

RAILWAY SYSTEMS

We're setting the course for success

Reliability in every detail – for your railway systems

Railway Systems factsheet EN | 07/2025

SAFETY AND STRENGTH ALONG THE ENTIRE LINE

Robust components for strong connections – railway systems you can rely on. Whether high-speed, commuter, or freight transport: our solutions keep things moving – precisely, durably, and future-proof.

With our steel casting portfolio, we provide not only components for rail vehicles and turnouts but also pure strength that effortlessly withstands tough conditions. Discover how our innovative solutions are shaping the future of rail transport, ensuring safety and efficiency on every route.

Typical applications:

- » Gear Housings
- » Brake Brackets
- » Cast Frames
- » Bolste / Coupler
- » Turnout Systems
- » Bogies
- » And many other cast components

ADVANTAGES



Increased efficiency

- » Customized cast parts for optimal function and service life
- » Suitable for series production via blockmolding line
- » Fast availability with fastlane®



Quality

- » Complete service – from casting to final machining
- » Joint product development for perfect performance
- » Material solutions tailored to the most demanding conditions



Sustainability

- » Efficient material usage and reduced emissions through modern technologies
- » Contribution to green mobility with durable, low-maintenance components

fastlane®

By using the latest technologies and prioritizing production scheduling, we guarantee up to 60 % faster and reliable delivery times.

Our fastlane®-Service represents a significant advancement in casting production by increasing efficiency, improving quality, and simultaneously promoting sustainable practices.



TECHNOLOGY

» 3D Sand Printing (3DSP)

Our innovative 3D printing process enables the production of highly complex castings without the need for traditional patterns. This precise and efficient method for manufacturing custom sand molds is ideal for intricate and specialized cast components.

» Robot Welding

With our certified, fully automated MAG welding process, we set new standards in manufacturing. Advanced techniques like laser cladding, integrated into state-of-the-art robotic systems, are propelling production technology into a new era.

» Digital Foundry

Through our ongoing "Digital Foundry" program, we continuously enhance our processes - driving efficiency, precision, and innovation in casting production.



voestalpine Foundry Group

As an international player in the foundry industry, voestalpine Foundry Group, with its sites in Linz (AUT), Traisen (AUT) and the joint venture in China, has made a name for itself worldwide.

With a broad portfolio of steel castings, including nickel-based alloys, it offers customized solutions in areas ranging from energy production, such as hydro, offshore/wind or oil & gas, to machinery and railroad systems. By using state-of-the-art technologies and increasingly focusing on climate-friendly production processes, voestalpine Foundry Group is the first choice for cast products of the highest quality, in a weight range from a few kilograms to 200 tons.

voestalpine Foundry Group

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ONE STEP AHEAD.