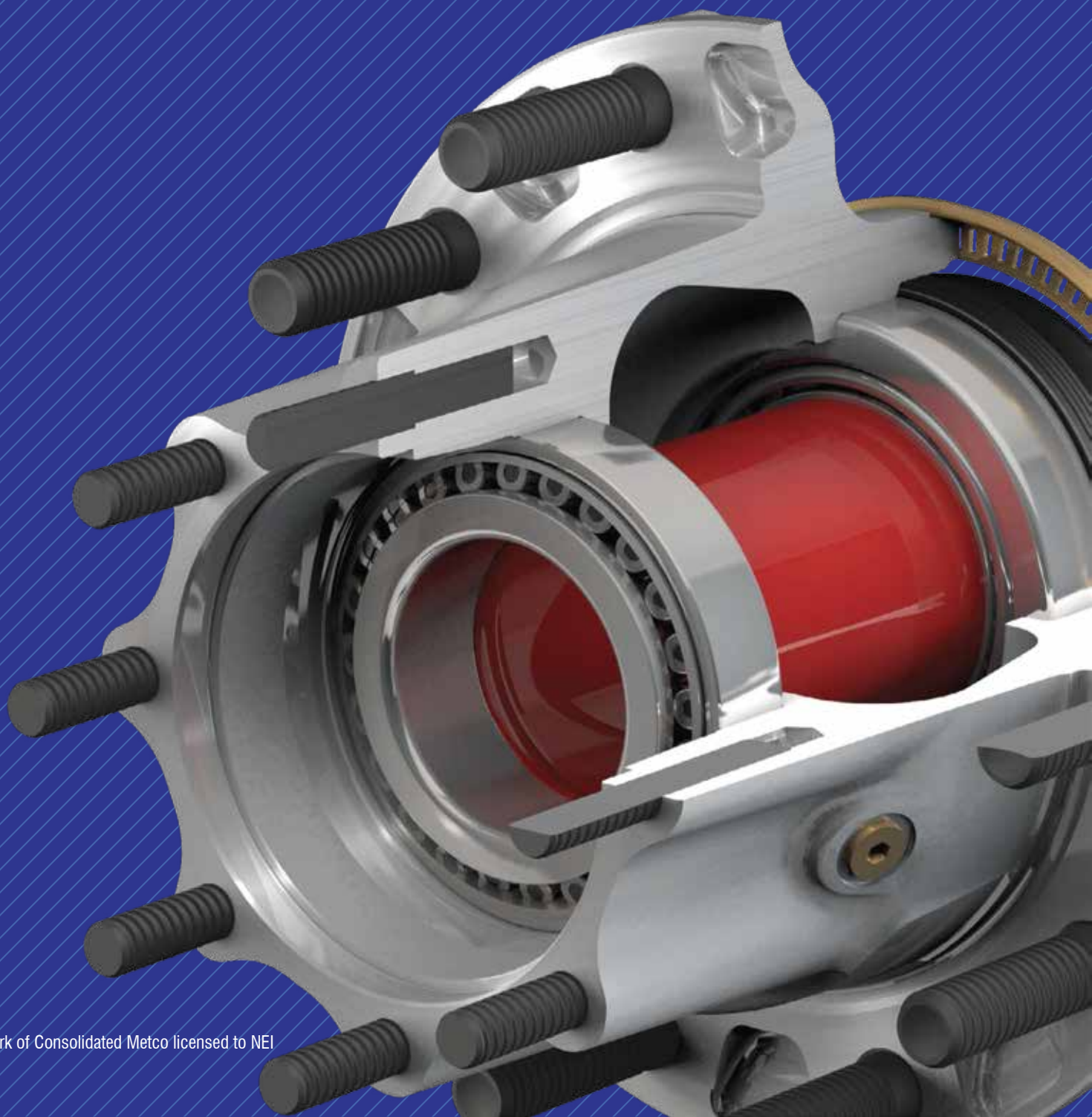


* PreSet[®] Hub Assemblies

The Higher Performance Hub Assembly



*PreSet[®] Hub Assemblies

The Higher Performance Hub Assembly

Presenting the all-new, revolutionary PreSet[™] Hubs

Introducing the state-of-the-art PreSet[™] Hub Assembly from NBC, in collaboration with Conmet (USA), the leader in vehicle component manufacturing. Now for the very first time in India, this technologically superior PreSet[™] Hub- with maintenance interval of 3,00,000 kms/3yrs (whichever comes first)- ensures that regular and costly servicing, replacement of parts and time consuming installation procedures are a thing of the past. Get the advantage of PreSet[™] Hubs today, and have a stress free tomorrow

PreSet Spacer provides a fixed, dimensional bearing adjustment

Our precision-ground spacers provide fixed, dimensional bearing adjustments, which are more precise than conventional hubs.

Fill hole simplifies installation of lubricants

PreSet hub assemblies come standard with fill holes, so lubricants of all types can be installed easily and efficiently.

Taper roller bearings deliver exceptional life

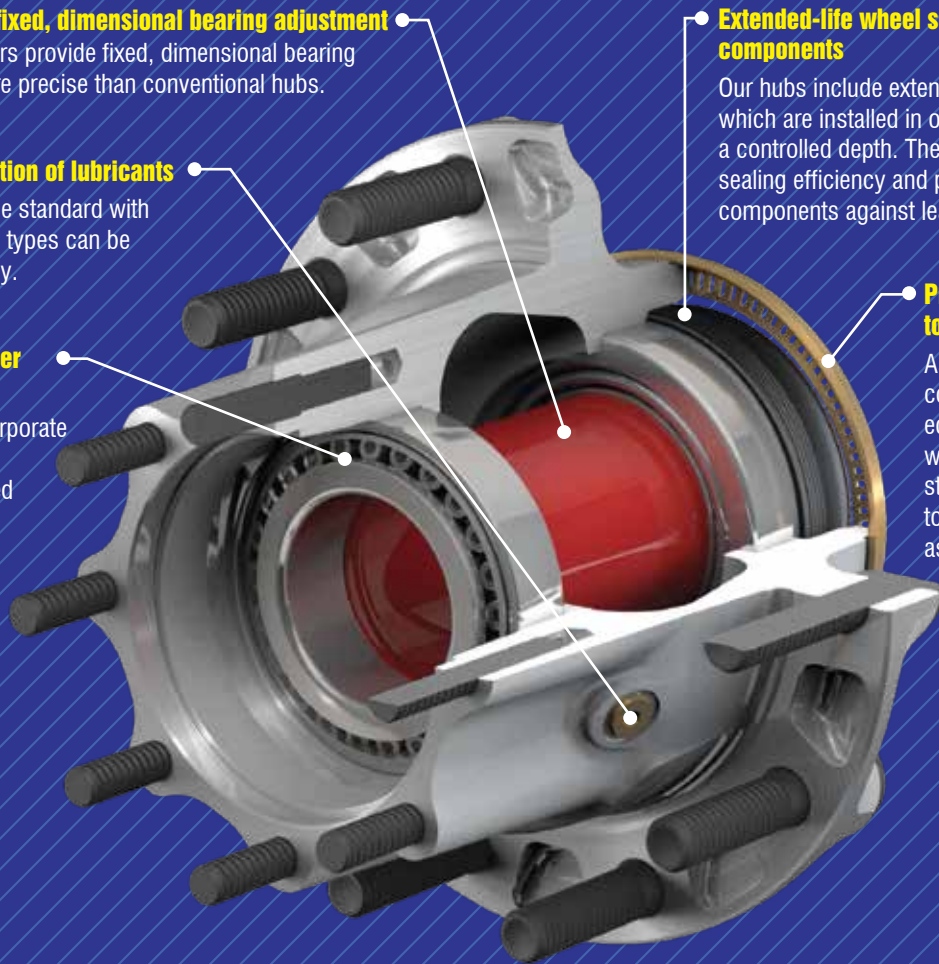
PreSet hub assemblies incorporate inner and outer taper roller bearings, which are designed with very special tolerances selected to extend the life of the bearings inside.

Extended-life wheel seal protects internal components

Our hubs include extended-life wheel seals, which are installed in our own factories to a controlled depth. They provide maximum sealing efficiency and protect internal components against leaks and contamination.

Precision-stamped tone ring (optional)

As an integral component for ABS-equipped vehicles, we install precision-stamped tone rings to our PreSet hub assemblies.



PreSet Aluminum Hub Assemblies are lightweight with less maintenance.

Our precision-machined, aluminum alloy hubs reduce weight and increase payload capacity. Maintenance is reduced with the superior dependability and performance of PreSet technology, saving you time and money. This combination of weight savings and lower maintenance improves overall vehicle performance and increases your profitability. PreSet Aluminum Hubs are available for steer, drive and trailer axles.

PreSet Ductile Iron Hub Assemblies cost less and require less maintenance.

PreSet Ductile Iron Hub Assemblies offer a cost benefit for applications in which weight is less of a concern. These hub assemblies provide the low maintenance, superior performance and greater dependability of PreSet technology, at a ductile iron price.



About ConMet:

Consolidated Metco (ConMet) USA, founded in 1964, is known throughout the heavy-duty truck and trailer industry for its expertise in developing lightweight, low maintenance solutions that enhance vehicle performance, improve fuel efficiency, and increase payload capacity. Today, ConMet ranks as the first choice for OEM design engineers and fleet executives

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*PreSet Hub Assemblies. The Smarter Choice.

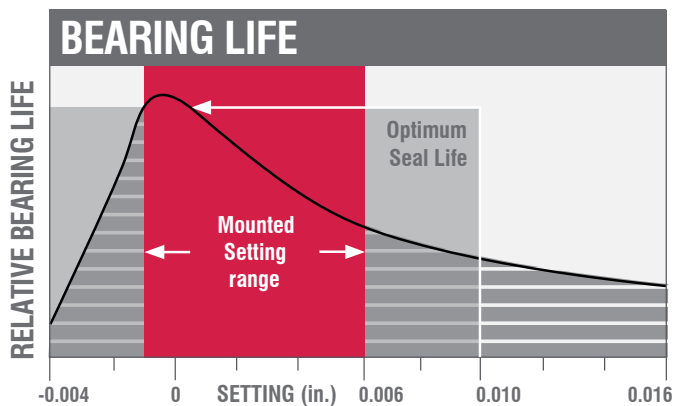
Our PreSet® Hub Technology is the industry standard for a reason, *it works.*

PreSet hubs are completely assembled at the factory.

We manufacture and assemble PreSet hubs inside our own factories, where quality control is monitored every single step of the way. Using state of the art machines and technology we achieve the very highest levels of precision. PreSet technology offers superior hubs that are completely assembled and ready for installation from the factory.

Conventional hubs leave room for error.

Conventional hubs require assembly and installation of many individual components, including bearings and seals, using imprecise hand tools. These additional steps require checking, adjusting and rechecking of tolerances, which add a considerable amount of time to the installation process. Incorrect installation can not only damage individual hub components, but even the hub itself, greatly affecting the lifespan and safety of the hub.



Precisely set bearing tolerances yield maximum bearing life.

Our hubs use pre-adjusted bearings.

PreSet hub assemblies use pre-adjusted bearing technology developed and perfected by our own engineers. Pre-adjusted bearings are set with greater precision than conventional bearings because we have full control over the assembly process. We carefully control all critical tolerances of the bearings in the hub with the use of a precision engineered spacer and proper calibration. This produces a ready-to-install hub with maximum life expectancy.

Conventional bearing settings are less precise.

Conventional bearings are set in shops by hand, using manual adjustments with far less accuracy. This can lead to an increased likelihood of miscalibration and misalignment in the hub assembly. As you can see in the chart (left), precise bearing settings have a direct correlation to the life of the bearing itself, and are essential for maximum service life.

PreSet hubs are simple to install and maintain.

With PreSet hubs, installation is incredibly easy. Operators simply slide the self-piloting, pre-assembled hub onto the spindle, torque the retaining nut and add lubricant. Not only do you save installation time with our hubs, but you can also service them in the field using conventional, readily available parts. No special tools, equipment or procedures are required.

Our hubcaps offer greater protection.

PreSet hubcaps use a stronger and more resilient gasket than conventional hubcaps, and they incorporate venting technology that is proven to shield hubs against moisture and other contaminants. Our hubcaps deliver additional protection you can feel confident about.



Choose the better hub assembly.

With proper lubrication, maintenance and regular inspections, PreSet hubs can keep your vehicle on the road, safely and efficiently, for miles and miles.

* PreSet Plus™ - the most advanced wheel hub in the industry.

With state-of-the-art design, superior components and low maintenance features, PreSet Plus is the complete package.

We took our industry leading PreSet® hub technology and improved it.

PreSet Plus hub assemblies have all the great features of PreSet plus we've incorporated our fully integrated spindle nut. The PreSet Plus integrated nut system significantly improves wheel end clamp load, makes installation easier, aids in removal of the hub for servicing and provides improved safety features. The PreSet Plus Spindle Nut is manufactured to ensure the very best quality and performance in the industry.

PreSet Plus hubs have an optimized bearing spacer.

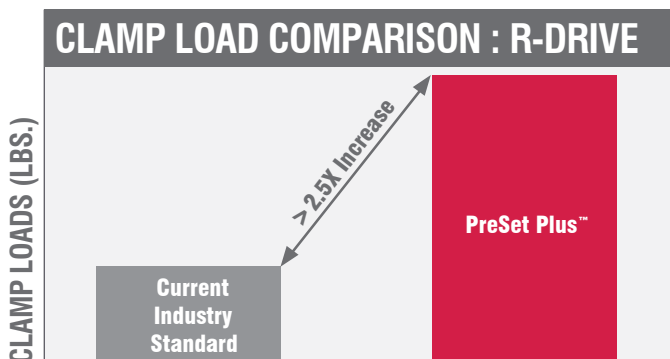
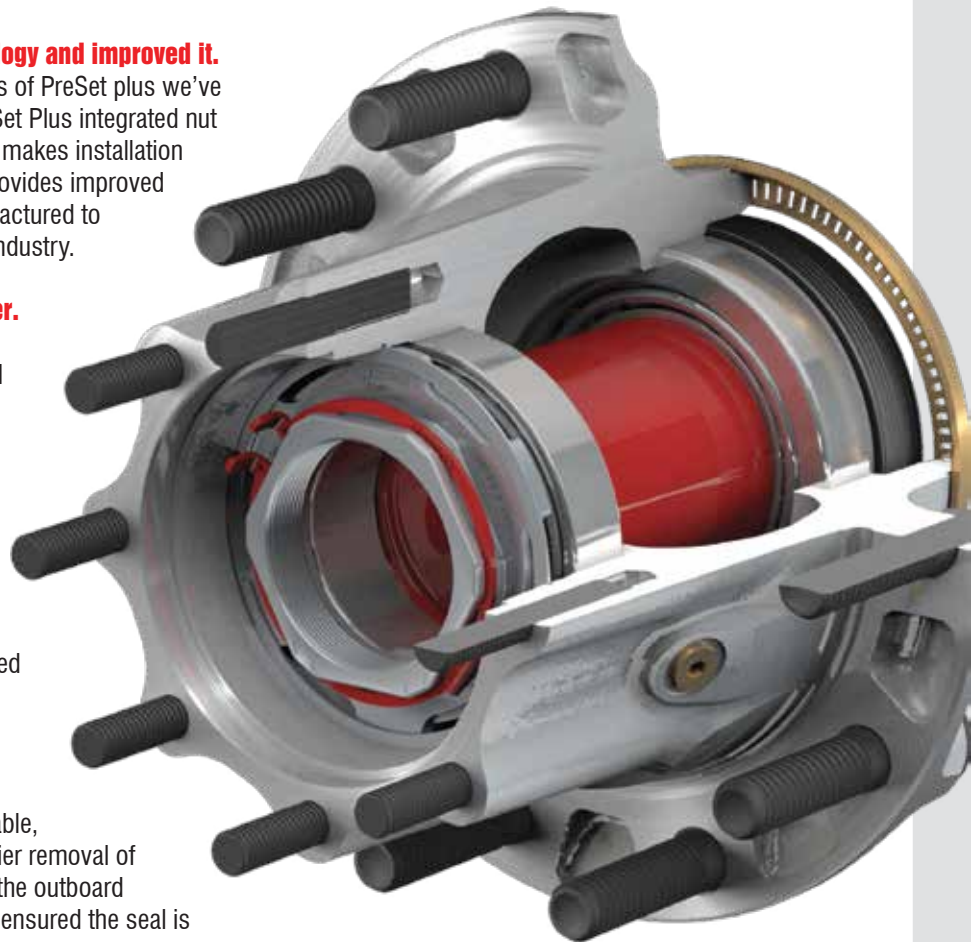
For PreSet Plus hub assemblies, we have added an enhanced bearing spacer which optimizes clamp load and maximizes performance and durability.

We added features the industry asked for.

PreSet Plus hubs incorporate our own spindle nut system, an optimized bearing spacer, and available NBC Premium Bearings. They come standard with a magnetic fill plug and a premium "Best in Class" seal and is available with NBC Premium Bearings. They are completely pre-assembled and ready to install eliminating the need for bearing adjustment.

We added features the industry asked for.

All components of PreSet Plus hubs are field serviceable, and our specially designed spindle nuts make for easier removal of the complete assembly for servicing. We've retained the outboard bearing cone to prevent damage during removal, and ensured the seal is protected during installation.



Clamp Load Increases 2.5x
Conventional vs PreSet Hub

PreSet Plus Spindle Nut System

PreSet Plus integrated nut system significantly improves wheel end clamp load, makes installation easier, aids in removal of the hub and provides improved safety features.



Improved performance and lower maintenance costs compared with manual adjust hubs

*PreSet®

PreSet Spacer provides a fixed, dimensional bearing adjustment

Our precision-ground spacers provide fixed, dimensional bearing adjustments, which are more precise than conventional hubs.

Taper roller bearings deliver exceptional life

PreSet hub assemblies incorporate inner and outer taper roller bearings, which are designed with very special tolerances selected to extend the life of the bearings inside.

Extended-life wheel seal protects internal components

Our hubs include extended-life wheel seals, which are installed in our own factories to a controlled depth. They provide maximum sealing efficiency and protect internal components against leaks and contamination.

Precision-stamped tone ring (optional)

As an integral component for ABS-equipped vehicles, we install precision-stamped tone rings to our PreSet hub assemblies.

Also available in low cost iron

*PreSet® Hub Technology is the industry standard for a reason, *it works.*

PreSet hubs are completely assembled at the factory.

We manufacture and assemble PreSet hubs inside our own factories, where quality control is monitored every single step of the way. Using state of the art machines and technology we achieve the very highest levels of precision. PreSet technology offers superior hubs that are completely assembled and ready for installation from the factory.

Conventional hubs leave room for error.

Conventional hubs require assembly and installation of many individual components, including bearings and seals, using imprecise hand tools.

These additional steps require checking, adjusting and rechecking of tolerances, which add a considerable amount of time to the installation process. Incorrect installation can not only damage individual hub components, but even the hub itself, greatly affecting the lifespan and safety of the hub.

Choose the better hub assembly.

With proper lubrication, maintenance and inspections, PreSet hubs can keep your vehicle on the road, safely and efficiently, for miles and miles.

*A trademark of Consolidated Metco licensed to NEI

Combining NBC hub technology with the most popular disc brakes in the industry.

We've partnered with top disc brake manufacturers to bring you hub and rotor assemblies that are lightweight, low maintenance and install in one easy piece.

Our hub and rotor combinations are completely pre-assembled.

PreSet Hub and Rotors are fully assembled before they are installed on your truck or trailer. We combine industry-leading brake rotors with our patented PreSet technology and assemble them inside our own factories, where quality control is monitored every step of the way. Using state of the art machines and technology, such as pre-adjusted bearings, we achieve the very highest levels of setting and calibration precision.

PreSet Hub and Rotors combine the best technologies available.

By working closely with brake manufacturers, we've developed a way to combine the most popular disc brakes with our own proven hub technology. Our assemblies combine the low maintenance advantages of PreSet and PreSet Plus hubs with innovative rotor designs. This joint development effort has resulted in the most reliable, cost effective hub and rotor combinations in the industry, complementing the advantages offered by today's disc brake technology.

Air disc brakes offer multiple advantages.

PreSet Hub and Rotor assemblies integrate air disc brakes because they offer numerous advantages over drum brakes. Air disc brakes provide shorter stopping distances, less brake fade, faster application time when used with EBS, and less susceptibility to the damaging effects of water on the road.

Conventional hubs and rotors leave room for error.

Not only do conventional hubs require the installation of separate brake rotors, but they also require installation of many individual components, including bearings and seals, using imprecise hand tools. These additional steps require checking, adjusting and rechecking of tolerances, which add a considerable amount of time to the installation process. Incorrect installation can damage hub components and even the hub itself, greatly affecting the lifespan and safety of the hub.

Our assemblies use pre-adjusted bearings.

PreSet Hub and Rotor assemblies come complete with pre-adjusted bearing technology developed and perfected by our own engineers. Pre-adjusted bearings are set with greater precision than conventional bearings because we have control over the assembly construction process. We carefully control all critical tolerances of the hub, bearings and spacer, and use machines to put them together with proper calibration. This produces bearing settings that are more precise and can be repeated during the assembly of every PreSet Hub and Rotor combination.

PreSet Hub and Rotors are simple to install and maintain.

With our Hub and Rotor combinations, installation is incredibly easy. Operators simply slide the self-piloting, pre-assembled hub onto the spindle, torque the retaining nut and add lubricant. Not only do you save installation time with our assemblies, but you can also service them in the field using conventional, readily available parts. No special tools, equipment or procedures are required.

Our hub and rotor assemblies fit all your needs.

ConMet Hub and Rotor combinations are available in a variety of configurations for various axle types. They are also available in ductile iron and lightweight aluminum, so you can choose the combination which best fits your needs.

Choose the better hub and rotor combination.

With proper lubrication, maintenance and regular inspections, ConMet Hub and Rotor assemblies can keep your vehicle on the road, safely and efficiently for miles and miles.

Hub & Rotor Assemblies

Advanced Hub Technology for Disc Brakes

NBC Spacer provides a fixed, dimensional bearing adjustment

Our precision-ground spacers provide fixed, dimensional bearing adjustments, which are more precise than conventional hubs.

Fill hole simplifies installation of lubricants

PreSet hub assemblies come standard with fill holes (not shown), so lubricants of all types can be installed easily and efficiently.

Taper roller bearings deliver exceptional life

PreSet hub assemblies incorporate inner and outer taper roller bearings, which are designed with very special tolerances selected to extend the life of the bearings inside

PreSet or PreSet Plus

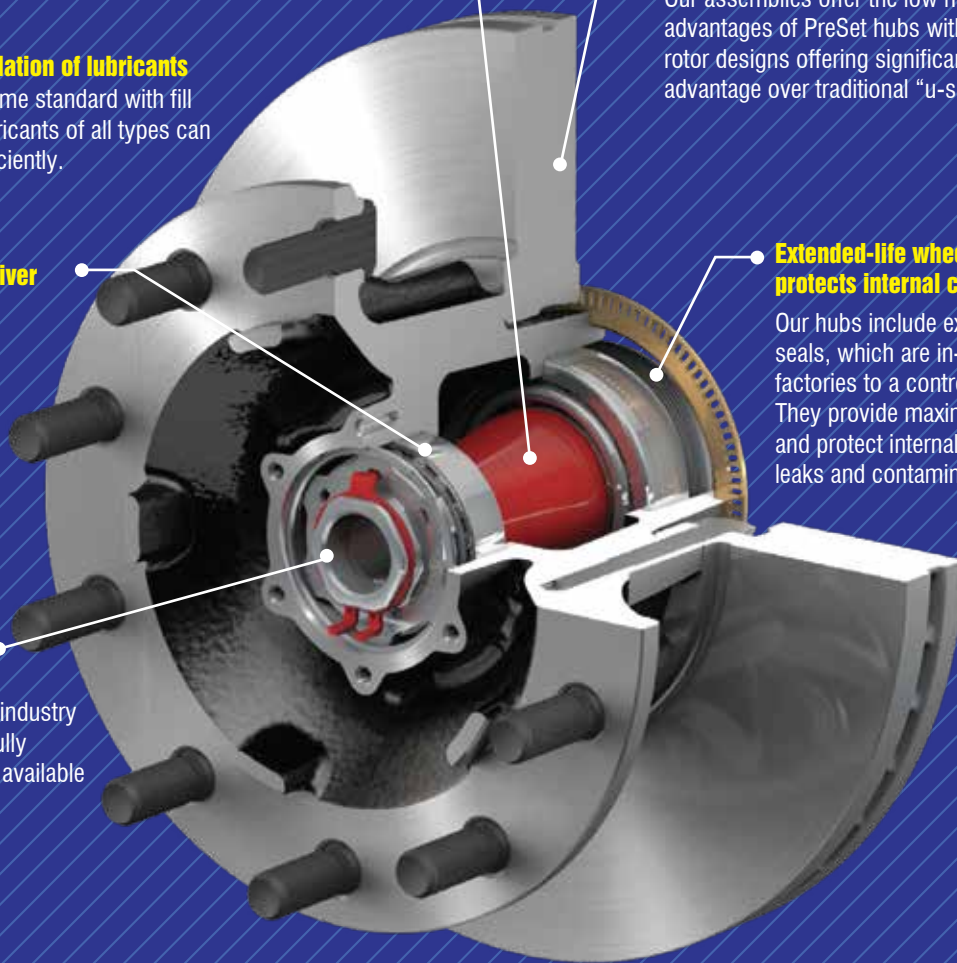
NBC hub and rotors are available as PreSet or our industry leading PreSet Plus with fully integrated spindle nut and available NBC Premium Bearings.

Industry leading rotor design integrated with proven PreSet hub technology.

We've combined the most popular disc brake types with our own proven hub technology. Our assemblies offer the low maintenance advantages of PreSet hubs with innovative rotor designs offering significant weight advantage over traditional "u-shape" rotors.

Extended-life wheel seal protects internal components

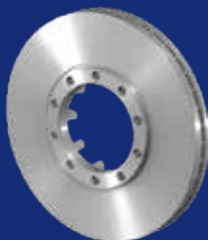
Our hubs include extended-life wheel seals, which are installed in our own factories to a controlled depth. They provide maximum sealing efficiency and protect internal components against leaks and contamination.



NBC Hub and Rotors are available with a variety of rotor shapes.

Flat Rotors

NBC exclusively-designed flat rotor is an affordable, lightweight solution for heavy-duty applications.



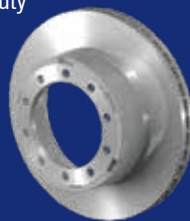
U-Shape Rotors

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



Hat-Shape Rotors

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



Spline Rotors

Splined rotors feature a fully floating design that provides a more even braking force and high torque capacity.



*PreSet Plus™

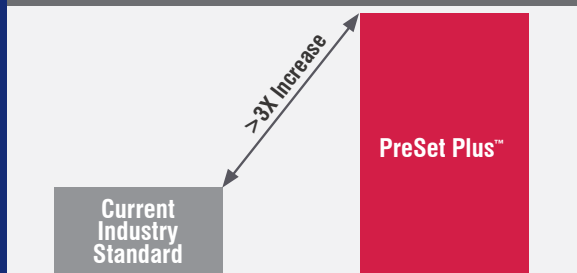
All of the features of NBC PreSet® hub assemblies plus we've incorporated a unique axle nut retaining system combined with an optimized bearing spacer to increase clamp load up two and a half times that of a standard hub.

The PreSet Plus fully integrated four piece axle nut system

PreSet Plus integrated nut system significantly improves wheel end clamp load, makes installation easier, aids in removal of the hub and provides improved safety features.

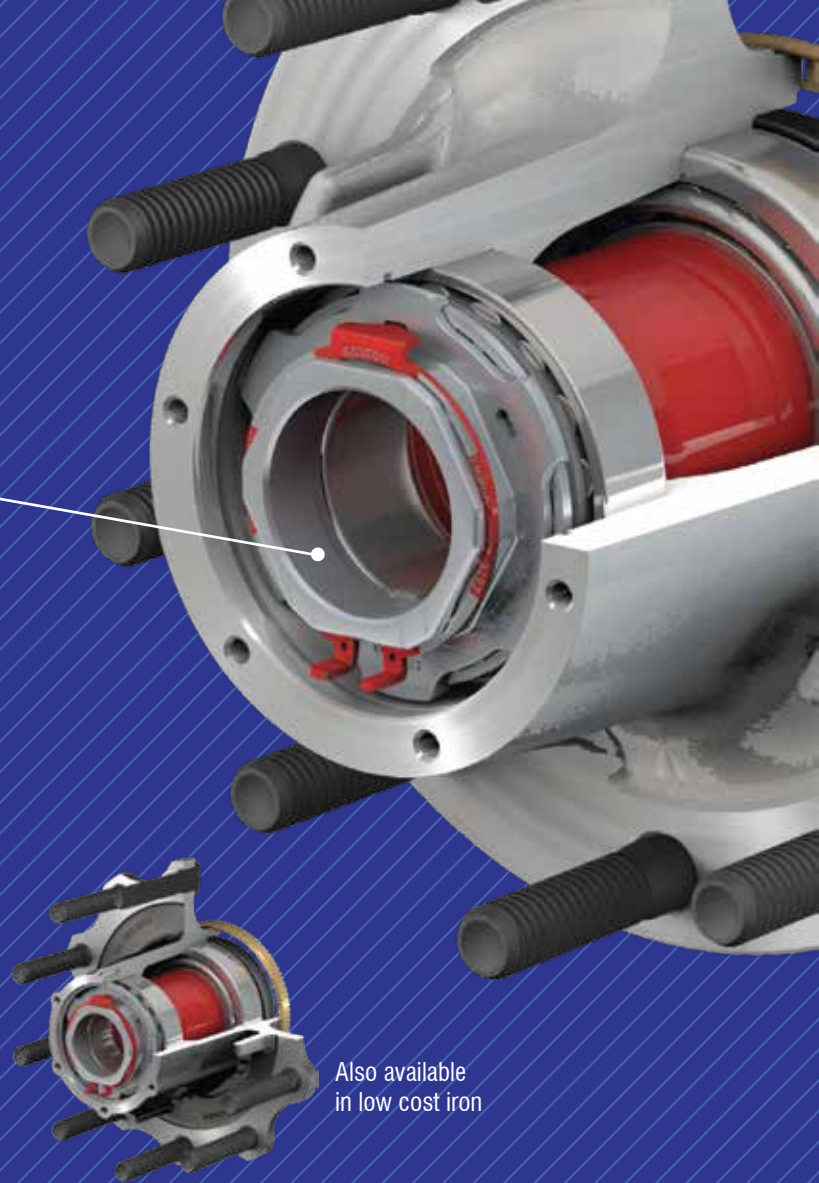
CLAMP LOAD COMPARISON : TRAILER (TN)

CLAMP LOADS (LBS.)



Clamp Load Increases 3x

Conventional vs PreSet Hub



Also available in low cost iron

With state-of-the-art design, superior components and low maintenance features, PreSet Plus is the complete package.

We took our industry leading PreSet® hub technology and improved it.

PreSet Plus hub assemblies have all the great features of PreSet plus we've incorporated our fully integrated spindle nut. ConMet's patented integrated nut system significantly improves wheel end clamp load, makes installation easier, aids in removal of the hub for servicing and provides improved safety features. The PreSet Plus Spindle Nut is manufactured by ConMet to ensure the very best quality and performance in the industry.

PreSet Plus hubs have an optimized bearing spacer.

For PreSet Plus hub assemblies, we have added an enhanced bearingspacer which optimizes clamp load and maximizes performance and durability.

We added features the industry asked for.

PreSet Plus hubs incorporate our own spindle nut system and an optimized bearing spacer. They come standard with a magnetic fill plug, a premium "Best in Class" seal and taper roller bearings. They are completely pre-assembled and ready to install, eliminating the need for bearing adjustment.

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