



PRODUCT GUIDE

BRAKE **SYSTEMS**



COMPREHENSIVE BRAKE SYSTEM SOLUTIONS FOR HEAVY HAUL APPLICATIONS.

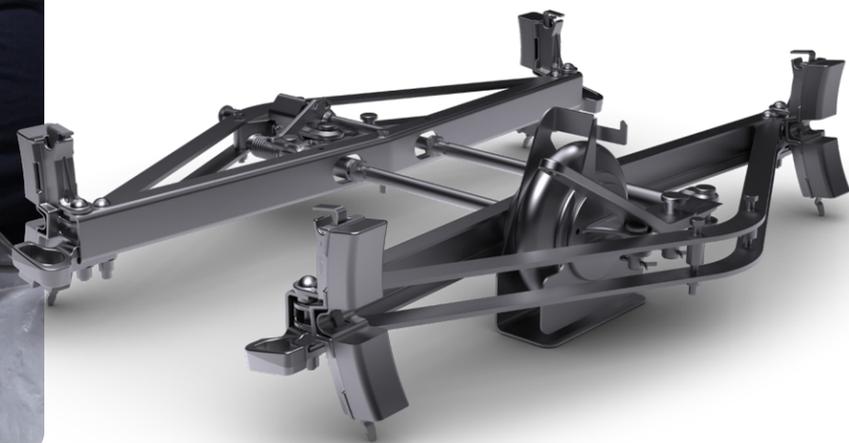
Amsted Rail is a world leader in manufacturing brake systems for the freight rail market. We offer the broadest array of advanced braking equipment, with each component designed to meet the exacting tolerances demanded by the rigors of heavy hauling. They're built to go long distances with low maintenance and they don't compromise an inch on stopping distance.

INTEGRATED SOLUTIONS FROM A SINGLE SOURCE

Whatever braking system you choose, Amsted Rail will engineer an integrated solution that can enhance railcar performance and increase the lifecycle savings of your railcar. Our comprehensive knowledge of railcar undercarriage systems and our superior global manufacturing capacity make us the leading-edge resource for all your braking needs.

INNOVATORS IN TRUCK MOUNTED BRAKE (TMB) SYSTEMS

As the first manufacturer to fully integrate the brake cylinder into a bogie system, our TMB systems fit on standard AAR bolsters and employ standard brake beams and packing cups, allowing for efficient assembly and versatile retrofitting to existing railcars.



IBEX® TRUCK MOUNTED BRAKE SYSTEM

The IBEX® TMB system is engineered for greater reliability, efficiency and seamless performance in heavy haul applications. Its lightweight, versatile modular design offers more payload and a longer brake system life.

A COMPLETE LINE OF COMPONENTS FOR HEAVY HAUL RAIL BRAKING SYSTEMS

Whether you require a component for a conventional body-mounted brake system or a TMB system, Amsted Rail has an inventory unmatched in the industry. We can service, replace or upgrade virtually any mechanical or pneumatic braking component, no matter the railcar braking specification.

EMPTY-LOAD DEVICES

- ▶ Available for all freight car types
- ▶ Sense whether the car is loaded or empty and proportions brake cylinder pressure accordingly



SLACK ADJUSTERS

- ▶ Conventional and truck mounted automatic slack adjusters available
- ▶ Maintain constant piston travel, minimizing loss in brake shoe force due to shoe and wheel wear



HAND BRAKES

- ▶ World's widest product line of AAR-approved hand brakes
- ▶ Vertical wheel brakes for any type of freight car



AMSTED RAIL, THE GLOBAL LEADER IN FULLY INTEGRATED FREIGHT CAR SYSTEMS FOR THE HEAVY HAUL RAIL MARKET.

Amsted Rail is the world's leading provider of undercarriage and end-of-car railcar components, with facilities spanning six continents. Through our state-of-the-art manufacturing processes, Amsted Rail has been redefining industry standards for innovation and technology since 1877, providing our customers worldwide with unmatched performance and reliability for the long haul.

To learn more, visit www.amstedrail.com.

