

TIMKEN

TIMKEN® TYPE E HOUSED UNITS

ENHANCE PERFORMANCE
WITH LOWER TOTAL
COST OF OWNERSHIP



Stronger. By Design.



Our premium bearings have higher load capacity and increase bearing life by 47 percent over competing brands.

1. HIGH-PERFORMANCE SEALS

BENEFITS

- Better grease retention
- Less contaminant ingress
- Better protection against water, mud and salt ingress

2. COLLAR

BENEFITS

- Maximum corrosion resistance
- Better locking power
- Cuts down set screw back-out, even in severe applications

3. HOUSING

BENEFITS

- Superior corrosion resistance over black oxide or powder coating
- Interchangeable boltholes and shaft centerline dimensions

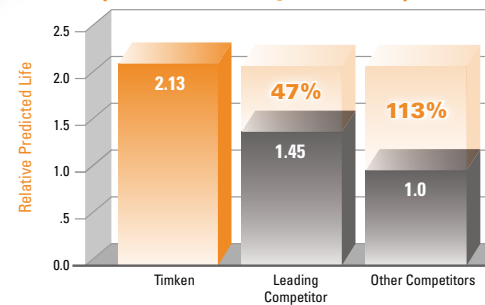
4. PREMIUM TAPERED ROLLER BEARING

BENEFITS

- Longer bearing life
- Better performance
- Higher load capacity

Bearing Life Analysis Comparison

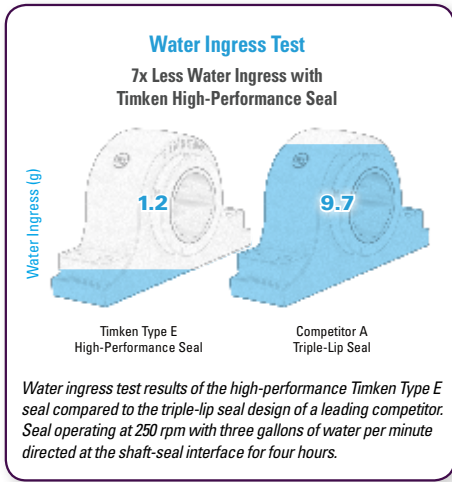
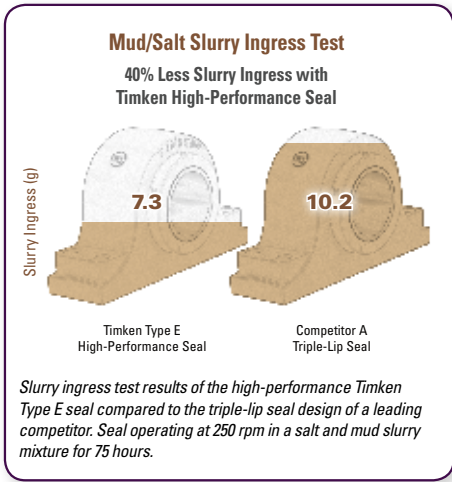
47%–113% Longer Life with Optimized Timken Tapered Roller Bearings Versus Competition



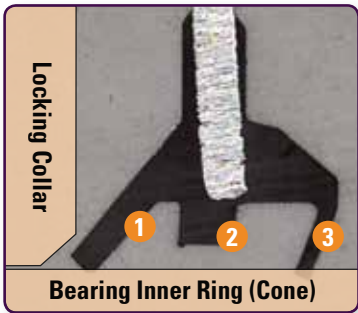
Analysis of the optimized Timken bearing compared to the leading competitor's bearing and most other Type E competitors.

Note: Life tests of Timken tapered roller bearings verified by Germanischer Lloyd.

Seal Performance Comparison



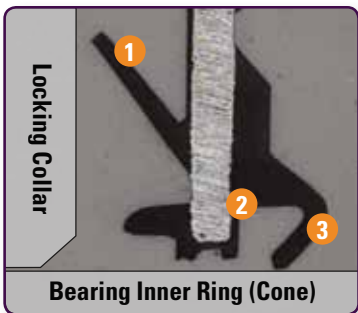
Which seal provides better protection?



Type E High-Performance Seal*

1. Outboard contact lip provides initial protection from ingress
2. Labyrinth, non-contact
3. Inboard contact lip provides secondary protection from ingress

Double-lip contact optimizes sealing.



Leading Competitor Triple-Lip Seal*

1. Outboard lip contacts back of machined collar and will wear quickly, impacting effectiveness of the lip
2. Labyrinth, non-contact
3. Single-lip contact to protect the bearing from ingress

Essentially operates as a single-lip seal.



* Graphical representation of bearing inner ring and locking collar.

3D CAD and 2D drawings available at <http://cad.timken.com/category/type-e-housed-unit-bearings>



A Wide Range Of Housed Units To Improve Your Performance

Timken offers a full line of split- and solid-block housed units for every type of equipment. Easily interchangeable with industry standard designs, the Timken global distribution network makes it easy to get Timken products anywhere in the world – fast.



SNT PLUMMER BLOCKS
*Customizable Solution,
Uptime Efficiency*



SAF PILLOW BLOCKS
*Optimal Load Capacity,
Extended Service Life*



**REVOLVO SPLIT CYLINDRICAL
ROLLER BEARING HOUSED UNITS**
*Split To The Shaft For Faster Fitting
Reduced Downtime*



**SPHERICAL ROLLER BEARING
SOLID-BLOCK HOUSED UNITS**
*Heavy-duty Protection,
High Performance*



**TYPE E TAPERED ROLLER
BEARING HOUSED UNITS**
*Improved Reliability,
Enhanced Performance*



BALL BEARING HOUSED UNITS
*Easy Installation,
A Wide Range of Options*



**UC-SERIES BALL BEARING
HOUSED UNITS**
*Optimized Performance,
Industry Standard Configurations*

Call on Timken

For your nearest Timken sales representative, visit www.timken.com

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, chain, gears and related mechanical power transmission products and services.

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

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