

RADIAL INSERT BALL BEARINGS WITH STAINLESS-STEEL OR THERMOPLASTIC HOUSINGS FROM SCHAEFFLER

Engineered for the unique needs of the food & beverage industry

Proven to outperform the competition with respect to running friction, grease retention and water ingress, Schaeffler's INA radial insert ball bearings offer outstanding protection against the ingress of liquid and solid contaminants, while meeting the F&B industry's stringent demands for corrosion resistance, reliability and specialized lubricants.

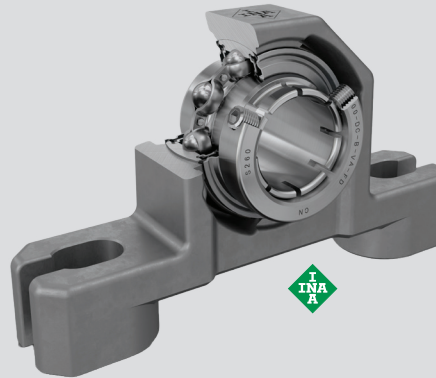


**IP69K
CERTIFIED**

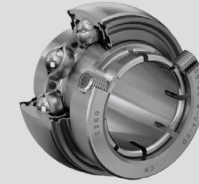
STAINLESS-STEEL HOUSINGS:

The right choice for strength and durability

- **Superior tensile strength** – especially resistant to deformation and cracks
- **Available in metric and inch sizes**
- **Set screw and concentric locking collar options**
- **Lubricated for life** (food-grade lubricant is NSF, Kosher and Halal certified)



Insert with
set screw



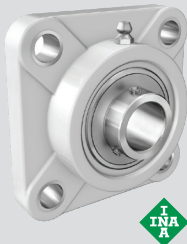
Insert with concentric
locking collar



THERMOPLASTIC HOUSINGS:

The cost-effective solution for food & beverage applications

- Made from lightweight, glass fiber-reinforced PBT plastic
- Resistant to electrical currents & high temperatures
- Available in metric shaft sizes
- Includes protective end cap
- Set screw and eccentric locking collar options

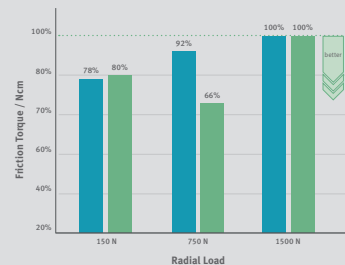


SCHAEFFLER RADIAL INSERT BALL BEARINGS VS. THE COMPETITION:

Less friction – more grease stays in – more water stays out!

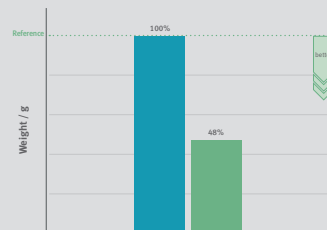
Bearing Friction

- The **INA bearings exhibit comparable friction behavior** vs. competitor bearings.
- Depending on the radial load and the averaged speeds, the INA bearings can have up to 25% lower friction torque values.



Grease Egress

- After a trial period lasting 132 hours, the **INA RIBB bearings show an average of 52% lower absolute grease leakage.**



Water Ingress (IP69X)

- The INA and competitor bearings were compared in the water hose test (according to IPX5 conditions).
- The protective caps remained on the housings during the pressure washer test (according to IPX9 conditions).
- On average, the **INA bearings exhibited up to 40% less water ingress** vs. the competition during the water hose test.

