

Timken® Fafnir® Housed Units *with Shaft Guarding Technology*

TIMKEN

Where You Turn



Timken has introduced one of the easiest-to-install housed units available. It features a conventional setscrew, but provides shaft protection and prolongs the life of the shaft – no nicks, raised metal or permanent shaft damage. You'll find Timken's patented shaft guarding technology where production uptime is critical and shaft replacement is expensive.

Where traditional setscrew products rely on the setscrews to dig into the shaft to maintain grip, Timken's shaft guarding technology transfers the pressure of the setscrews through a stainless steel, hardened band. This absorbs the problems encountered from relative motion typically associated with setscrew product. The stainless band will not corrode to the shaft.

Shaft guarding technology exceeds gripping application requirements, maintains dimensional integrity and reduces fretting corrosion. It locks to the shaft like a traditional setscrew, but with new benefits:

- *Faster and easier installation and removal*
- *Reduces number of shaft replacements*
- *Requires less shaft preparation*
- *Reduces system costs*

Features

- *Two setscrews and nylon patch at 90-degree separation provide maximum holding capability with minimal distortion*
- *Groove running beneath the setscrews in inner ring bore to keep the band in place*
- *Hardened stainless steel band protects the shaft from damage*
- *Longer inner ring along the shaft*

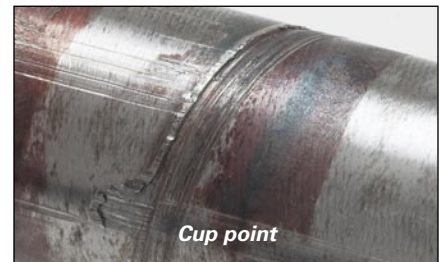
(ABMA-compliant) improves shaft support and reduces bearing misalignment

- *Available with Timken thin-dense chrome option*
- *Seal options include three-piece "R" seal for normal- to high-contamination environments and "L" seal for higher speeds and temperatures*
- *Choice of housing configurations*

Market Segments and Applications

- *Rubber and plastic*
- *Forest products*
Paper, tissue; newsprint, fine paper
- *Industrial machinery*
Fan and blower
Canning and bottling
Conveyor
Food
Printing press
Packaging
Textile
- *Agriculture*
Combines
Implements

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.



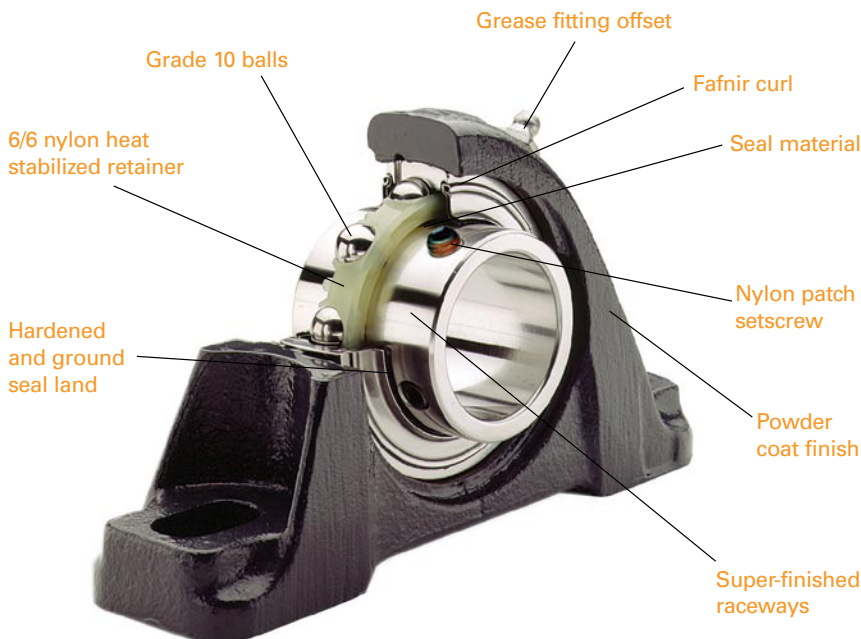
Timken's new shaft guarding technology prolongs shaft life by protecting against nicks, raised metal and permanent shaft damage.



Caution: Failure to follow the mounting/dismounting instructions of your equipment supplier can cause damage to the shaft, leading to premature failure of the equipment and/or serious bodily harm.
Warning: Go to www.timken.com/warning/WIR

The Market 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.



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Bearings • Steel •
Precision Components • Lubrication •
Seals • Remanufacture and Repair •
Industrial Services
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