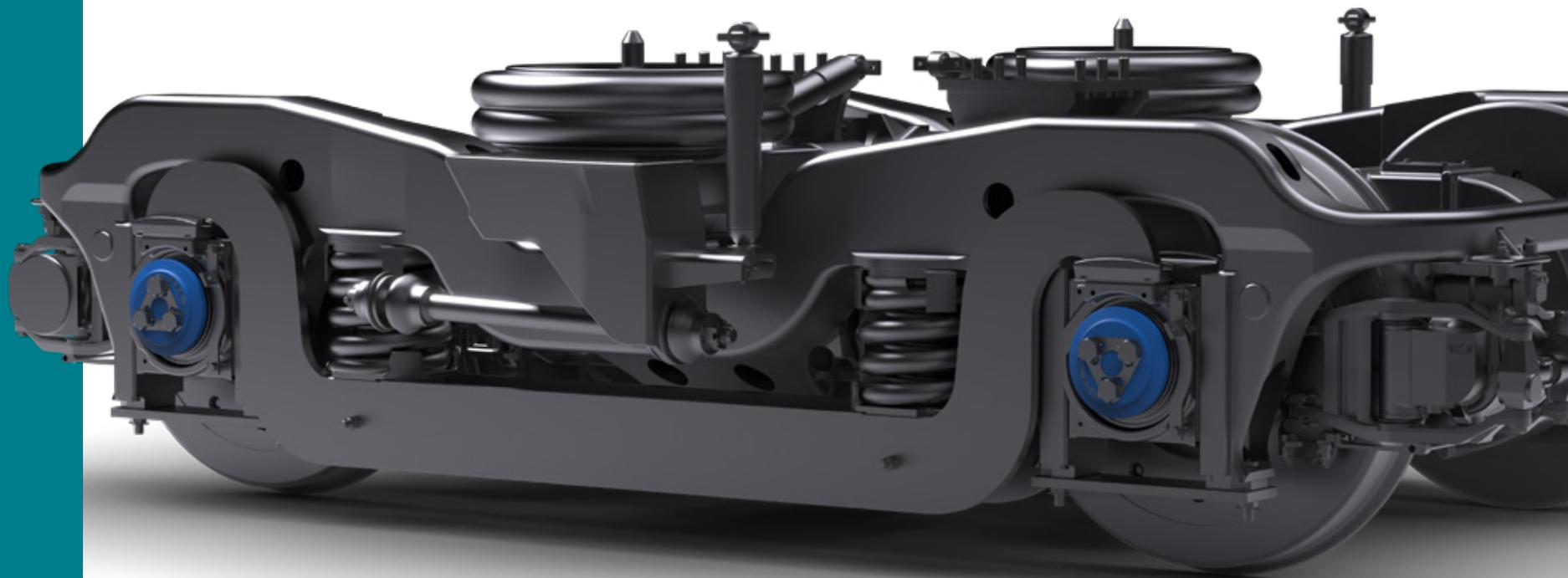


TRANSIT

CONNECTING COMMUNITIES WITH HIGH PERFORMANCE TRANSIT RAIL SOLUTIONS



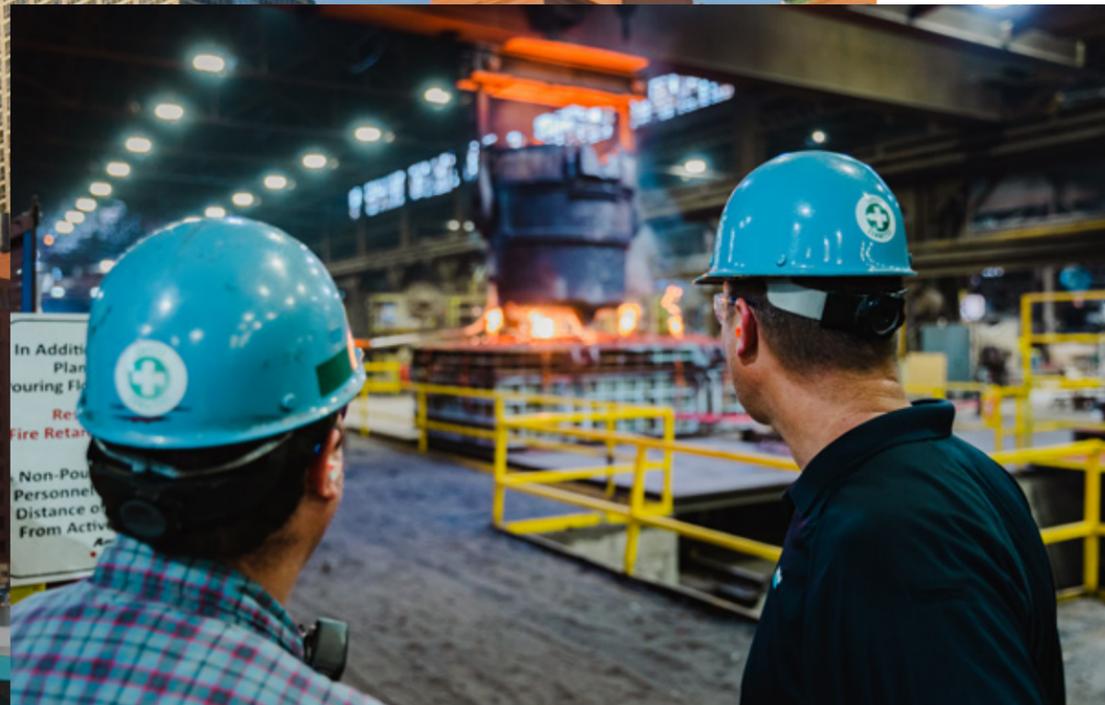
COMPREHENSIVE TRANSIT RAIL SOLUTIONS MADE IN THE USA

Amsted Rail[®]



EXPANDING ON OVER A CENTURY OF UNRIVALED RAIL EXPERTISE

Amsted Rail is a leading global provider of undercarriage and end-of-car railcar components. Building upon our 150-year heritage of industry-leading freight rail expertise, we've brought our design and manufacturing mastery to the transit rail industry. With this expansion, Amsted Rail provides a complete offering of transit rail bogie systems, end-of-car components and engineering and reconditioning services with the level of excellence that has defined us for over a century.



PIONEERING MANUFACTURING AND ENGINEERING EXCELLENCE ACROSS AMERICA

Headquartered in Chicago, Illinois, Amsted Rail designs, engineers, tests and manufactures our entire suite of transit products in the United States. Throughout the heart of America, our state-of-the-art facilities combine our operational expertise with a manufacturing footprint that continues to grow with the country's expanding rail needs.

Chicago, IL

- Corporate Headquarters

Camp Hill, PA

- End-of-Car Couplers
- Waughmat Draft Gears
- Yokes
- Crash Energy Management

Granite City, IL

- Foundry Processes and Machining
- Global Engineering and Test Lab
- Bogie Assembly
- Bogie Overhauls

Petersburg, VA

- BRENCO® Bearings

Greenville, SC

- System Assembly
- Work Car Bogies

Hammond, IN

- Suspension Coil Springs

Paragould, AR

- Axles



TO LEARN MORE ABOUT OUR GROWING PORTFOLIO OF PRODUCTS AND SERVICES FOR THE TRANSIT RAIL MARKET, VISIT AMSTEDRAIL.COM/TRANSIT OR CONTACT US DIRECTLY AT +1.800.621.8442.

A FULL LINE OF SYSTEMS AND COMPONENTS FOR ORIGINAL EQUIPMENT MANUFACTURERS

With a complete offering of bogie and end-of-car systems and components, Amsted Rail stands ready to meet the needs and specifications of car builders. Whether you're looking for fully assembled bogie systems, end-of-car systems or specific components, we'll work with you to make sure you get what you need, when you need it.

AMSTED RAIL OEM BOGIE AND END-OF-CAR SYSTEMS ARE DESIGNED AND MANUFACTURED TO MEET REQUIREMENTS ON ALL YOUR APPLICATIONS:

- ▶ Single-level passenger cars
- ▶ Multi-level passenger cars
- ▶ Bi-level passenger cars
- ▶ Intercity passenger cars
- ▶ Commuter rail passenger cars
- ▶ Heavy rail passenger cars
- ▶ Crane cars
- ▶ Pump cars
- ▶ Flat cars
- ▶ Vacuum cars
- ▶ Hopper cars
- ▶ Ballast cars
- ▶ Tank cars
- ▶ Refuse cars
- ▶ Revenue collector cars
- ▶ Locomotives



SERVICE-PROVEN CAST STEEL BOGIE SYSTEMS



- ▶ Fully assembled, powered or unpowered bogie systems
- ▶ Cast steel designs built on service-proven GSI platforms
- ▶ Lowest lifecycle costs demonstrated by thousands of bogies in operation
- ▶ Designs meet or exceed FRA, AAR, PRIIA and APTA standards



END-OF-CAR COMPONENTS DESIGNED FOR DURABILITY



- ▶ End-of-car components designed to work as a system
- ▶ Thousands of systems in service with transit operators across the United States
- ▶ Optional crash energy management system
- ▶ Solutions available for intercity and commuter cars as well as diesel locomotives

AFTERMARKET PRODUCTS AND SERVICES TO EXTEND THE LIFE OF RAILCARS



FULL SYSTEM OVERHAULS

Amsted Rail has the in-house engineering and production capabilities to inspect and overhaul most manufacturers' bogies and end-of-car systems, reconditioned to "like new" specifications.

THE AMSTED RAIL OVERHAUL PROCESS INCLUDES:

- ▶ Disassembly
- ▶ Shot-blasting major components
- ▶ Digital inspection
- ▶ Painting
- ▶ Reassembly

ENGINEERING ANALYSIS & TESTING

Internal modeling, dynamic simulation expertise and in-house testing facilities validate and deliver customer-specific solutions.

REPLACEMENT PARTS AND KITS

We also provide parts and complete part kits. If you aren't replacing Amsted Rail designs, we have the expertise and capacity to reverse- or custom-engineer any critical bogie parts for your application.

BOGIE COMPONENTS



END-OF-CAR COMPONENTS

- ▶ Type H Tightlock couplers, yokes, knuckles, pins and radial connectors for intercity and commuter cars
- ▶ Type E & F couplers, yokes and draft gears for diesel locomotives
- ▶ Waughmat style draft gears
- ▶ New elastomeric locomotive draft gears



ABOUT AMSTED RAIL

Amsted Rail is a leading global 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 customers worldwide with unmatched performance and reliability for the long haul.

Amsted Rail is part of the Amsted Industries family of companies. Amsted is a diversified global manufacturer of highly engineered industrial components serving primarily the rail, automotive, commercial vehicle and building & construction markets. A leader in each of the market segments it serves, Amsted Industries is privately held and employee-owned, giving employees a shared interest in its present and future successes.

SCAN TO
LEARN MORE



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