



## CONSISTENT GLOBAL BEARING QUALITY

### WHY IT'S TIMKEN EVERYWHERE IN THE WORLD

From the start of our international operations until now, customers have counted on **one worldwide quality standard from Timken**. 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 and supplier 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 for the same part made in Timken facilities in any other country.



#### Made the same everywhere in the world

Timken facilities around the world produce thousands of different product sizes and styles, including tapered, spherical, cylindrical, ball bearings and mounted bearings. The design, production and assembly data are shared globally via our centralized database. Every Timken designer, process and application engineer, and manufacturing employee draw from the same, common standards.

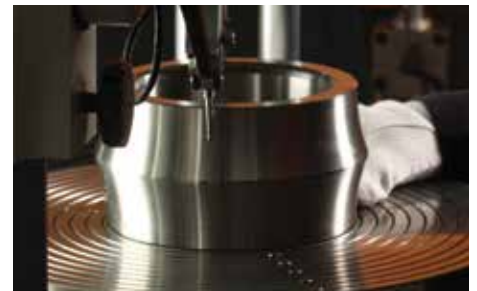
Our unified set of specifications simplifies the process of evaluating our manufacturing processes.

**Every plant measures its performance against the same specs, and every machine 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 knowledgeable and dedicated Timken manufacturing employees. We deliver appropriate training to ensure every manufacturing employee knows how to perform all job functions, including those related to maintaining consistent product quality. **Our employees 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 of 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.*** We verify adherence through regular audits of our processes, quality systems and finished products. We engineer new parts for OEMs and use this experience to create strict testing standards that all our products and suppliers meet.

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 (ABMA) and the International Organization for Standardization (ISO).



## Consistent steel assures consistent performance

The life and performance customers expect from Timken bearings relies a great deal on the quality of the steel used.

### ***We purchase steel from carefully qualified providers.***

They must successfully pass our Supplier Quality Assurance approval process and meet our stringent specifications. Our 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, cleanness, case hardness and depth.



## The mark of consistency

Before products earn the Timken brand name marking, we thoroughly test and inspect the product, and our plants must provide proof that its products meet our global quality standards.

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



## The value of global quality

When you invest in Timken bearings, you gain added value and confidence in knowing the bearings will provide outstanding performance, reliable operation and long-life.

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 bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

**Stronger. By Design.**

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