



## TIMKEN® TAPERED ROLLER BEARINGS

**MAXIMIZED SYSTEM DESIGN. LONGER BEARING LIFE. PREMIUM TECHNICAL GUIDANCE AND SUPPORT.**

Timken® tapered roller bearings excel when applications are demanding, conditions are unforgiving and downtime is not an option. Known for durability, efficiency and reliability, they improve equipment performance and reduce downtime and maintenance costs.

We are *the* recognized global leader in tapered roller bearings. Our value goes beyond what we make – it's what we know. As a Timken customer, you gain access to more than 120 years of tapered roller bearing know-how and expertise.

### GAIN SOLUTIONS THAT GIVE YOU:

**Customized resources, services and support from the most knowledgeable team in the industry.**

We don't just make tapered roller bearings, we *know* them – along with the applications and systems in which they're used. From application and design engineers who develop bearing solutions to service engineers who diagnose and troubleshoot issues on the frontlines, we're your source for problem solving and product support – wherever you're located.

**Globally consistent product.**

Our global design and quality standards enable us to produce and deliver high-performance products anywhere in the world, resulting in consistency and reliability.

**Tailored product solutions.**

We leverage the latest material science technology, manufacturing and innovation to design and produce the right products for your application.

**Regional availability.**

Through our global business and manufacturing and quality systems, we aim to have consistent supply and deliver products on time. Our highly responsive regional customer service is backed by our global supply chain systems to help deliver your product to the right place at the right time through the market cycle.

### PRODUCT ADVANTAGES

- » **Maximized system design with the broadest product offering on the market.** Find the *right* bearing to fit your application. From single- to double- to four-row arrangements in inch and metric design options, you can choose tapered roller bearings from 8 mm bore to 3 m bore in thousands of product configurations.
- » **Power-dense features that help improve performance.** Our tapered roller bearings are made with various angles and roller lengths to provide a wide range of radial and thrust capacities that optimize envelope size, minimize weight and improve your system efficiency.
- » **Technical enhancements that improve system efficiency and optimization.** If you have specific requirements for your bearings, like higher capacity or quieter operations, we offer custom design and manufacturing solutions. From materials – including case-carburized and through-hardened steel – to coatings, we offer enhancements that can help ensure your operations perform at their best.

### A SMART SOLUTION FOR:

- » Axle centers
- » Final drives
- » Power take-offs
- » Pulverizers
- » Roll necks
- » Sheaves
- » Top drives
- » Gearboxes
- » Wheel ends

# MAXIMIZE YOUR APPLICATION PERFORMANCE WITH TIMKEN'S DESIGN CAPABILITIES

We are the industry leader in designing tapered roller bearings into a wide range of applications. We've been testing our products at our world headquarters and global testing centers for more than 60 years to understand how they've improved over time. We then apply what we learned into our analytical tools to estimate performance data. This allows us to provide you with:

- Best-in-class engineering support, bringing a more detailed product analysis to you on a regular, routine basis.
- Products that are tested and analyzed under specifically defined or controlled conditions using proprietary analysis tools, which helps to predict how they will perform under specific conditions.
- Customization and optimization for our premium product offering based on your unique needs and challenges to ensure the best-possible performance.
- Online and in-person support to help recommend the right tapered roller bearing solution for your application or application system. We can bring enhancements when it's necessary to meet an application challenge.

## NOMENCLATURE

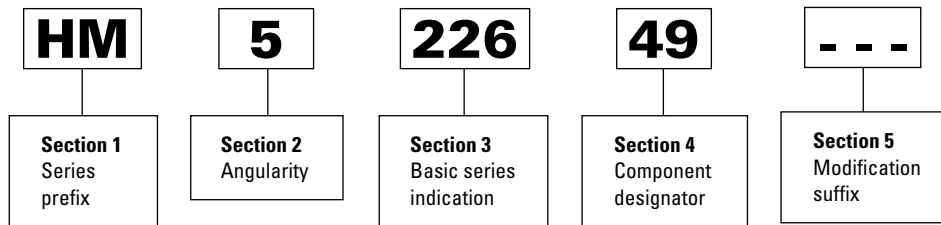


Fig. 1. ABMA inch part numbering nomenclature.

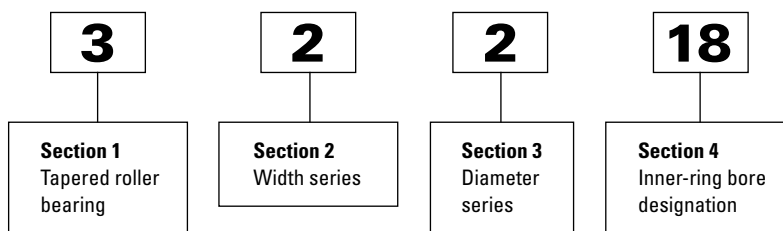


Fig. 2. DIN 720 metric part numbering nomenclature.

# 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 power transmission rebuild and repair services.

**Stronger. By Design.**

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