Ball Bearing Housed Units for the Food Industry

TIMKEN

Timken® Survivor® series ball bearing housed units are specially designed and manufactured to excel in the rugged, highly corrosive environments typically found in food processing applications. They are well-suited for any stage of the processing cycle, from the front end where weight and impact are of primary concern to the ready-to-eat end where corrosion resistance is critical. Timken products deliver the performance that's vital to the food industry.

The Survivor series is available with nickel-plated cast iron (NT) or polymer housings (PT) and comes with a choice of corrosion-resistant inserts. Choose between TDC with locking collar (R-NT) or setscrew with shaft guarding technology (Y-SGT-NT). Or, if you prefer a stainless insert, our PS series with setscrew locking is what you need.

Timken's polymer housing has several features that make it beneficial to many applications and environments.

Polymer Housing

- *Available in conventional pillow block and flange unit configurations*
- *Durable and corrosion-proof*
- *Stainless steel crush bushings in mounting holes*
- *Stainless steel grease fitting with nylon cap*
- *Resists a broad range of acids and alkalis, as well as steam and continuous temperature up to 250° F (brief exposure up to 320° F)*
- *Strength exceeds static capacity of bearing*
- *Retains proper bearing fit and resists shock loads*
- *Flush base contains no voids where bacteria can collect*

Applications

- *Packaging and processing*
- *Beverage bottling*
- *Dairies*
- *Beef, pork, poultry and fish processing*
- *Fruit and vegetable processing*
- *Bakeries*
- *Pet food processing*

Timken offers a complete line of application-specific, custom-formulated lubricants that help bearings and components operate efficiently



Easy-to-install Timken safety end caps protect exposed rotating shafts, reducing hazards around many types of equipment.

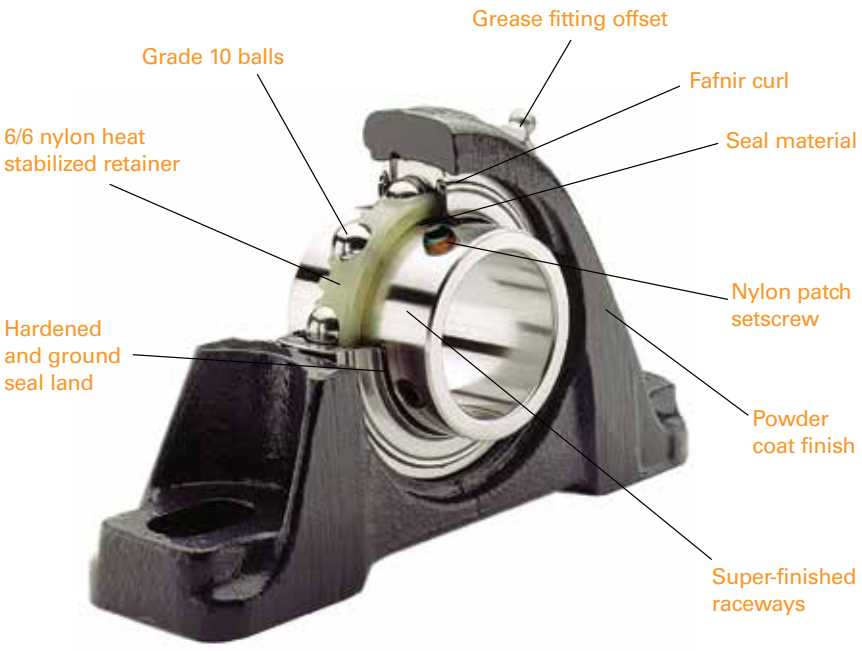
in industrial environments. High-temperature, anti-wear and water-resistant additives offer superior protection in the harshest conditions. You can turn to Timken for all the friction management products you need to extend life, boost productivity and reduce downtime.

ENVIRONMENT WITH SGT CHANGES	FREQUENT WASHDOWNS	LOW SPEED OR LIGHT LOADS	FULL RANGE SPEED/LOAD	SINGLE-DIRECTION ROTATION	REVERSING-DIRECTION ROTATION	LARGE SIZES AVAILABLE
Y-SGT-PT SURVIVOR PT with setscrew lock	■		■		■	
R-PT SURVIVOR PT with self-locking collar	■		■	■		
K-PS SURVIVOR PS with light-duty stainless steel, setscrew lock bearings	■	■			■	
R-NT SURVIVOR NT with self-locking collar	■		■	■		■
Y-SGT-NT SURVIVOR NT with setscrew lock	■		■		■	■



The Food Industry Turns to Timken® Fafnir® Housed Units

FEATURE	BENEFIT
Fafnir curl	Mechanical attachment of seal is secure, resisting "pop-out" during re-lube and inhibiting spinning of the seal in the outer ring seal groove.
Seal material	Buna-N rubber has cotton fiber, embedded to wick oil, which enhances lubrication and improves sealing integrity.
Super-finished raceways	Even surfaces reduce friction, leading to cooler, quieter running and longer life.
Hardened and ground seal land	Seal protected from inner ring abrasion, resulting in less wear (longer life) and prolonged seal integrity.
Grade 10 balls	Quiet and smoother-running bearings resulting from higher specification steel and improved roundness.
Double-filtered polyurea grease	Particles that can cause noise in application are removed. Improved lubrication cleanliness also leads to superior performance at higher speeds.
6/6 nylon heat stabilized retainer	Excellent misalignment capability. Resists size changes and moisture trapping. Non-corrosive and self-lubricating, as well as resistant to abrasion, wear and most solvents.
Special quality steel	Fewer carbides, inclusions and voids result in reduced risk of stress risers that can cause premature fatigue.
Grease fitting offset	Minimized risk of accidental and side impact, while maintaining accessibility for single-point lubricators.
Powder coat finish	Chipping, scratching and subsequent exposure to parent metal is reduced, helping to prevent corrosion.
Housing tolerances	Better grease purge throughout the bearing due to reduced risk of grease purge at outer diameter.



TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain and related mechanical power transmission products and services.

Stronger. **Commitment.** Stronger. **Value.** Stronger. **Worldwide.** Stronger. **Together.** | **Stronger.** By Design.

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