



We pioneer motion

## RIBB Housings: for Efficiency and Safety

Increasing awareness of the importance of ultra-high food safety standards has led manufacturers across the food and beverage industry to seek improved bearing solutions.

As part of the Schaeffler FOOD Program (FD), the radial insert ball bearing (RIBB) housing units offer:

- Improved food safety
- Greater cost efficiency
- Lower probability of workplace slips and falls



**SCHAEFFLER**

# Radial insert ball bearing (RIBB) housing units: an overview



## What?

The RIBB housing product family consists of corrosion-resistant bearings that are contained within a glass fiber-reinforced, white plastic PBT, protecting the component from production line debris, and eliminating the risk of contamination from the bearing that could cause food safety issues. This prolongs the life of the product and extends the intervals for maintenance, resulting in significant cost savings and reduction of costly plant downtime. FDA-compliant materials are used for all components.



High-quality grease with food grade approval to category NSF H1 – including halal and kosher certification.

## Where?

RIBB housing products can be used across the production line, whether in conveyor belts, on drive-shafts, or on packaging equipment.

## Why?



### Easy to clean

As the RIBB housing can endure pressures up to 90 bar, it is perfectly suited to a food and beverage production environment, where regular high water-pressure cleaning is common. The housing is purposely designed to be watertight, which helps to lengthen the lifecycle of the bearing.



### Robust

Food and beverage production facilities can often get extremely hot or cold. The RIBB housing can deal with both, excelling within an operational temperature of  $-30\text{ }^{\circ}\text{C}$  to  $+100\text{ }^{\circ}\text{C}$  – making it perfect for a wide range of manufacturing settings.



### Workplace safety

Leaked lubrication is a major hazard to workers on food and beverage production lines. The RIBB housing mitigates this risk effectively by offering a tight seal that prevents leakage around key components.



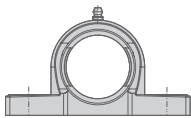



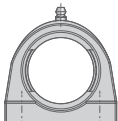









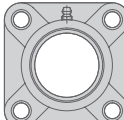




### Reduced costs

Time is money on the production line, and downtime could disrupt deliveries that your customers are expecting, which would reduce profitability. A quality RIBB housing unit can lower the need for downtime via the elimination of bearing corrosion and the reduction of time needed for cleaning.

# Options for a multitude of food and beverage environments

We offer a wide variety of options to suit your needs, no matter what food or beverage your production line outputs:

		Radial insert ball bearings		Component parts
Possible combinations: Radial insert ball bearings with white plastic housings		 GYE...KRR-B-FA107-VA-FD with grub screws in IR	 GE...KRR-B-FA107-VA-FD with eccentric locking collar	
Plummer block housings	<b>with long base</b>  GEH.ASE...TV-WHT	 RASEY...TV-VA-FD	 RASE...TV-VA-FD	 KASK...S-G-WHT Protection caps closed
	<b>with short base</b>  GEH.SHE...TV-WHT	 RSHEY...TV-VA-FD	 RSHE...TV-VA-FD	 KASK...S-R-NBR-WHT Protection caps open
Two-bolt flanged housing units	<b>Narrow design</b>  GEH.CJT...TV-WHT	 RCJTY...TV-VA-FD	 RCJT...TV-VA-FD	
	<b>Wide design</b>  GEH.GLCTE...TV-WHT	Combination not possible or not useful	 GLCTE...TV-VA-FD	 RWDR...R-NBR-WHT Back Seal
Four-bolt flanged housing units	<b>Units</b>  GEH.CJ...TV-WHT	 RCJY...TV-VA-FD	 RCJ...TV-VA-FD	

Other dimensions and combinations available on request

Schaeffler's RIBB housing system is highly modular, to suit your needs.

- 1 Included with all housing units
- 2 Available on request with all housings
- 3 Only with the products shown

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