



We pioneer motion

INA Radial Insert Ball Bearing and Housing Units

Product solutions for the food industry

Bearings used in the food and drinks industry and other sectors are periodically subjected to various corrosive media and chemicals. The materials that Schaeffler uses in its “Food range” are therefore also resistant to numerous cleaning agents and other media, e.g. alcohol and water. Above and beyond this, the food processing and production sectors in particular are also subject to specific lubricating grease and material requirements and authorizations.

The advantages for you at a glance:

- Resistant to media
- High level of cleanliness
- Materials conform to the criteria for food safety
- Wide operating temperature range
- Minimum machine downtimes/maintenance times

SCHAEFFLER

The combination makes the difference

INA radial insert ball bearing and housing units for the food industry

The units are ready-to-fit and comprise white plastic housings in which Schaeffler's corrosion-resistant radial insert ball bearings for the food industry are fitted. The units are used predominantly as locating bearings, but are also suitable as non-locating bearings under low loads and speeds.

Challenge and requirements:

- Increasingly stringent health and safety requirements in the food processing industry mean that clean, safe facilities are needed
- The objective is to minimize downtimes and maintenance outlay
- In facilities in which direct contact with the product being processed can occur or in which contamination is to be expected, materials of sufficient resistance are required
- Frequent cleaning operations with steam, steam jets, or alkaline media place a strain on the steel, cage materials, sealing shields/sealing washers, and lubricants. This strain can have a negative impact on the running behavior and operating life of the rolling bearings
- Contamination must be easy to detect and remove
- Bacterial growth must be prevented – this can be done by avoiding dead spaces and primarily using surfaces with a low level of roughness

Our Solution:

- The inner ring, outer ring, rolling elements, and cage are made from corrosion-resistant steel
- Allergen-free and high quality lubricant with foodstuff approval according to classification NSF-H1 – including halal and kosher certification
- All component materials meet quality requirements according to FDA
- Operating temperature range of units with or without Back Seal component from – 30 °C to + 100 °C
- Operating temperature range when using the bearing end caps +80 °C max.
- Suffix ..-FD for clear identification



The advantages for you:

- End cap acts as an additional barrier against contamination and allows easier cleaning
- Glass fiber-reinforced material with high resistance against moisture, UV radiation, bacteriological and fungal attacks as well as most chemicals
- H1 grease is suitable for foodstuff use
- Resistant to moisture, contaminated water, alcohol, and cleaning agents

More information on food, beverages and and packaging can be found on our medias page:

mailto: food-program@schaeffler.com



Possible combinations of radial insert ball bearings and white plastic housings

		Plummer block housings with long base		Plummer block housings with short base		Two-bolt flanged housings narrow		Two-bolt flanged housings wide		Four-bolt flanged housings	
		GEH.ASE..- TV-WHT	GEH.SHE..- TV-WHT	GEH.CJT..- TV-WHT	GEH.GLCTE..- TV-WHT	GEH.CJ..- TV-WHT					
Radial insert ball bearings	GYE..-KRR-B-FA107- VA-FD with grub screws in the inner ring	RASEY..- TV-VA-FD ●●	RSHEY..- TV-VA-FD ●●	RCJTY..- TV-VA-FD ●●	Combinations not possible or not advisable	RCJY..- TV-VA-FD ●●					
	GE..-KRR-B-FA107- VA-FD with eccentric locking collar	RASE..- TV-VA-FD ●●	RSHE..- TV-VA-FD ●●	RCJT..- TV-VA-FD ●●●	GLCTE..- TV-VA-FD ●●	RCJ..- TV-VA-FD ●●●					
Accessories		KASK..-S-G-WHT end cap closed ●	KASK..-S-R-NBR- WHT end cap open ●	RWDR..-R-NBR Back Seal component ●							

- Included with **all** housing units
- Can be additionally ordered for the advertised products only
- Can be additionally ordered for **all** housing units

Other dimensions and conditions available by agreement