



**TIMKEN**

# Why Choose Timken?

**... Because nobody knows tapered roller bearings better.**

**Worldwide leader in tapered roller bearings**

**The widest selection in the industry**

**Product designs optimised for maximum performance**

**Brand of choice for leading global OEMs**

**Steel, profiles and finishes to match application needs**

**Over 115 years of experience building upon Henry Timken's invention**

**Consistently high-performing products made in 18 plants on 4 continents**

**Support from a global team of sales, service, design and application engineers**

**Centrally-located European warehouse**

**Excellent availability from an efficient global supply chain**

**Expert design and application engineers solve tough problems**

**Trusted to help minimize downtime**

**A strong and committed authorised distributor network delivers genuine, fully-warranted, and technically-supported products**

# BETTER BEARINGS = BETTER PERFORMANCE

**Timken® Tapered Roller Bearings** are designed for dependability and better operational efficiency.

## Optimised surfaces extend bearing life

Advanced superfinishing technology creates smooth roller and race surfaces that **improve lubrication**, help **reduce wear and friction**, **lower operating temperatures** and **reduce noise and vibration**.

## Steel Quality

Cleaner steel enhances **fatigue life**. Optimised heat treatment increases **wear resistance** and helps **protect against shock and acceleration**. For the most difficult applications, case-hardened steels can handle even the most adverse conditions.

## Enhanced Raceway and Roller Profiles

Uniform stress distribution along the full roller contact length **minimizes wear**, reduces sensitivity to misalignment and helps **bearings last longer**. Profiles can be optimised for heavy loads, significant misalignment or both.

## Performance Density

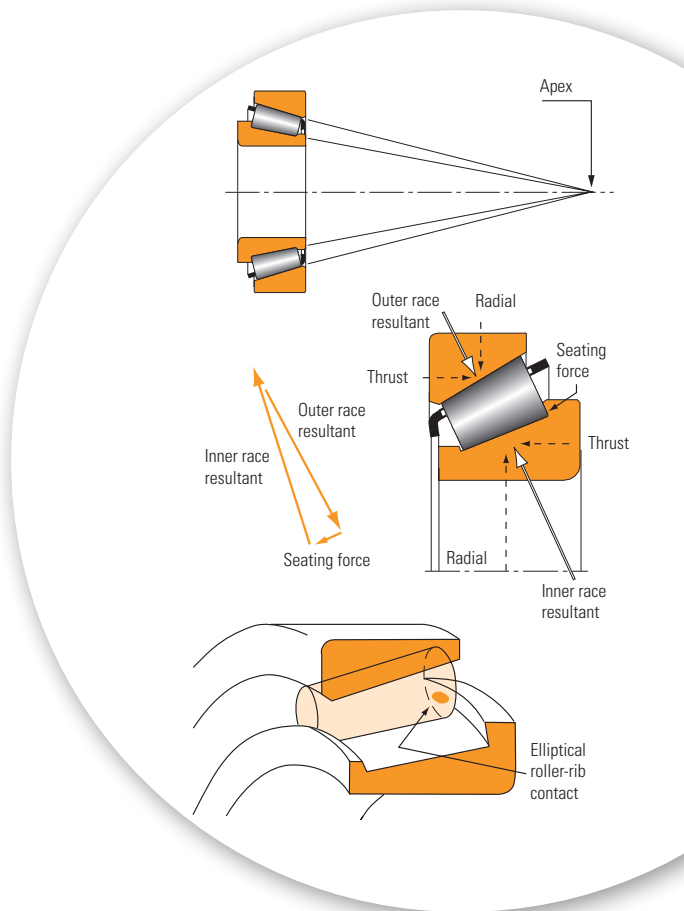
Continuous improvements in design, manufacturing and materials translate into either **smaller, lighter bearings**, **heavier load carrying capacity** or **longer predicted useful bearing life**.

## True Rolling Motion

Designed according to geometrical law, the extensions of the raceways and the rollers meet at a common point on the bearing axis. True rolling motion allows for **higher speeds** with **minimum roller skewing or skidding**.

## Positive Roller Alignment

A seating force pushes the rollers' spherical ends against the race rib. This prevents rollers from skewing through positive roller alignment, thereby enhancing **bearing life**, **stiffness** and **accuracy**.



Increase performance, reduce downtime and extend maintenance intervals.

Invest in a product  
designed with  
you in mind.

# 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, belts, chain and related mechanical power transmission products and services.

[www.timken.com](http://www.timken.com)

**Stronger. By Design.**