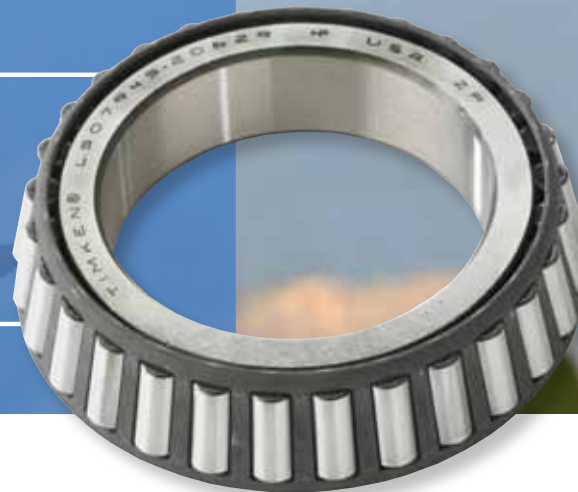




**TIMKEN**

# THOUSANDS OF SMOOTH LANDINGS WORLDWIDE EVERY DAY

Today's high-tech landing wheel designs require components that withstand high accelerations and decelerations, heavy loads and an extreme range of temperature and environmental conditions. That's why Timken® 629 code tapered roller bearings are specified by most landing wheel manufacturers.



## WHY YOU SHOULD USE 629 PERFORMANCE CODE BEARINGS

In cooperation with leading wheel and brake manufacturers around the globe, Timken designed enhanced bearings to meet aircraft landing wheel application requirements. These advanced bearings boost application performance through tightened tolerances and accommodate the repeated spike loads of jumbo jets during landing. The standard configuration for current and new landing wheel applications is Timken 629 code enhanced bearings.

Timken marks these bearings with "20629" (inch) or "N0629" (metric), signifying that they are designated and manufactured for aircraft landing wheel applications. In most commercial applications, Timken holds Part Manufacturer Approval (PMA) from the Federal Aviation Administration (FAA). The FAA/PMA bearings use the same design, material and manufacturing processes as the original equipment product.

## CRITICAL APPLICATION SOLUTIONS

Timken engineers solutions for its customers to improve performance in critical applications. Because of the company's material, design and production, Timken® 629 code tapered roller bearings for aircraft landing wheels set the industry standard.

Timken bearings help wheel manufacturers improve:

- Performance
- Safety
- Reliability
- Product life

These bearings meet the stringent performance demands of large commercial transports or small private airplanes.

## AIRCRAFT LANDING WHEEL BEARING MAINTENANCE TRAINING

For overhaul shops, Timken's Aircraft Landing Wheel Bearing Maintenance Manual, details standardized aircraft landing wheel bearing inspection and maintenance procedures. It's based on more than 75 years of field-tested application knowledge. The manual provides operators important information to assist them in evaluating and maintaining their landing wheel bearings.

The manual is included in Timken's extensive training designed for the overhaul shops that handle landing wheel bearings. The training is held upon request at customer locations all around the world, and conducted by qualified and experienced Timken service engineers who specialize in aircraft landing wheels. The training includes a review of shop procedures with hands-on instruction about best practices for:

- Bearing removal
- Bearing storage
- Cleaning and inspection
- Lubrication
- Installation
- Setting/adjustment

## LET US HELP

Interested operators can send an email to [service.engineering@timken.com](mailto:service.engineering@timken.com) to set up a training class or visit [Timken.com/ALW](http://Timken.com/ALW) to order a manual and learn more about Timken's aircraft landing wheel bearings.

*Due to the specialized nature of this training, there is a limit of 20 students per session.*



## PRODUCT SPECIFICATIONS

- Timken is an authorized FAA Production Approval Holder (PAH) for aircraft landing wheel bearings
- 629 code bearings are standard for current and new applications
- Engineered surfaces are available to extend wear, reduce fatigue and improve frictional performance



In most civil applications, Timken holds Parts Manufacturer Approval (PMA) from the U.S. Federal Aviation Administration for aircraft landing wheel bearings.

For a complete listing of Timken's FAA-approved applications, and eligibilities, and authorized distributors, see [Timken.com/PMA](http://Timken.com/PMA).

**FOR MORE INFORMATION ON AIRCRAFT LANDING WHEEL BEARINGS, CONTACT AN AUTHORIZED DISTRIBUTOR OR TIMKEN REPRESENTATIVE.**

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