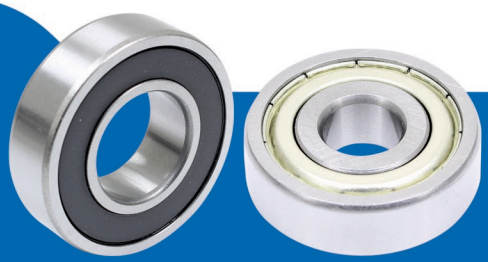
BEARINGS FOR FOOD AND BEVERAGE INDUSTRY

WJB BEARINGS

STAINLESS STEEL RADIAL BALL BEARINGS



- Corrosion resistant bearing components (300 Series)
- High performance USDA H1 lubricant or custom grease fill per specific customer requirements
- Nitrile, silicone, and viton seal materials available
- Polyamide or stainless steel cage options available
- Open, shielded and sealed bearing options available
- MTO/Custom units can be manufactured per customer's specific requirements

STAINLESS STEEL INSERT BEARINGS

- Corrosion resistant bearing components and set screws (300 Series). Other stainless steel materials (400 or 600 Series) available upon request
- High performance USDA H1 food grade lubricant or custom grease fill per specific customer requirements
- Nitrile, silicone, and viton seal materials available
- Polyamide or stainless steel cage options available
- Sealed bearings with stainless steel outer shields
- MTO/Custom units can be manufactured per customer's specific requirements

STAINLESS STEEL MOUNTED BEARING UNITS

- Corrosion resistant bearing components (300 Series). Other stainless steel materials (400 or 600 Series) available upon request
- Stainless steel grease zerks
- Stainless steel insert bearings
- Variety of housing styles available: 2-bolt pillow block, 2-bolt tapped base, flanged (2, 3, 4-bolt), and take-up units

THERMOPLASTIC MOUNTED BEARING UNITS

- Stainless steel (300 Series) insert bearings standard with other stainless steel (400 or 600 Series) or nickel plates materials available upon request
- Stainless steel grease zerks
- High temperature thermoplastic housings with stainless steel inserts (300 Series)
- Plastic end covers come with housings
- Variety of housing styles available: 2-bolt pillow block, 2-bolt tapped base, and flanged (2, 3, 4-bolt)

AVAILABLE UPON REQUEST:

- Stainless Steel Sprockets
- Stainless Steel Roller Chains
- Stainless Steel Cam & Roller Followers
- Stainless Steel Rod Ends

Call us to schedule an appointment with one of our application engineers to see how these products can meet your specific application needs

Benefits of Stainless Steel

CORROSION AND HEAT RESISTANCE

- Prevents contamination and maintains food's integrity
- Full stainless steel construction (300 series) provides heat resistant properties
- Higher grades of stainless steel (400/600 series) are available upon request

SUSTAINABILITY

- The features of corrosion resistance, durability, and reliability make Stainless steel an environmental friendly material, which extends service life and increases plant/manufacturing "up-time"
- Manufactured and filled with grease that meets the USDA H1 Food Grade specifications

CAPABILITY

- Solid base stainless steel construction is specifically designed for mechanical strength and handling extreme loading/speed conditions
- High Endurance to shock and abrasion
- Operation temperature up to 450 degree F
- Elastomeric seal design options provide additional protection from particle/debris contamination
- Ideal for robust applications due to the ability to handle high loads and fast RPMs

SUITABILITY

- The taste, smell and color of food products handled by stainless steel bearings remain consistent due to the neutrality of stainless steel as a material
- Capable of handling food products or processing lines containing strong coloring agents and/or acidic ingredients

CONVENIENCE

- Easiness of cleaning, which prevent buildup of grime, dirt, or bacteria growth

Benefits of Thermoplastic

More and more Food Processors and Equipment Manufacturers are turning to High-Performance Thermoplastic to address challenges of high humidity, extreme temperatures and chemical exposure for their equipment. Here are some benefits Thermoplastic has over stainless steel:

- **Features USDA H1 Food Grade lubricant**
- **Excellent resistance to humidity and Low water absorption**
- **High wear resistance under heavy loads and high speeds**
- **Lower initial operating costs over stainless steel due to cost of material and manufacturing machining**
- **Food safety and reliability can be increased due to the white PBT composition housing material designed with a smooth surface finish to prevent particle build up and retention which helps with the ease of cleaning**
- **Less maintenance and increased reliability due to its non-corrosive structure and ability to protect against mold, bacteria, and chemical cleaning agents**
- **Energy consumption can be reduced by designing a smaller drive train system**
- **Surrounding framework/infrastructure can be less robust to reduce manufacturing costs due to the lighter weight in the thermoplastic housing**

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