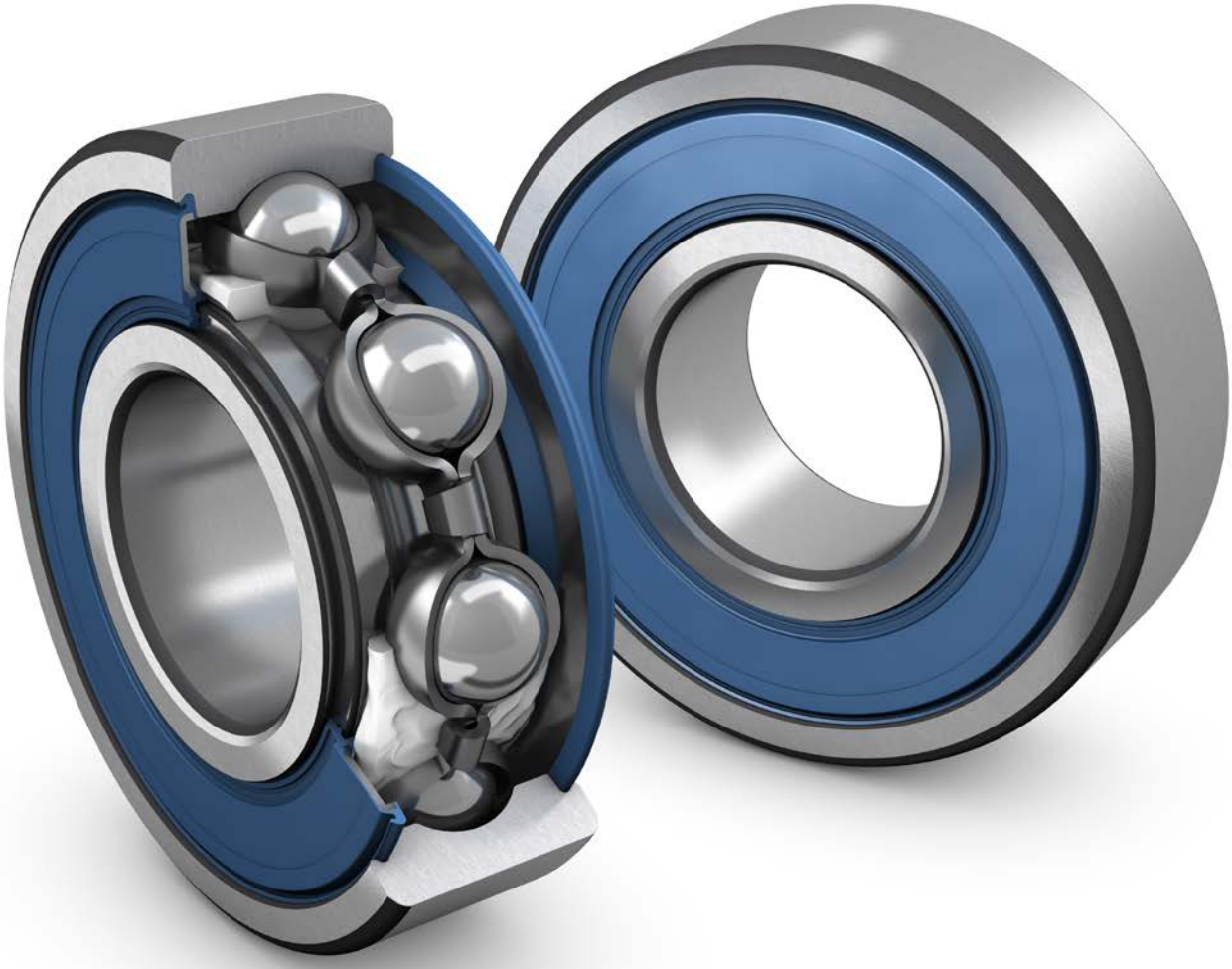
A high level of safety, at every stage of food production

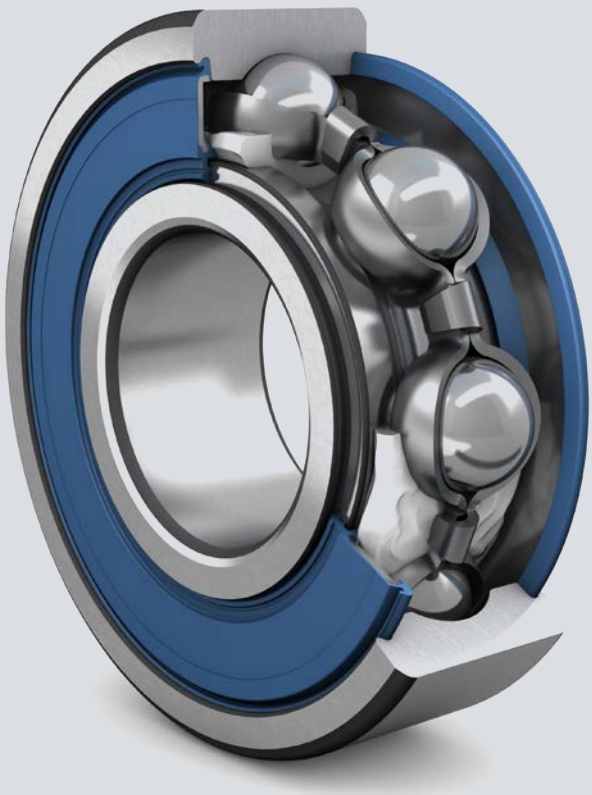
SKF Food line ball bearings for non-corrosive environments



93%
SEALING EFFICIENCY
Important or very important*

88%
FOOD GRADE SEAL AND FOOD GRADE GREASE
Important or very important*

* Industry survey conducted by SKF, involving OEMs and F&B producers.



FDA · HALAL · ALLERGEN FREE · NSF · Kosher

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.

Every part of your processing plant is important

Food safety compliance is not just about the critical points in production. Contamination can occur practically everywhere, even in pre and post processing. This might be why our survey of food and beverage producers and OEM's revealed that food grade grease and seals are important factors throughout food processing facilities. These survey results prompted SKF to extend the Food line bearing solutions range.

Reducing food safety risks

Striving for safe production environments is vital to meeting industry regulations and avoiding product recalls. The SKF Food line ball bearings have sealing technology that minimizes the risk of grease escape from the bearing. Should leakage occur, our NSF H1 compliant, food grade grease is allowed to have incidental food contact. Unforeseen seal damage is detectable through the use of blue material, which is, of course, made of food grade compounds.

Increasing reliability

Standard steel bearings manufactured to SKF's Explorer performance class provide excellent load carrying capacity. In addition to this, high-efficiency seal technology and a high-performing industry optimized grease provide reliability in application.

Supporting sustainable development

Choosing our ball bearing solution for the non-corrosive parts of your production chain also reduces your company's environmental impact. Sealed bearings require no re-lubrication or maintenance and, therefore reduce the consumption of grease and grease absorbents. The low friction seal supports reduced energy consumption in the bearings.

A smart combination of proven technologies

Innovation isn't always about new technology. Using proven technology in new products is often the quicker and safer way forward. In this case, we have combined a steel deep groove ball bearing, manufactured to the standards of SKF's Explorer performance class, with high-performing food grade grease and best-in-class sealing.

SKF Explorer performance class bearings

Combining expertise in bearing design, tribology, metallurgy, lubrication and manufacturing, SKF engineers spent years maximizing the service life of SKF Explorer bearings. The result is a new level of excellence, in both bearing performance and precision manufacturing. Still unmatched in the marketplace, SKF Explorer bearings offer:

- maximized rating life
- higher running accuracy than ISO standard
- exceptional strength and durability – made from extremely clean, highly homogeneous steel and using a unique heat treatment process.

High-performance food grade grease

- Specially developed grease – proven to be effective even in cases of incidental water or detergent penetration
- Registered by NSF as category H1
- Allergen-free, it meets all allergen standards issued by the European Community (EC)
- Halal and Kosher certified

Further lubricant options include food grade Solid Oil* and alternative grease fills made to specific customer requirements.

High-efficiency food grade seal

- The synthetic blue rubber seal makes it easy to identify fragments in the food stream
- RSH contact-seal performance – excellent water and solid contaminant exclusion
- Complies with US Food and Drug Administration (FDA) and European Community (EC) recommendations.

The SKF food line family

At SKF, we have developed a range of bearings that comply with industry standards and use food grade grease and optically detectable food grade sealing.

Deep groove ball bearing with variable percentages of grease fill as an option

NEW

Non-corrosive environments for all load conditions

Stainless steel groove ball bearing with variable percentages of grease fill as an option

Corrosive environments

MRC Ultra corrosion resistant sealed deep grove ball bearing

Harsh and extreme conditions

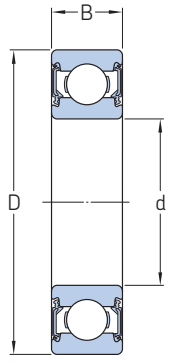
With Solid Oil* lubrication technology

* Solid Oil

Consider using a food grade Solid Oil fill in all instances where extended life is required or in harsh environments. Solid Oil is a polymer matrix saturated with a lubrication oil that completely fills the internal space in a bearing and encapsulates the cage and rolling elements. The Solid Oil matrix contains 2-4 times more lubricating oil than a corresponding sealed, grease-filled bearing, thus providing extended life.

Get to know the details

Details make all the difference. In this section, you'll get all the technical data you need to order.



Principal dimensions			Basic load ratings dynamic	static	Fatigue load limit	Limiting speed	Mass	Designation
d	D	B	C	C_0	P_u			
mm			kN		kN	r/min	kg	–
10	26	8	4.75	1.96	0.083	19 000	0.019	**6000-2RSH/VA947**
	30	9	5.4	2.36	0.1	17 000	0.032	**6200-2RSH/VA947**
12	28	8	5.4	2.36	0.1	17 000	0.021	**6001-2RSH/VA947**
	32	10	7.28	3.1	0.132	15 000	0.038	**6201-2RSH/VA947**
	37	12	10.1	4.15	0.176	14 000	0.062	**6301-2RSH/VA947**
15	32	9	5.85	2.85	0.12	14 000	0.03	**6002-2RSH/VA947**
	35	11	8.06	3.75	0.16	13 000	0.046	**6202-2RSH/VA947**
	42	13	11.9	5.4	0.228	12 000	0.085	**6302-2RSH/VA947**
17	35	10	6.37	3.25	0.137	13 000	0.04	**6003-2RSH/VA947**
	40	12	9.95	4.75	0.2	12 000	0.067	**6203-2RSH/VA947**
	47	14	14.3	6.55	0.275	11 000	0.12	**6303-2RSH/VA947**
20	42	12	9.95	5	0.212	11 000	0.07	**6004-2RSH/VA947**
	47	14	13.5	6.55	0.28	10 000	0.11	**6204-2RSH/VA947**
	52	15	16.8	7.8	0.335	9 500	0.15	**6304-2RSH/VA947**
25	47	12	11.9	6.55	0.275	9 500	0.081	**6005-2RSH/VA947**
	52	15	14.8	7.8	0.335	8 500	0.13	**6205-2RSH/VA947**
	62	17	23.4	11.6	0.49	7 500	0.24	**6305-2RSH/VA947**
30	62	16	20.3	11.2	0.475	7 500	0.2	**6206-2RSH/VA947**