TIMKEN



Engineered Bearings for Commercial Vehicle Aftermarket

Maximize vehicle performance and uptime with Timken

The success of your operation depends on reliable equipment and the components that keep commercial vehicle fleets moving.

At Timken, we support professional technicians and do-it-yourself installers through our authorized channel partners with products and technical resources designed to maximize vehicle performance and uptime.

We have been the designer and manufacturer of the most popular wheel bearings for over a century. From medium, linehaul, transit, to severe-duty, we offer an extensive line of aftermarket products engineered to help fleets operate more reliably and efficiently. Our line of aftermarket products for wheel ends includes Timken® tapered roller bearings, fuel-efficient bearings, Set-Right® bearings, Timken® 454-Series™ tapered roller bearings and commercial vehicle seals.

Effective Solutions For:

- Wheel ends

Timken Advantages

- **Performance.** We have decades of experience designing fuel-efficient, power-dense bearings – and a tradition of performing when others aren't up to the task.
- **Quality.** With Timken, you can expect products that are tested, proven and consistent. Our bearings are made to the same quality and engineering standards – no matter where in the world they are manufactured.
- **Technical Support.** We provide in person and an online training program – Timken Tech Tips – for professional technicians.

Gain Solutions That:

Extend bearing life.
Timken tapered roller bearings have enhanced internal geometries to distribute load and minimize bearing stresses, increasing bearing load ratings in a power-dense package.

Reduce misalignment.
Timken bearings are manufactured with tight tolerances, helping you set your bearings consistently while reducing wear.

Improve fuel efficiency.
Timken fuel-efficient bearings have advanced finishing processes, which generate smoother surface finishes on races and rollers to reduce friction – helping you save on fuel and support your sustainability goals.

Simplify installation.
With tighter tolerances, Timken tapered roller bearings are designed to ease bearing assembly into the application. We provide solutions that offer quicker wheel-end adjustment, allowing more efficient technician training to achieve consistent and repeatable bearing setting.

An Ideal Fit for Commercial Vehicle Applications

Wheel Ends

Application Conditions	Damage Mode	Timken Solution	Use Advantages
Heavy loads	System deflection and spalling	Timken® 454-Series™ Wheel Bearings 	Designed for heavy loads riding on wide-single or dual tires
Ease of setting	Water and dirt contamination to the bearing	Package bearing solutions 	Pre-greased, pre-set, sealed bearing
Loss of lubrication and contamination	Pre-mature bearing damage	Timken® commercial vehicle seals 	Minimizes lubricant loss and bearing contamination
Loss of lubrication and contamination	Pre-mature bearing damage	Timken® commercial vehicle hubcaps 	• More reliable service • Simplified product selection and stocking
Technician knowledge and efficiency	Incorrect installation resulting in premature component failure	Tech Series Training 	• Knowledge that helps you do the job right the first time • Available on-demand • Minimizes lubricant loss and bearing contamination

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The Timken Company partners with customers to design and manufacture advanced motion technology systems and components for critical end markets including aerospace and defense, power and electrification, and automation and industrial solutions. With more than 125 years of specialized engineering expertise, we power performance across the application lifecycle.

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