



**COBRA<sup>®</sup> TG**  
TreadGuard  
High Friction Composition  
Brake Shoes

An Effective Way  
to Increase Wheel Life



# Guard Your Tread with **COBRA TG** Brake Shoes

Tread damage, such as shells and spalls, can create major expenses in your maintenance program. Now you can reduce tread damage with TreadGuard™ (TG) High Friction Composition Brake Shoes. The **COBRA TG** has AAR conditional approval for interchange service.

Used as your everyday brake shoes, **COBRA TG** Brake Shoes work continuously to keep wheels in top condition. In fact, based on more than three years of field testing, **COBRA TG** Brake Shoes significantly reduced wheel changeouts due to shelling.

- **Minimize removal of wheels for repair**
- **Prolong life cycle of wheels**
- **Reduce downtime**
- **Reduce wheel set inventory**

## THE STANDARD SHOE WITH THE ADDED ADVANTAGE

Designed with the same tapered shape as COBRA AP Advanced Performance shoes, **COBRA TG** Brake Shoes have an added value built into them. The shoes have a metal insert molded into the friction material in the center of the shoes that works in two ways.

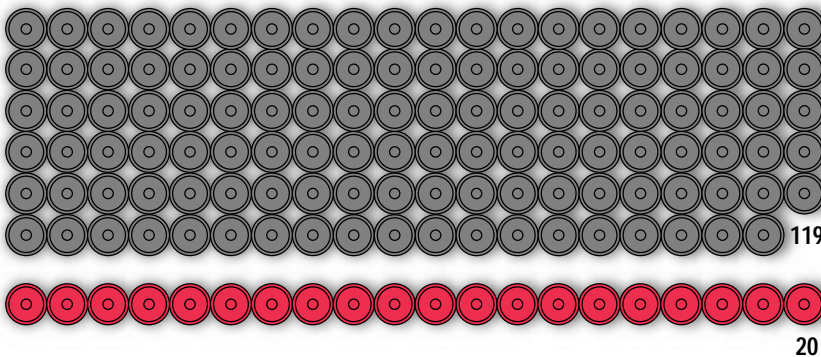
First, it slightly roughens the tread surface to improve wheel-to-rail adhesion, thereby decreasing the likelihood of wheel slides. Second, because the insert is more abrasive than the base composition material, it works continuously to remove minor tread damage and improve the condition of the tread.

## TO GUARD YOUR TREAD, THINK RED

**COBRA TG** Brake Shoes are painted red for immediate identification. To find out more about this innovative solution to wheel maintenance, call **1-800-784-4012**.

### 36-MONTH FIELD TEST RESULTS

- Wheel set changeouts due to shelling **without TG Shoes**
- Wheel set changeouts due to shelling **with TG Shoes**



*Metal insert decreases wheel slides and removes minor tread defects before they become major problems.*



Test conducted over a 36-month period comparing two Unit Trains (without COBRA TG shoes) with one Test Unit Train (with COBRA TG shoes). All three trains were made up of 119 cars running under identical service and operating conditions. The two trains running **without** COBRA TG shoes averaged 119 wheel sets removed due to shelling.



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P.O. Box 1349 • Laurinburg, NC 28353 • 1-800-784-4012 • Fax: (910) 844-9733