

# CastLite<sup>®</sup> Brake Drums



**The weight saving solution.**

**CON**  **MET**<sup>®</sup>  
Pointing the Way™

# CastLite® – design innovations provide significant weight savings without sacrificing brake performance.

## CastLite® Brake Drums

Weight savings and improved performance minus the cost penalty associated with other light weight designs.

### 15% weight reduction over a standard cast drum.

CastLite's unique computer-optimized patented shape results in a 15% weight reduction over standard full-cast drums, while offering the same level of durability and brake performance.

### Designed for performance.

CastLite is engineered for function and performance, the result is lower operating cost mile-after-mile.

Constructed with industry proven premium gray iron, CastLite builds on today's material technology with patented innovations:

- ▲ A continuous hoop section supplies stiffness comparable to standard cast iron drums.
- ▲ The improved squealer band offers better section stiffness for shorter stopping distances.
- ▲ Increased exterior surface area in the CastLite drum offers better overall braking capability.
- ▲ CastLite also provides optimized heat transfer for improved cooling, so the drum shape remains consistent.

### Manufactured for quality.

Utilizing the latest in design and manufacturing technologies, ConMet continues its heritage of providing the highest level of product quality.

### The Standard of Excellence.

Test after test, the CastLite brake drums surpassed the accepted standards in the performance drag test, vehicle stopping distance, and durability. Plus, CastLite is certified to be Federal Motor Vehicle Safety Standard (FMVSS) 121 compliant.

### Experience you can trust.

ConMet has nearly 40 years of experience delivering reduced weight technologies to the commercial vehicle market. CastLite is a design you can trust.



The CastLite family of brake drums is fully interchangeable with all competitors. A complete competitive crossover list is available at [www.conmet.com](http://www.conmet.com).

**Lowest cost per pound of weight saved.**

ConMet's innovative approach to casting design saves up to 15% in weight over a standard cast drum, without the significant cost penalty associated with other reduced weight designs.

**Better braking capability.**

Continuous barrel section provides hoop stiffness, resulting in more consistent braking performance.

**Pocketed flange design.**

Reduces weight without sacrificing performance.

**Saving up to 13 lbs. per drum.**

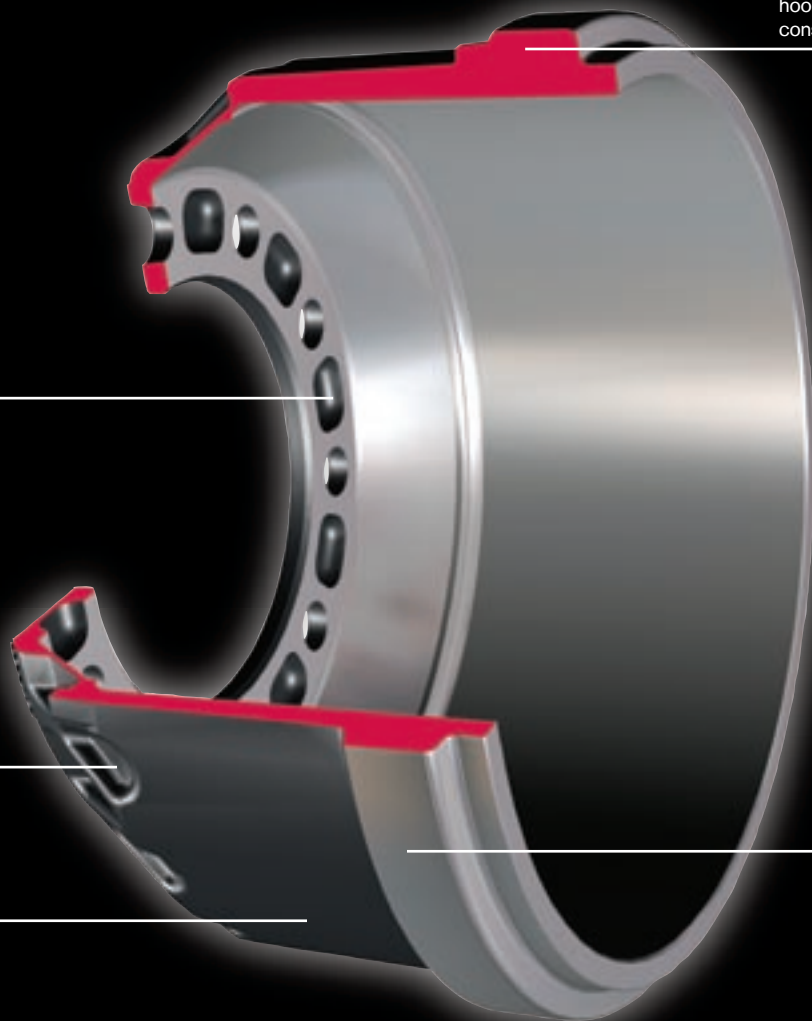
Patented shape provides weight savings up to 13 lbs.

**Optimized heat transfer.**

Use of premium gray iron ensures superior heat transfer.

**Same strength of a standard cast brake drum.**

Improved squealer band section delivers the same durability as a full-cast brake drum.



**Drum Weight Comparisons**



**15x4 Drums**

Standard Full-Cast	.....	80 lbs.
ConMet CastLite	.....	69 lbs.
Weight savings	.....	11 lbs.

**15% weight savings**



**16.5x7 Drums**

Standard Full-Cast	.....	113 lbs.
ConMet CastLite	.....	100 lbs.
Weight savings	.....	13 lbs.

**13% weight savings**

# ConMet's TruTurn™ and Standard Cast Brake Drums

Using superior design capabilities, ConMet has developed the most innovative cast brake drums available for heavy-truck and trailer applications.

## Benefits of ConMet Brake Drums

- ▲ Machined for vibration-free operation
- ▲ Precision machining provides enhanced brake surface finish
- ▲ Rigorous testing ensures casting integrity
- ▲ Certified to meet FMVSS 121 requirements
- ▲ Available to meet a wide range of vehicle specifications



**TruTurn™**



**Standard Cast**

ConMet brake drums are fully interchangeable with competitor drums. A complete competitive crossover list is available at [www.conmet.com](http://www.conmet.com).



Aluminum  
**PreSet®**  
Hub Assemblies



Ductile Iron  
**PreSet®**  
Hub Assemblies



**PreSet®**  
Hub and Rotor  
Assemblies



Aluminum  
**Standard**  
Hub Assemblies



Ductile Iron  
**Standard**  
Hub Assemblies



**CastLite®**  
Brake Drums



**TruTurn™**  
Brake Drums



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