Amsted Rail’s complete bogie assemblies – built for the long haul in heavy haul.

Amsted Rail is the driving force in building the most reliable bogie car assemblies in the world. Through our ASF-Keystone Division, Amsted Rail designs and manufactures a range of complete bogie systems to satisfy every application, thrive in every environment and meet every challenge. All backed by our century-old AAR record for proven reliability.

**Strength, safety and durability in one lightweight package.**

Utilizing our patented lightweight process, ASF-Keystone has been producing durable heavy haul lightweight bogie systems for customers from Brazil to Burma. By combining higher-yield B+ steel with a proprietary coring process, we’re able to reduce weight by as much as 800 pounds per carset on average – without sacrificing strength.

Around the globe, ASF-Keystone® bogies consistently exceed the million-mile barrier, even in the ever-changing harsh operating climate of heavy haul freight transportation.

**Fully customizable assemblies.**

Amsted Rail also has the capability to build custom bogie assemblies. Our team of engineers will work with you to customize a bogie assembly specifically suited to your needs.

One million miles is no barrier for our bogie systems.

Amsted Rail, the global leader in fully integrated freight car systems for the heavy haul rail market.

Amsted Rail has been an industry leader in freight railroading for more than 100 years. Our experience, dedication and efficiency in servicing today’s demanding heavy haul operations is unequaled as we keep railcars rolling in some of the world’s toughest railroad environments. To learn more, visit www.amstedrail.com.
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Amsted Rail’s complete bogie assemblies – built for the long haul in heavy haul.

One million miles is no barrier for our bogie systems.
Advanced Bogies

Motion Control®
Delivering increased payloads and increased service times

Amsted Rail pioneered the Motion Control design in 2003, and developed the first Motion Control system to get certification for North American AAR Interchange Service.

To stay at the forefront, every Motion Control bogie is engineered, designed and tested with Amsted Rail® core components. This ensures product interaction, providing optimal stability in the harshest operating environments while maximizing the wearing life of components.

Key Benefits:
• Most versatile variable damped bogie for all asset types
• Lightest and most commonly specified M-976 bogie system available
• Lowest lifecycle maintenance costs
• Adapter Plug® steering pad provides improved wheel and bearing life
• Improved axle durability

Swing Motion®
Premier suspension design for safety and stability at high speeds

Swing Motion® was developed over 40 years ago to provide railways with safe high-speed capability and improved ride quality for reduced lading damage. This bogie system provides maximum performance benefits with evolutionary enhancements only Amsted®-Keystone® can deliver.

Key Benefits:
• The ultimate in freight rail bogie performance for lading protection
• Proprietary Swing Motion stabilization system unsurpassed in high-speed stability
• Superior ride quality
• Improved lading protection
• Reduced wheel wear
• Reduced component wear
• Lower maintenance and lifecycle costs
• Ideal for automobile and finished goods transport
• Reduced damage claims
• Up to 286,000 pound Gross Rail Load/32.5 tonne Axle Load

Super Service Ride Control®
Reduces wear and keeps the bogie square

Designed for high utilization assets like coal cars, Super Service Ride Control® is a real workhorse. It combines proven wheel wear improvements and exceptional lifecycle costs.

Key Benefits:
• Variable damped bogie
• Equipped with split wheel damping
• Provides adequate stability
• Keeps bogie square
• Adapter Plug® steering pad provides improved wheel and bearing life

Amsted HD Split Wedge
Economical choice for mid to low utilization assets

Introduced nearly 40 years ago, the Amsted HD Split Wedge truck design still remains an option for warm-climate customers around the globe as a standard variable damped, 3-piece bogie design. The Amsted HD Split Wedge is also available in a 125 ton configuration.

Key Benefits:
• Variable damped bogie
• Equipped with split wheel damping
• Provides adequate stability
• Keeps bogie square

Reliable Bogie Components

Friction Wedges
Our highly engineered friction damping systems improve ride quality and lading protection, providing a longer lifecycle for railcar components

Key Benefits:
• Variable damped bogie
• Equipped with split wheel damping
• Provides adequate stability
• Keeps bogie square

Adapters
Provides good stability

Key Benefits:
• Features Amsted Rail’s proprietary casting process for less weight and increased wheel and bearing life
• Provides adequate stability
• Adapter Plug® steering pad provides improved wheel and bearing life

PreLoad Plus® Constant Contact Side Bearing
PreLoad Plus retains over 75% of its new condition preload after hundreds of thousands of miles, providing significantly longer service life than conventional CCSB's

Key Benefits:
• Variable damped bogie
• Equipped with split wheel damping
• Provides adequate stability
• Keeps bogie square
• Adapter Plug® steering pad provides improved wheel and bearing life

Bearing Life Improvement
Bearing options provide better fuel efficiency and lower fretting replacements with higher reliability and longer life

Key Benefits:
• Variable damped bogie
• Equipped with split wheel damping
• Provides adequate stability
• Keeps bogie square
• Adapter Plug® steering pad provides improved wheel and bearing life

Precision-engineered innovation
At Amsted Rail, we provide more than parts; we deliver performance. We lead the way in supplying the highest quality, most reliable bogie components. No matter where in the world you’re hauling freight, Amsted Rail®’s heritage of manufacturing and trust ensures your sensitive cargo will get there in one piece.
Advanced Bogies

Motion Control®
Delivering increased payloads and increased service times.

Amsted Rail pioneered the Motion Control design in 2003, and developed the first Motion Control system to get certification for North American AAR Interchange Service.

To stay at the forefront, every Motion Control system to get certification for North American AAR Interchange Service.

First introduced back in the 1990’s, it continues today to be one of our most widely popular design options.

Key Benefits:

•  First bogie to achieve unconditional AAR M-976 approval
•  Longer friction wedge life
•  Reduced component wear
•  Reduced wheel wear
•  Improved lading protection

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Key Benefits:

•  Variable damped bogie
•  Equipped with split wedge damping
•  Provides adequate stability
•  Keeps bogie square as components wear
•  Up to 286,000 pound Gross Rail Load/32.5 tonne Axle Load

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Introduced nearly 40 years ago, the Amsted HD Split Wedge truck design still remains an option for warm-climate customers around the globe as it unsurpassed in high-speed stability for lading protection.

Key Benefits:

• 95% of.listeners of
• 286,000 pound Gross Rail Load/32.5 tonne Axle Load

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Friction Wedges

Our highly engineered friction damping systems improve ride quality and bogie performance, providing a longer lifecycle for railcar components.

Key Benefits:

•  Up to 286,000 pound Gross Rail Load/32.5 tonne Axle Load

Wheels

Griffin® Wheel casting process ensures steel cleanliness, and consistent rim size and rim thickness for world class quality and reliability.

Key Benefits:

•  Up to 286,000 pound Gross Rail Load/32.5 tonne Axle Load

Bearing Products

Bearing options provide better fuel efficiency and longer lasting replacements with higher reliability and longer life.

Key Benefits:

•  Up to 286,000 pound Gross Rail Load/32.5 tonne Axle Load

Wear Prevention Products

Hollub® and Hollamax® Wear Prevention Products are made with an advanced plastic strong enough to outrun steel and proven to reduce wear up to 85%.

Key Benefits:

•  PreLoad Plus® Constant Contact Side Bearing

IONX® Asset Monitoring – 24/7 Remote Management

IONX asset monitoring systems enable you to better manage your fleet, providing data that can help you improve shipment safety, security, turn cycles and total fleet optimization. IONX delivers location and condition status reports in near real-time – regardless of your asset’s location – and complies with all federal government reporting requirements. Insights gained from IONX® analysis are helping shippers and owners around the world reduce costs and maintain productivity goals.
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Wheels
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Axles
Amsted® Axles provide the highest quality axles to the most exacting standards from small and rim thickness for world class quality and reliability.

Wear Prevention Products
Hublue® and Hollamax® Wear Prevention Products are made with an advanced plastic strong enough to outlast steel and proven to reduce wear up to 88%.

IONX® Asset Monitoring - 24/7 Remote Management
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Bearing Systems
Bearing options provide better fuel efficiency and lower fretting replacements with higher reliability and longer life.

Coils
Griffin® Wheel casting process ensures steel cleanliness, and consistent tape size and rim thickness for world class quality and reliability.

Adapters
PreLoad Plus® Constant Contact Slide Bearing
PreLoad Plus retains over 95% of its new condition for hundreds of thousands of miles, providing significantly longer service life than conventional CSB's.
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AMSTED RAIL – BOGIES 1,435 MM TRACK GAUGE