

Ball Bearing Housed Units for Agriculture

TIMKEN



Timken® Fafnir® is found in a wide array of ball bearing applications. Each bearing is designed with the same idea in mind – to maximize performance. The original wide inner ring ball bearing provides customers with a product that is easily mounted on straight shafts and positioned without shoulders, locknuts or adapters. This same design is still preferred in farm equipment applications.

Leading in Technology

Through the years, we've introduced innovations to improve performance and give longer life:

- *Patented eccentric locking collar*
- *Tri-ply seals for effective protection against loss of lubricant and entrance of contaminants*
- *Shroud seals for positive sealing against abrasives and fiber wrap*
- *Molded nylon retainer for extra strength and better bearing performance under misalignment*
- *Complete line of prelubricated and relubricatable bearings*
- *Flangette pressed steel housing units for light-duty, moderate-speed applications*
- *Versatile ductile iron units for high strength and a compact package*
- *Robust housing that provides a wide, more solid footprint*
- *Conventional setscrew that now provides shaft protection and prolongs shaft life*
- *Easiest-to-install shaft guarding product available*

Leading in Agriculture

The performance advantages of Timken products are popular with large agriculture OEMs and implement manufacturers. Proudly assembled at our factory in Pulaski, Tenn., Timken is the brand you trust. We continue to develop special units to serve the agriculture market:

- *Idler pulleys*
- *Idler sprockets*
- *Varieties of special bearings with steel or iron housings*
- *TDC coating on selected surfaces to protect against seal land and fretting corrosion*

Applications

- *Field preparation and conditioning*
- *Planting*
- *Harvesting*
- *Processing*
- *Conveyors*

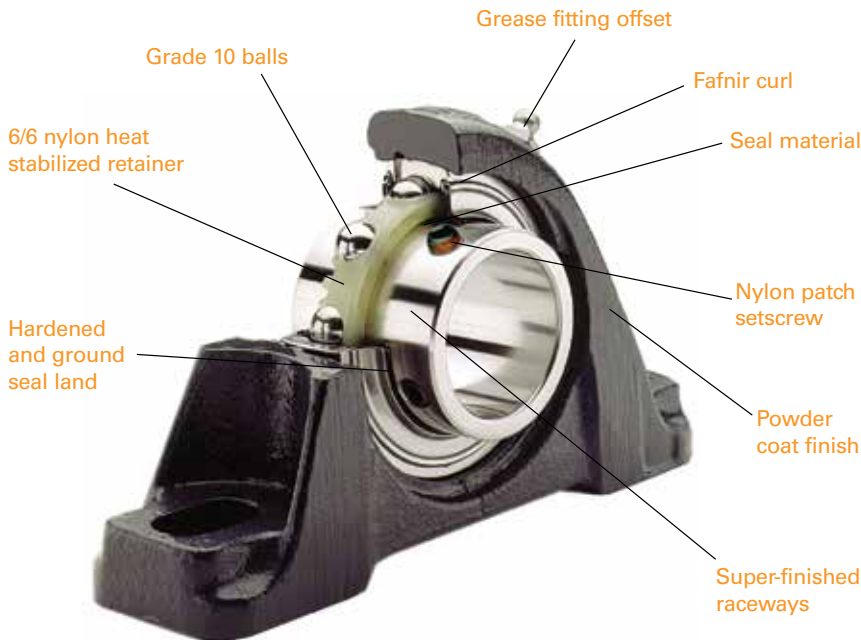
For years, Timken® Fafnir® housed units have been a leader in the agricultural market.

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



The Agriculture 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, belts, 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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