

# Friction Products

## Brake Shoes

### Business Unit: Railroad Friction Products Corporation

Railroad Friction Products manufactures COBRA® high-friction and low-friction composition brake shoes, specialty shoes, and disc brake linings for freight, locomotive, and transit vehicles.



#### TreadGuard®

Developed by Railroad Friction Products Corporation to address the problem of wheel removals due to shelling, spalling, and high impacts, TreadGuard® is a value-added brake shoe with a cast iron insert that provides the following benefits for a wide range of freight car and locomotive applications:

- Cast iron inserts continually clean minor tread defects & damage
- Minimizes removal of wheels for repair
- Prolongs life cycle of wheels
- Reduces wheel set inventory and changeouts
- Minimizes impacts between wheel and rail
- Painted RED for immediate identification
- Reduces wheel set turnings, out of service time and high impact frequencies
- Materials that meet AAR industry standard RP-599



#### Standard Composition & Standard Flanged Composition

- Full line of friction materials for locomotive applications
- Materials that meet AAR industry standard RP-599
- Configurations to meet a variety of locomotive applications
  - Full width, AP design, offset design and flanged
  - 14",16",18" lengths



#### Low-Friction

- No conversion costs – Low Friction Locomotive Brake Shoes are a direct replacement for cast iron brake shoes
- Longer Wheel Life – Insert conditions the tread and removes minor damage to wheels
- Lighter in weight than cast iron brake shoes
- Color coded to indicate they are Low Friction Brake Shoes
- Painted yellow and shipped in yellow containers