

Hub and Rotor Assembly

PreSet Plus<sup>®</sup> Aluminum Hub

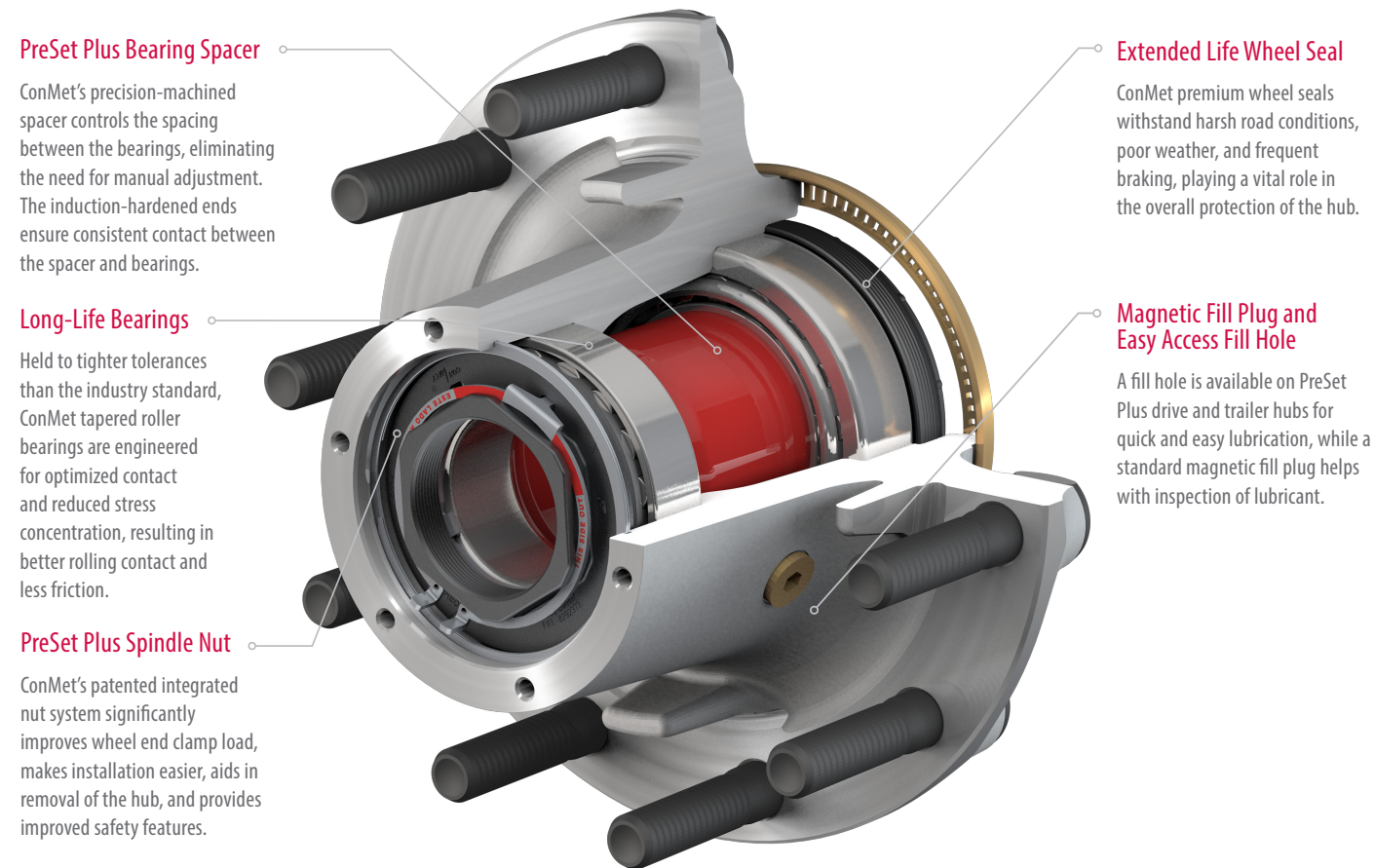
TruTurn<sup>®</sup> Brake Drum

# WHEEL END PRODUCTS

PreSet Plus Hub Assemblies | Hub & Rotor Assemblies | TruTurn Brake Drums | Hub Components

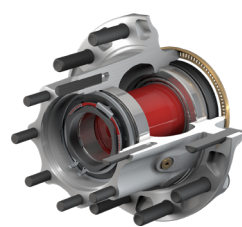
# PRESET PLUS®

The most advanced wheel hub in the industry, the PreSet Plus hub assembly saves time and money with simplified installation, high performance, and low maintenance.

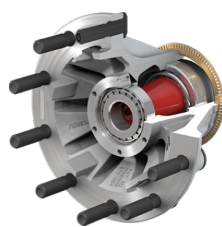


## ConMet Offerings

- ▶ Steer, drive, and trailer applications
- ▶ Heavy-duty and medium-duty applications
- ▶ Available with lightweight aluminum or cost effective iron hubs



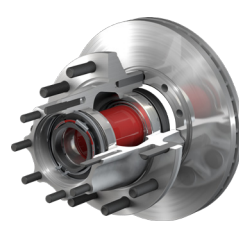
Aluminum Drive



Aluminum Steer



Iron Trailer



Aluminum Hub and Rotor



Aluminum Hub and Drum

These are a representation of options offered.

# REPLACE AND SAVE

Instead of rebuilding a hub, install an OEM-approved PreSet Plus hub assembly.

No more worrying about procuring, shipping, tracking, and paying for individual wheel end components. ConMet aftermarket PreSet Plus hub assemblies come fully assembled and ready for quick installation. All new components, including the seal, bearings, wheel studs, and ABS ring, ensure wheel ends are OEM-approved for optimum safety and reliability.

## Maximize Uptime

By replacing wheel ends with PreSet Plus hubs, fleets can save hours compared to the time it would take to rebuild the same hub. Vehicles are back on the road faster, reducing vehicle downtime and freeing up service bays for other maintenance and repairs.

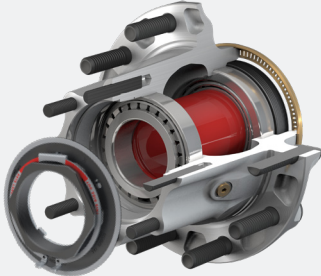

## Reduce Service Complexity

Rebuilding a hub is a complex process that requires the replacement of at least the bearings and wheel seal, and manually adjusting the end play. When armed with the proper parts, tools, and understanding of the service requirements, a qualified technician still needs several hours to do a thorough job. However, by simply replacing the hub with a PreSet Plus hub assembly, labor costs are greatly reduced. Operators simply slide the self-piloting, pre-assembled hub onto the spindle, install the PreSet Plus spindle nut (sold separately), engage the lock ring, and add lubricant.

## Best-in-class Support and Warranty

All products are supported by ConMet's dedicated and experienced field sales and service organization.

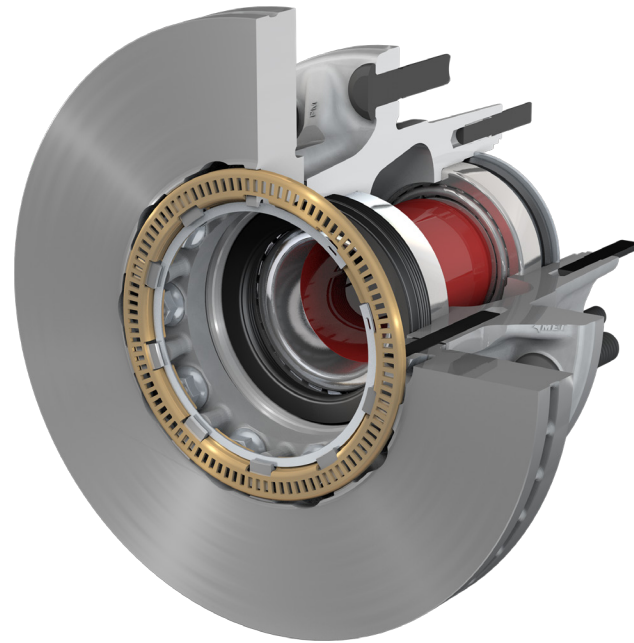
- ▶ PreSet® aftermarket hub assemblies, including all components, carry a three-year/350,000-mile limited warranty
- ▶ Extended warranty of five-year/500,000-mile by upgrading to a PreSet Plus hub assembly with the PreSet Plus spindle nut

| Replaced Hub VS Rebuilt Hub   |   |                                     |   |
|---|---|-------------------------------------|---|
|  | <input checked="" type="checkbox"/> New Bearings and Seal                 | <input checked="" type="checkbox"/> |  |
|   | <input checked="" type="checkbox"/> All New Components and Casting        | <input type="checkbox"/>            |   |
|   | <input checked="" type="checkbox"/> Pre-adjusted Bearings                 | <input type="checkbox"/>            |   |
|   | <input checked="" type="checkbox"/> Quick Installation                    | <input type="checkbox"/>            |   |
|   | <input checked="" type="checkbox"/> Increased Uptime                      | <input type="checkbox"/>            |   |
|   | <input checked="" type="checkbox"/> Reduced Labor Cost/Service Complexity | <input type="checkbox"/>            |   |

# HUB AND ROTOR ASSEMBLIES

Combining proven PreSet Plus® hub technology with high performance disc brakes.

- ▶ ConMet's PreSet Plus hub and rotor assemblies are available for all axle positions in iron or aluminum
- ▶ PreSet® and PreSet Plus assemblies are the most advanced hub and rotor systems on the market
- ▶ Each rotor is precision-machined for top performance, preventing brake pulsation and ABS signal issues
- ▶ Extensive testing, including thermal and mechanical analysis and high torque testing, ensures reliability and durability



# TRUTURN®

Inherently balanced for longer life and improved braking, the TruTurn brake drum is the better option both inside and out.

- ▶ TruTurn brake drums are precision machined inside and out, which improves drum strength by eliminating the need for weld-on weights and balance cuts
- ▶ Not only are these drums stronger, but they offer better thermal expansion for reduced brake pulsing, and improved heat transfer so the drum and its lining stay cool
- ▶ With each stop, TruTurn brake drums maintain lower temperature, extending durability and improving brake performance

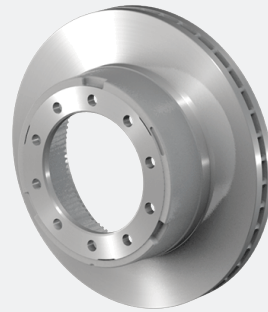


## Available Rotor Types



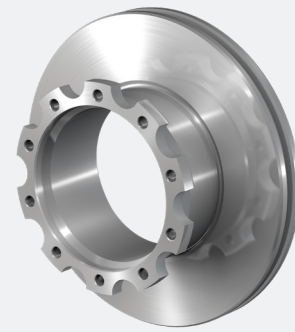
**Flat Rotor**

ConMet's exclusively designed flat rotor is an affordable, lightweight solution for heavy-duty applications. Available as coated option.



**Hat Rotor**

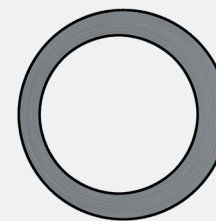
With a unique compact design, hat-shape rotors are best suited for medium-duty applications.



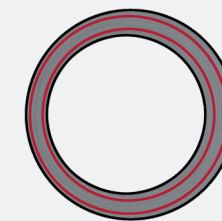
**U-shape Rotor**

The U-shape rotor, with its high torque capacity, is the industry-proven standard for heavy- and severe-duty applications.

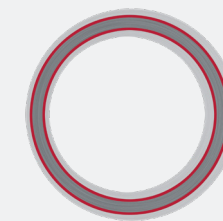
## How We Make a TruTurn Brake Drum



Other drums can present deviations in wall thickness that would cause a drum to be unbalanced.



To make a drum true, it must be machined on both interior and exterior walls.



Machining removes the deviations without affecting the drum's strength.



The final result is an inherently balanced drum that is ready to install from the factory.

## Did You Know?

**2.5×**

PreSet Plus systems deliver over twice as much initial clamp load compared to competitors.

**150+**

Number of PreSet Plus applications available for common heavy-duty tractor and trailer axles.

**30M+**

Number of PreSet hubs currently on the road.

**1.3T+**

Total miles traveled on roads since PreSet Plus hubs were introduced in 2012.



# HUB COMPONENTS

Rebuild hubs with OEM-approved parts for superior performance and value.

If hub replacement is not an option, PreSet® and PreSet Plus® hub service kits allow you to reset your hubs to their PreSet factory settings. Individual aftermarket components for hub rebuilds carry a one year/100,000 mile warranty.

## PreSet Plus Spindle Nuts

PreSet Plus spindle nuts aid hub installation, ensure proper alignment, and reduce damage to components during assembly.

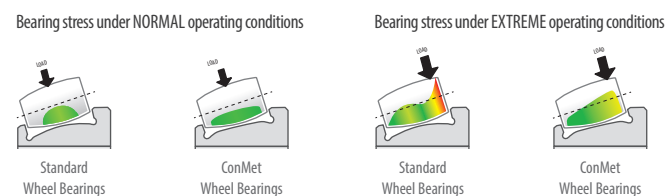
- ▶ Nut is designed with optimized contact area to improve clamp load
- ▶ Easy-to-install lock ring provides superior lock strength and helps identify the hub assembly as PreSet or PreSet Plus
- ▶ Spiral snap ring enables spindle nut to act as a hub puller for easy removal and maintenance of the hub
- ▶ Lock washer features hardened and ground surface for optimal contact between nut and bearing
- ▶ The only approved nut to be used with aftermarket PreSet Plus hubs



## Wheel Bearings

ConMet tapered bearings are manufactured for improved durability and extended life in even the most aggressive heavy-duty applications.

- ▶ Extended life over standard bearings
- ▶ Improved rolling contact and reduced friction
- ▶ More effectively withstands heavy cornering and misalignment compared to standard bearings
- ▶ Lower operating temperatures and improved lubrication
- ▶ Optimized contact and reduced stress concentration
- ▶ Available as cup/cone sets and as part of ConMet's aftermarket hub rebuild kits, including a wheel seal, PreSet bearing spacer, and wheel bearings



## Wheel Seals

ConMet's seals provide superior contaminant protection and exceptional wear resistance to ensure long-lasting performance.

- ▶ Multiple outside-diameter seal points provide a secure fit in the hub
- ▶ HNBR rubber provides exceptional fluid resistance
- ▶ Robust, fully unitized construction
- ▶ Specially designed, low-friction bumper reduces run-in period and required torque
- ▶ Wide inside diameter featuring three rubber ribs ensures proper sealing capability
- ▶ Stronger profile and thicker gauge steel offer protection during installation
- ▶ Multi-zone labyrinth design creates superior protection and low friction
- ▶ Can be purchased individually or as part of ConMet's aftermarket hub rebuild kit and seal and spacer kit



## Hub Rebuild Kit

ConMet aftermarket hub rebuild kits come with a proprietary wheel seal, PreSet bearing spacer, and proprietary wheel bearings.



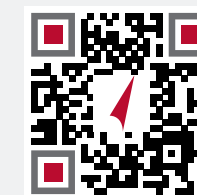
## Seal and Spacer Kit

ConMet aftermarket seal and spacer kits come with a proprietary wheel seal and PreSet bearing spacer.

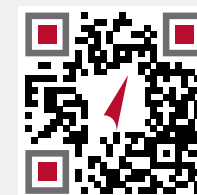
## Resources



**Aftermarket Products**  
Learn about the aftermarket products we offer.



**ConMet App**  
Helps you find, compare, and save on the parts you're looking for.



**Marketing Resources**  
Find a wide variety of aftermarket sales tools and service resources.

## ABOUT CONMET

ConMet, an Amsted Industries Incorporated company, is a leading global supplier of wheel hubs, structural aluminum castings, and interior and exterior plastics for the commercial vehicle industry. ConMet Aftermarket extends this legacy of innovation across the life cycle of trucks and trailers, providing products that address critical customer needs. By replacing with ConMet's PreSet® and PreSet Plus® products, the most advanced fully assembled wheel end systems on the market, fleets can get back on the road faster, increase uptime, and optimize operations.

ConMet is committed to creating products and services that align with critical customer needs. The development of more efficient products, processes, and technology that transform the way customers run and maintain their vehicles is central to ConMet's vision.

