



Hub Components

Designed and manufactured to extend the life of your hub assemblies





Spindle Nuts

Exclusively for PreSet® & PreSet Plus® Hubs.



ConMet spindle nuts simplify hub installation, provide infinite adjustability, and improve clamp load.

Taking spindle nuts to the next level

ConMet is known throughout the transportation industry for innovating superior wheel end solutions. We've developed technologies to aid hub installation, ensure proper alignment, and reduce damage to components during assembly, and now we've developed our own spindle nuts for use with PreSet® and PreSet Plus® hubs.

Installation is a snap

ConMet spindle nuts make installation faster and easier, and aid the removal of the complete assembly for servicing (PreSet Plus only). They have improved safety features and require no adjustment to engage the locking ring. Our spindle nuts save you time during hub installation and removal, making sure everything is aligned properly before your vehicle hits the road.

Superior clamp load retention

Our spindle nuts are designed with optimized contact area to improve clamp load retention. They retain clamp load on the bearings, which, in turn, hold the hub in place. Once the locking ring is in place, it cannot loosen. And what's more? ConMet spindle nuts lock in any position giving you the perfect fit – every time.

You know you've got the best

Not only is our spindle nut an improvement over conventional nuts in terms of safety and maintenance, but it also identifies ConMet as the manufacturer, so you know you're working with the very best wheel end components in the industry.

Lock Ring

Easy-to-install lock ring provides superior lock strength and helps identify the hub assembly as either PreSet or PreSet Plus.

Nut

Optimized contact area on the nut improves clamp load retention.

Lock Washer

Hardened and ground surface provides optimal contact between nut and bearing.

Socket Sizes for PreSet/PreSet Plus Spindle Nuts

Hub Type	FF Flat	FF Keyway	FL	R	TN	TP
Socket Size (6 Point)	2"	2"	2.75"	3.75"	3.125"	4"

WARNING: ConMet spindle nuts are designed to be used exclusively on PreSet and PreSet Plus hub assemblies. Do not use ConMet spindle nuts on hubs with manually-adjusted bearings and other non-ConMet hubs.

PreSet Plus® spindle nut assembly components

*Spiral snap ring is only available on PreSet Plus hubs and allows the nut to work as a hub puller when servicing the hub.



Spiral Snap Ring*



Lock Ring



Nut

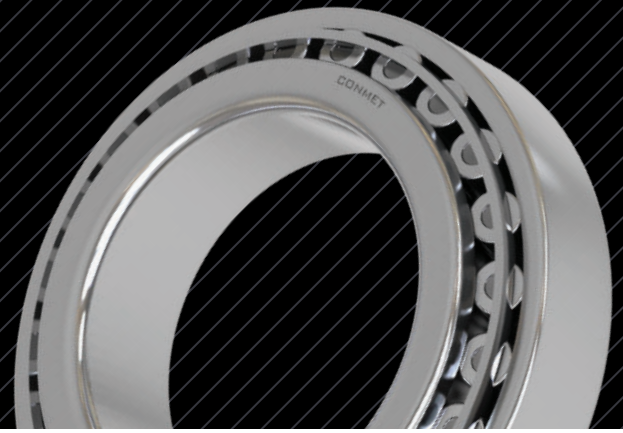


Lock Washer



Wheel Bearings

Designed to perform better and last longer.



Engineered tapered roller bearings are manufactured for improved durability and extended life.

Commercial vehicle operators in North America continue to demand more reliable, longer-life components at a price that offers better value. Utilizing innovations in both design and manufacturing, ConMet has developed its own line of wheel end bearings to meet this market demand. ConMet bearings are engineered to extend service life and help prevent field issues in the most demanding applications in the industry, including wide-based single wheels and misalignment due to spindle wear and disc brakes.

Features of ConMet Bearings:

- ▲ Extended life over standard bearings
- ▲ Lower operating temperature and improved lubrication
- ▲ Optimized contact and reduced stress concentration
- ▲ More effectively withstands heavy cornering and misalignment
- ▲ Improved rolling contact and reduced friction

Improved Bearing Life

ConMet bearings offer longer life over standard bearing designs in applications where the duty cycle, operating environment, and road conditions are unpredictable and in some cases more severe.

Surface Finish

The highly-controlled honed surface finish provides a 40% improvement over current industry standards. The surface finish improvements result in superior rolling contact and reduced friction leading to lower operating temperatures and increased lubrication.

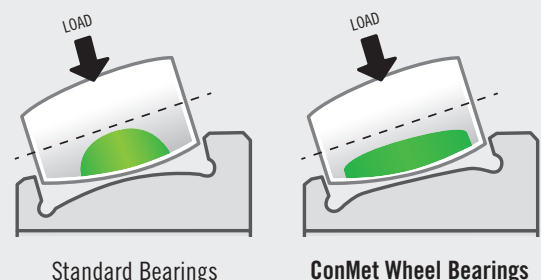
Manufacturing Process

Internal geometry is rigorously controlled by state-of-the-art equipment. Each bearing must pass a fully automated inspection before it leaves the factory. Tighter control over geometry and inspection procedures results in a smoother operating and more efficient bearing.

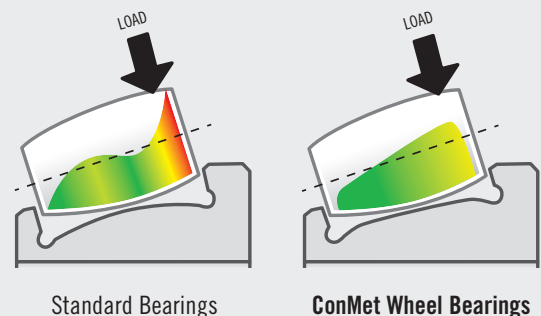
Profiles

Precisely engineered profiles minimize bearing raceway and roller stresses under heavy loads, and better utilize the roller length under light loads. The reduction of stresses at the roller ends reduces the sensitivity of the bearing to heavy cornering and misalignment.

Bearing stress under NORMAL conditions



Bearing stress under EXTREME conditions





Wheel Seals

Superior protection and durability.



With ConMet wheel seals, performance stays in. Contaminants stay out.

Developing a superior seal

ConMet is known throughout the transportation industry for innovating superior wheel end solutions. We've developed technologies to withstand harsh road conditions, poor weather, and frequent braking, plus we know the vital role wheel seals play in the overall protection of the hub. If a seal fails, you can be sure that vehicle downtime and expensive repairs are not far behind. Damage to the seal during installation is the most frequent cause of premature seal failure. In order to avoid installation damage and ensure your hubs operate at optimal levels, you need the best seals on the market.

Superior contaminant protection

The road can be a dirty place and contaminants like water, dirt, and grime are a wheel end's worst enemy. Our wheel seals are your first line of defense. With their multi-zone labyrinth design and low-friction barrier, contaminants can't get in, providing superior durability and protection against the elements.

Our specially designed multi-zone labyrinth creates superior protection and the wide inside diameter with rubber ribs ensures proper sealing capability. Our wheel seals keep harmful contaminants out and protective lubricants in, where they can work safely and smoothly.

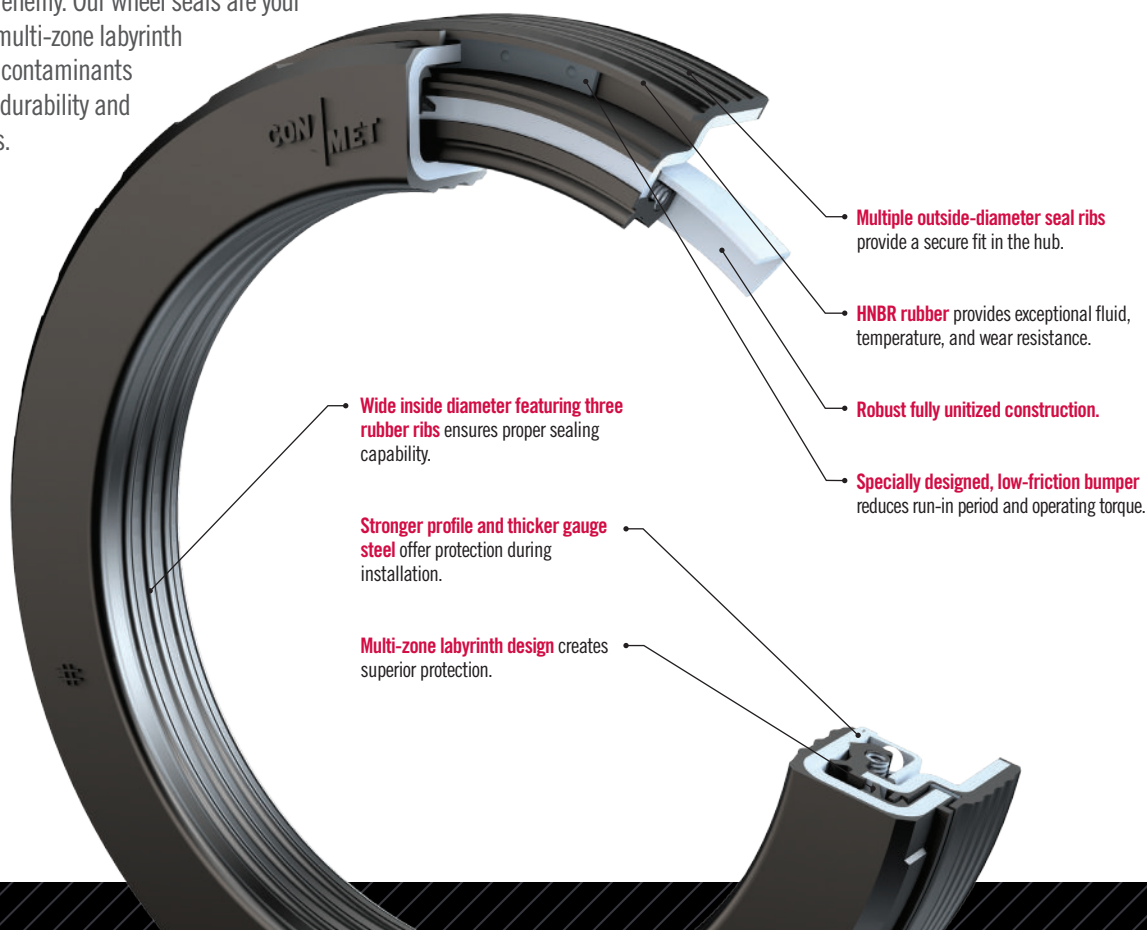
No special tools required

Our wheel seals use thicker gauge steel than other seals to help stand up to the pressures applied during

installation. Our specially designed low-friction bumper also reduces run-in period and operating torque. Plus, our seals are designed so you can use any conventional seal installation tool to install them, so the risks of damage during installation are virtually eliminated.

Exceptional wear resistance

Not only do our wheel seals protect against contaminants, but they are also designed to better handle the punishment of the road. Multiple outside-diameter seal ribs provide a secure fit in the hub and thicker gauge steel protects against internal damage during installation. The high temperature HNBR rubber provides exceptional fluid-resistance. The result is a seal that is expertly engineered for maximum functional life.





Service Kits

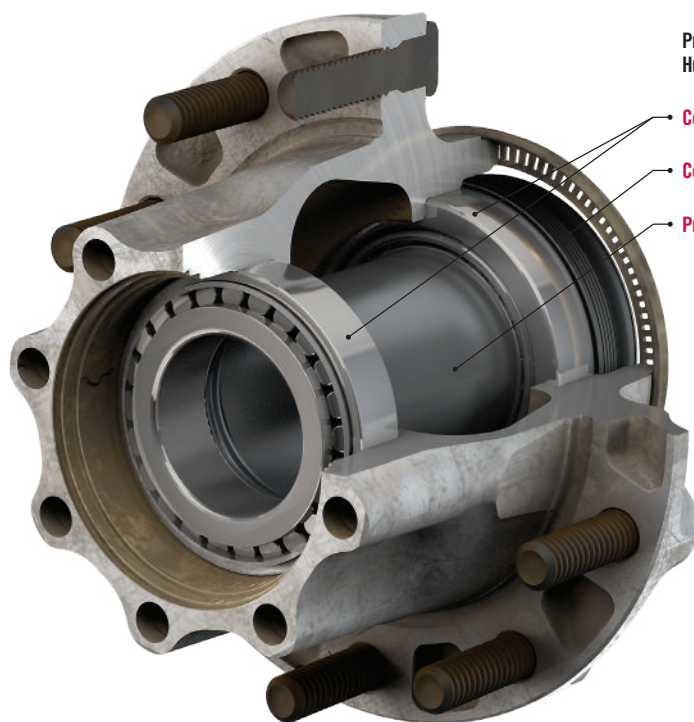
Return hubs to factory condition.



When it's time to service hub assemblies, choose original factory installed components available only in ConMet branded service kits.

Standard equipment for most OEMs

For those operating a commercial vehicle that was built in the last ten years, chances are that PreSet wheel hubs were installed as standard equipment. When it's time to service those hubs, why not opt for genuine PreSet rebuild kits and bring them back to their PreSet factory settings? It's an opportunity to press the reset button with less cost, labor, and downtime. And you can count on quality, long-lasting ConMet components in each kit.



PreSet® / PreSet Plus®
Hub Rebuild Kits include:

- ConMet Bearings
- ConMet Wheel Seal
- PreSet® Bearing Spacer

Fully serviceable and ready to rebuild

ConMet hubs are fully serviceable and built to last for the life of the vehicle. By rebuilding a hub with ConMet rebuild and service kits, it effectively makes old hubs as good as new. Use only official ConMet components for the longest possible service intervals.

Note: *3 Year limited warranty available when installed with PreSet or PreSet Plus Spindle Nut and warranty card is registered.



ConMet PreSet® / PreSet Plus® Seal & Spacer Kits
Kit includes ConMet wheel seal & PreSet bearing spacer.



ConMet PreSet® / PreSet Plus® Hub Rebuild Kits
Kit includes ConMet wheel seal & bearings and PreSet bearing spacer.



ConMet PreSet® Complete Hub Rebuild Kits
Kit includes ConMet wheel seal & bearings, PreSet bearing spacer, and PreSet spindle nut.



ConMet PreSet Plus® Complete Hub Rebuild Kits
Kit includes ConMet wheel seal & bearings, PreSet bearing spacer, and PreSet Plus spindle nut.

Find the perfect wheel end or component to fit your needs.



Find out more online at conmet.com/app

