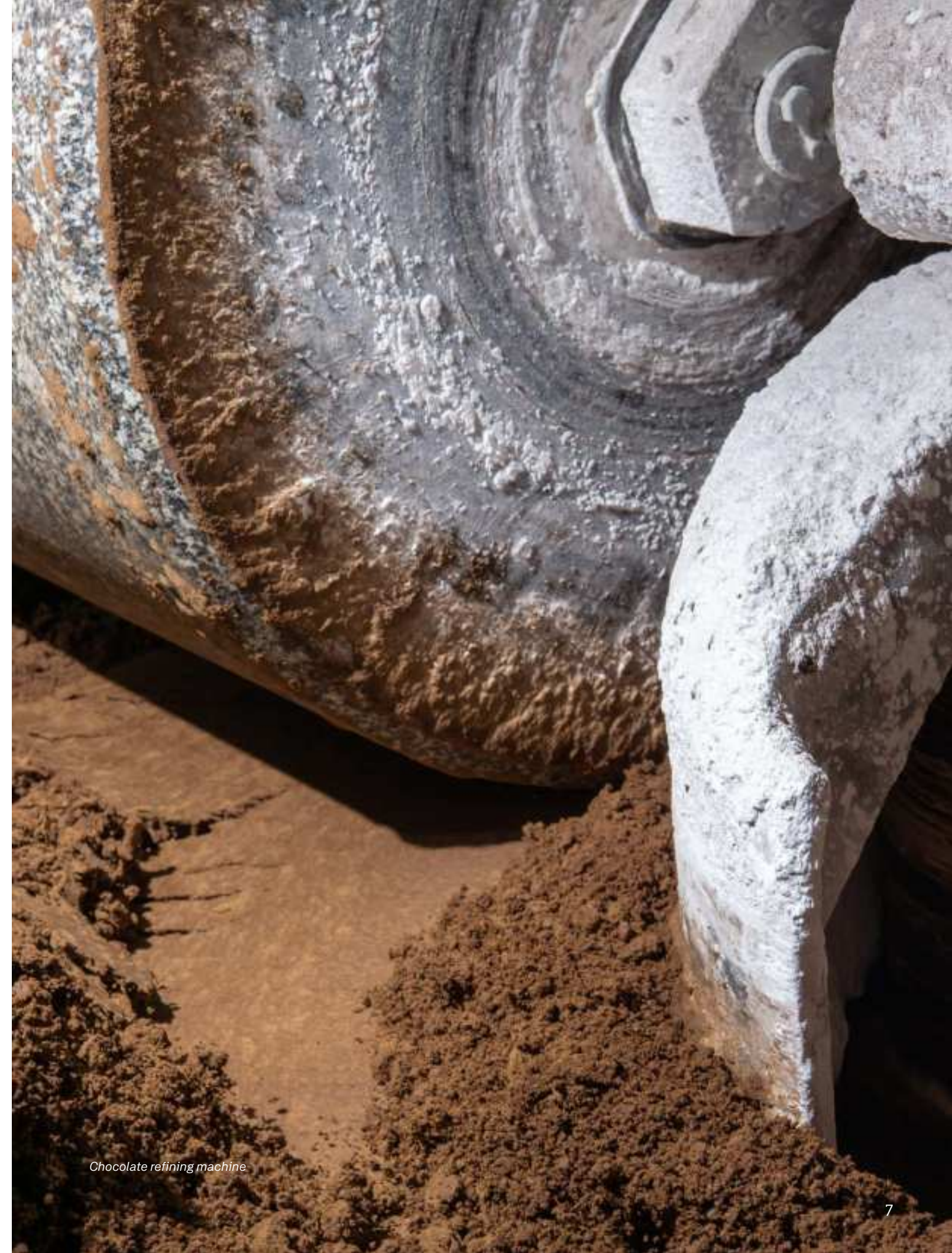
Seal material NBR01523 (Temperature range -40 to 100 °C; -40 to 212 °F)

Lubricant Factory fill: GFP; Aftermarket: LGFQ 2

Visit skf.com for product information.

| Principal dimensions | | | Basic load ratings | | Fatigue load limit | Limiting speed | Mass | Designation |
|----------------------|-----|----|--------------------|----------------|--------------------|----------------|------|------------------------|
| d | D | B | dynamic | static | | | | |
| mm | | | C | C ₀ | P _u | r/min | kg | – |
| 25 | 52 | 23 | 49.9 | 44 | 4.75 | 780 | 0.21 | BS2-2205-2RS/GFP9VA944 |
| 30 | 62 | 25 | 66.1 | 58.5 | 6.4 | 650 | 0.32 | BS2-2206-2RS/GFP9VA944 |
| 35 | 72 | 28 | 88.8 | 83 | 9.15 | 560 | 0.5 | BS2-2207-2RS/GFP9VA944 |
| 40 | 80 | 28 | 98.5 | 91.5 | 10 | 500 | 0.6 | BS2-2208-2RS/GFP9VA944 |
| 45 | 85 | 28 | 104 | 100 | 10.8 | 460 | 0.64 | BS2-2209-2RS/GFP9VA944 |
| 50 | 90 | 28 | 107 | 108 | 12 | 430 | 0.71 | BS2-2210-2RS/GFP9VA944 |
| 55 | 100 | 31 | 129 | 127 | 14 | 390 | 0.96 | BS2-2211-2RS/GFP9VA944 |
| 60 | 110 | 34 | 159 | 166 | 18.6 | 350 | 1.3 | BS2-2212-2RS/GFP9VA944 |
| 65 | 120 | 38 | 198 | 216 | 23.6 | 320 | 1.75 | BS2-2213-2RS/GFP9VA944 |
| 70 | 125 | 38 | 213 | 228 | 25.5 | 310 | 1.8 | BS2-2214-2RS/GFP9VA944 |
| 75 | 130 | 38 | 217 | 240 | 26.5 | 290 | 2.1 | BS2-2215-2RS/GFP9VA944 |
| 80 | 140 | 40 | 243 | 270 | 29 | 270 | 2.4 | BS2-2216-2RS/GFP9VA944 |
| 85 | 150 | 44 | 291 | 325 | 34.5 | 260 | 3 | BS2-2217-2RS/GFP9VA944 |

²⁾ Please contact SKF for availability



Chocolate refining machine

[skf.com](https://www.skf.com)

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