



TruTurn®

MAX DIA 16.620 1422.1 MM

TruTurn® PAT. NO. 7677144

ID1 3625

CONMET 10037825

TruTurn® PAT. NO. 7677144

TruTurn Lite™

MAX DIA 16.62 1422.1 MM

BRAKE DRUMS

Precision-Machined for Longer Life

TRUTURN® AND TRUTURN LITE™ : BETTER

ConMet's "turned-to-balance" manufacturing process ensures

TruTurn Drums are Inherently Balanced for Better Performance

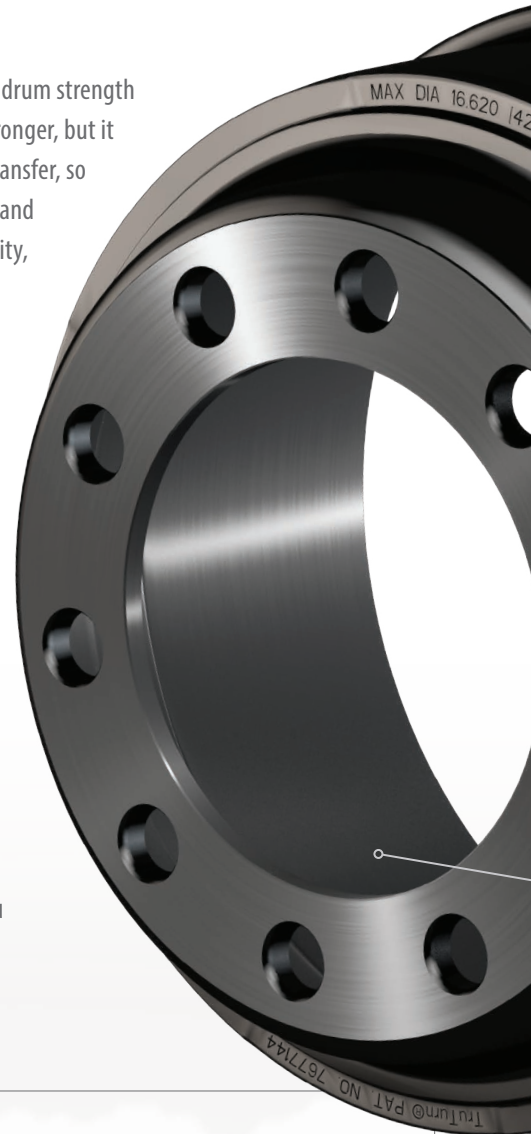
TruTurn brake drums are constructed using ConMet's "turned-to-balance" machining process, which improves drum strength by eliminating the need for weld-on weights and balance cuts. Not only does this process make the drums stronger, but it creates other advantages such as uniform thermal expansion for reduced brake pulsing, and improved heat transfer, so the drum and brake linings stay cooler. Braking force is more evenly distributed, and occurrences of vibration and "judder" are minimized. With each stop, TruTurn brake drums maintain lower temperatures, maximize durability, minimize wear, and improve brake performance.

Stays Cool During Crucial Stops

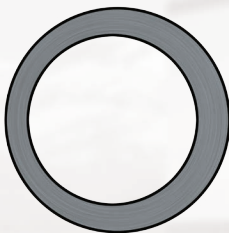
Traditional cast brake drums are only machined on the inside, which can cause inconsistencies in the wall thickness and lead to drum cracking from 'hot spots' and uneven heat distribution. TruTurn brake drums are machined inside and out, so 95% of their surface area is precisely shaped to ensure dimensional consistency. This makes for more uniform heat distribution, which means the drum and linings stay cooler during crucial stops. Cooler drums last longer, improve performance, and save money on maintenance over the long haul.

Surpasses the Competition

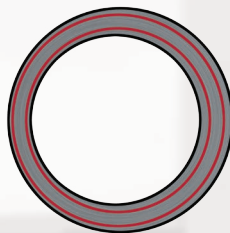
Test after test, in the lab and on the highway, TruTurn brake drums beat the competition. They surpass the accepted standards of industry performance testing. With the increase in dimensional precision, they outperform traditional cast drums in many applications. Utilizing the latest engineering and manufacturing techniques, TruTurn brake drums exceed customer expectations for performance and quality at an affordable price. Additionally, the TruTurn design meets Federal Motor Vehicle Safety Standards (FMVSS) 121, giving you added confidence in this reliable product.



How We Make a TruTurn Brake Drum



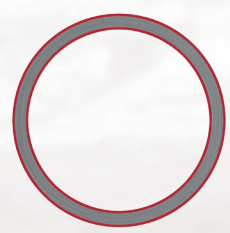
There can be deviations in wall thickness that would cause a drum to be unbalanced.



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.

BRAKE DRUMS – BOTH INSIDE AND OUT.

s uniform wall thickness for longer life and improved braking.

Choose the Better Brake Drum

With proper maintenance and regular inspections, TruTurn brake drums can keep your vehicle on the road, safely and efficiently. For complete TruTurn installation procedures and training manual, go to www.conmet.com.

Save Weight with TruTurn Lite™

ConMet TruTurn Lite brake drums provide all of the benefits of TruTurn, but in a lightweight package. TruTurn Lite drums are up to 10% lighter than standard drums. This is done by starting with a design that maximizes stiffness, but uses less material. The drum then goes through the proven TruTurn “turned-to-balance” manufacturing process which results in a lightweight drum that will perform mile after mile.

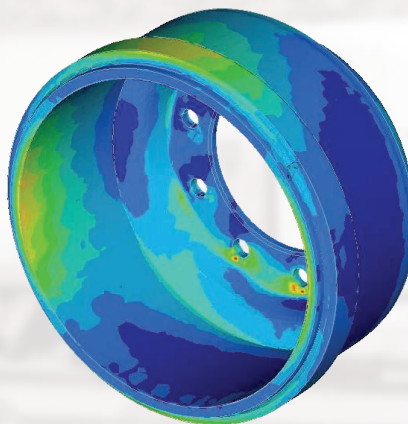


TruTurn Brake Drums Benefits:

- ▶ Drum strength is increased through “turned-to-balance” machining process
- ▶ Full machining lowers drum temperature
- ▶ Precisely machined surfaces reduce vibration
- ▶ TruTurn drums are machined inside and out
- ▶ Up to 10% in weight savings with TruTurn Lite

TruTurn Technology is Tried and True

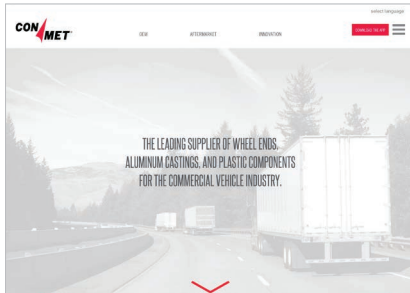
Utilizing the skills of experienced wheel end engineers and the power of advanced computer modeling, ConMet developed TruTurn brake drum technology. Computer-Aided-Design (CAD), Finite Element Analysis (FEA), solidification modeling, and rapid prototypes are all a part of the unique development process. Prototyping, static strength, and fatigue are just a few of the testing procedures used to guarantee the reliability of TruTurn and TruTurn Lite brake drums.



Finite Element Analysis ensures stress levels are reduced and the drum is optimized for less weight, higher strength, and uniform heat distribution.

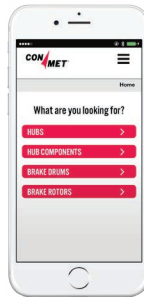
PRODUCT & SERVICE SPOTLIGHT

ConMet Online and Mobile Tools



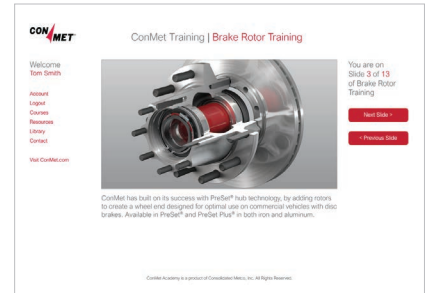
Informative Website

Visit us online to find ConMet product information including wheel ends, plastics, and castings. You can also access valuable resources like our online parts catalog, hub training program, and product literature. conmet.com



Wheel End Aftermarket App

The ConMet Aftermarket app is available on both mobile and desktop platforms, and will help you find the necessary replacement hub or service parts for your needs - fast. conmet.com/app



ConMet Hub Training

ConMet interactive training will help you become a wheel end expert. Take the training course and get ConMet certified. conmet.com/training

ConMet Aftermarket Components



Service & Rebuild Kits

If hub replacement is not an option, genuine PreSet®/PreSet Plus® Hub Service Kits allow you to reset your hubs to their PreSet factory settings.



Wheel Bearings

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



Wheel Seals

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



Spindle Nuts

PreSet Plus® spindle nuts ease hub installation, provide infinite adjustability, and improve clamp load retention.

