

**TIMKEN**

**CONSISTENT  
GLOBAL BEARING  
QUALITY**





WHY IT'S

**TIMKEN**

EVERYWHERE IN THE WORLD

Long before many companies began their global expansions, The Timken Company had already been manufacturing in world markets for nearly a century.

From the start of our international operations until the present day, customers have counted on this straightforward fact regarding the quality of our products: ***Timken has one – and only one – worldwide quality standard.*** Regardless of where a part is produced, it must meet precisely the same demanding tolerances and standards.

In addition to assuring customers of constant and consistent Timken product quality, this philosophy provides complete component interchangeability. A customer can purchase an outer ring produced in one country and confidently combine it with the inner ring and rollers made in Timken facilities in any other country.



MADE THE SAME

**EVERYWHERE**

IN THE WORLD

Nearly 50 Timken facilities around the world produce thousands of different product sizes and styles, including tapered, spherical and cylindrical bearings and housed units. The design, production and assembly data for those bearing products are shared globally via our centralized database. Every Timken designer, process and application engineer, and manufacturing employee draw from the same, common online standards, whether they are in Gaffney, South Carolina or Chennai, India.

Having a single, unified set of specifications simplifies the process of evaluating our manufacturing processes. ***Every plant measures its performance against the same specs, and every machine certainly meets our Capability Policy for quality and consistency.*** We check existing production equipment routinely and test each piece of new equipment to verify its ability to manufacture product that meets our specifications.



TRAINED THE

**SAME**

SO THEY ARE MADE THE SAME

Our production assets are operated by qualified and capable Timken manufacturing associates who are dedicated to delivering consistent quality. We rely on standardized programs to identify and deliver the training needed to ensure that every manufacturing employee knows how to perform all job functions, including those related to maintaining consistent product quality. ***Not a one-time training course, Timken requires employees to stay current on changing standards and improved quality procedures.***



A GLOBAL MEASUREMENT

STANDARD



To live up to our promise of product dimensional consistency, we must first achieve consistency in our measurement systems. Our precision-gauging system employs Measurement System Analysis to verify accuracy and consistency. This process, in conjunction with our worldwide master calibration system, makes it possible to measure product to a remarkable level of accuracy and consistency.

## MADE TO A SINGLE QUALITY STANDARD

The global quality standards in place in all our design and manufacturing facilities ensure that every component, assembled bearing and related product purchased by customers is made to a uniform level of quality. ***These standards are applied in every plant, without exception.*** We verify adherence through regular audits of our processes, quality systems and finished products.

We have literally helped set the industry standards for bearing quality. While our main focus is establishing standards to ensure consistent quality for our own products, we've also played an active part in developing standards for both the American Bearing Manufacturers Association and the International Organization for Standardization (ISO).



CONSISTENT STEEL

ASSURES

CONSISTENT PERFORMANCE

The life and performance customers expect from Timken bearings depends to a great deal on the quality of the steel used. To meet our demand for clean, bearing-quality steel, we started operating our own steel mill in the mid-1920s and have been perfecting how we make our own steel ever since. Our metallurgists and steelmaking experts have decades of experience working cooperatively with bearing designers to optimize steel grades and physical properties for bearings. ***No one knows more about bearing-quality steel than Timken.***

Customers in the U.S. are likely to buy bearings made with steel produced in one of our two steelmaking facilities. For some bearings produced in the U.S., and most bearings produced outside the U.S., we purchase steel from carefully qualified providers. They must successfully pass our Supplier Quality Assurance approval process and meet our stringent proprietary steelmaking specifications. Timken scientists conduct metallurgical and ultrasonic testing on both the raw materials and the finished bearings to verify that the material meets our standards for chemistry, cleanliness, case hardness and depth.



THE MARK OF

CONSISTENCY

The Timken brand name is registered in countries around the world. ***Only genuine Timken products earn the right to feature our brand.*** When we acquire a new manufacturing facility, we only mark the product with the Timken name only after we thoroughly test and inspect all products from the new plant. Each plant must provide proof that it meets our global quality standards before earning the Timken name.

Customers know that only products able to meet our promise of performance and quality bear the Timken name.

A close-up photograph of a person's hand inspecting a polished, cylindrical metal part. The part is mounted on a lathe, with other similar parts visible in the background. The lighting is bright, highlighting the metallic sheen and the texture of the hand. The overall scene conveys a sense of precision and quality control in manufacturing.

THE VALUE OF GLOBAL

QUALITY

Maintaining this level of dedication to quality and consistency requires a significant investment. However, the added expense to protect the quality and trusted value of the Timken product is more than repaid in the higher level of confidence the buyer has that the bearing will provide outstanding performance, reliable operation and long life – traits that bargain bearings cannot guarantee.

In the early days of our company, founder Henry Timken said, ***“Above all, don’t set your name to anything you will ever have cause to be ashamed of.”*** It’s been more than 100 years since Henry made that statement, but it’s a philosophy that we continue to uphold today. Our most valued asset is our brand, and we continue to take the necessary measures to confidently tell customers that the quality of a Timken bearing is the same no matter where in the world it is manufactured or purchased.

# 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.

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