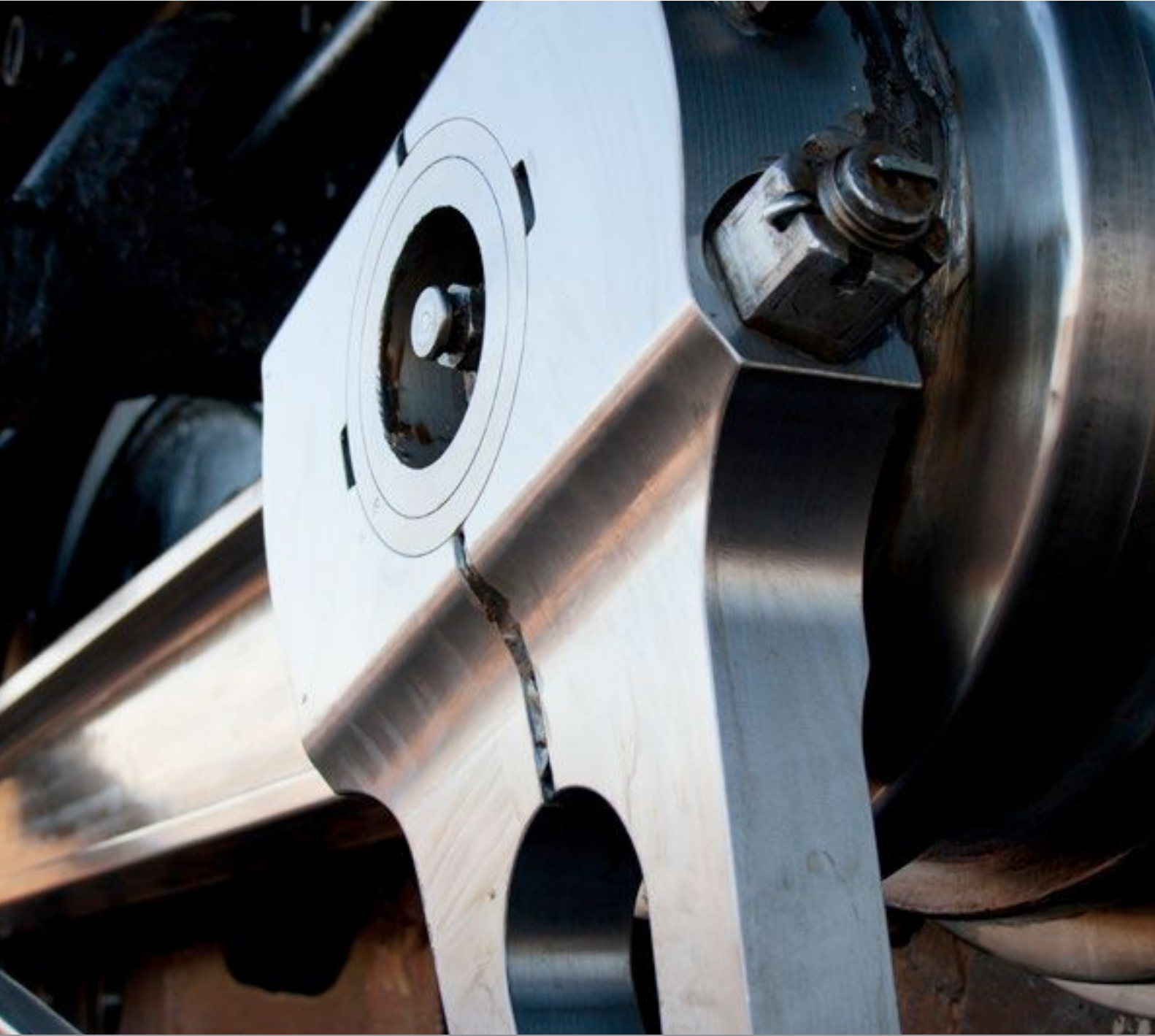




# Delkor Rail

Quality Rolling Stock, Products & Solutions



# Capabilities

## Research and Development

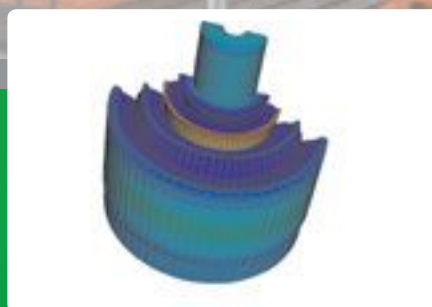
- 40 years experience in development & design of polymeric products
- Advanced research centre in polymer material modifications
- Testing centre for rubber and plastic elastomeric components

## Production

- 200,000sqm production facility for research, trial production and mass production
- ISO9001 and ISO/TS16949:2002 certified
- Annual production of 6,000,000 polymer rubber-to-metal components and 60,000 bridge bearings

## Testing

- Testing of raw materials, formulas, product performance and reliability
- Certified by China Ministry of Railway
- Appointed as contracting laboratory for railway products

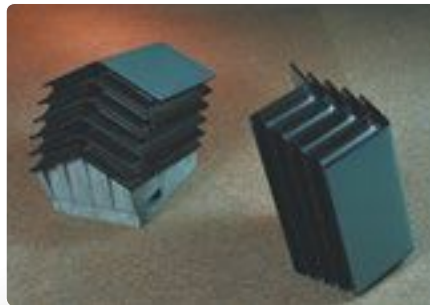
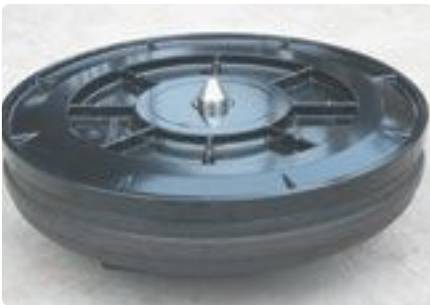


# Rolling Stock

## Primary and Secondary Suspension Components

Delkor Rail and TMT – proven excellence in the design, production, testing, project delivery and after sales service of primary rolling stock components.

- Conical Springs
- Various rubber dampers
- Chevron Springs
- Rubber side bearings
- Traction and torsion bars
- Centre positioning springs
- System parts bushings
- Lateral bumpstops
- Elastomeric positioning sleeves
- Anti roll bars

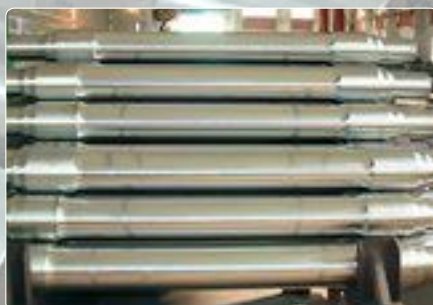


# Rolling Stock

## System Parts and Bogie Components

Delkor Rail and Railteco work in partnership to provide design, production, testing, project delivery and after sales service of secondary rolling stock components, such as:

- Axles
- Wheels
- Wheel sets
- Passenger vehicle bogies
- Freight wagon bogies
- Brake systems
- Coupler systems
- Wagon parts
- Wagons – flat, tank, covered, open top, hopper
- Locomotive and coach parts



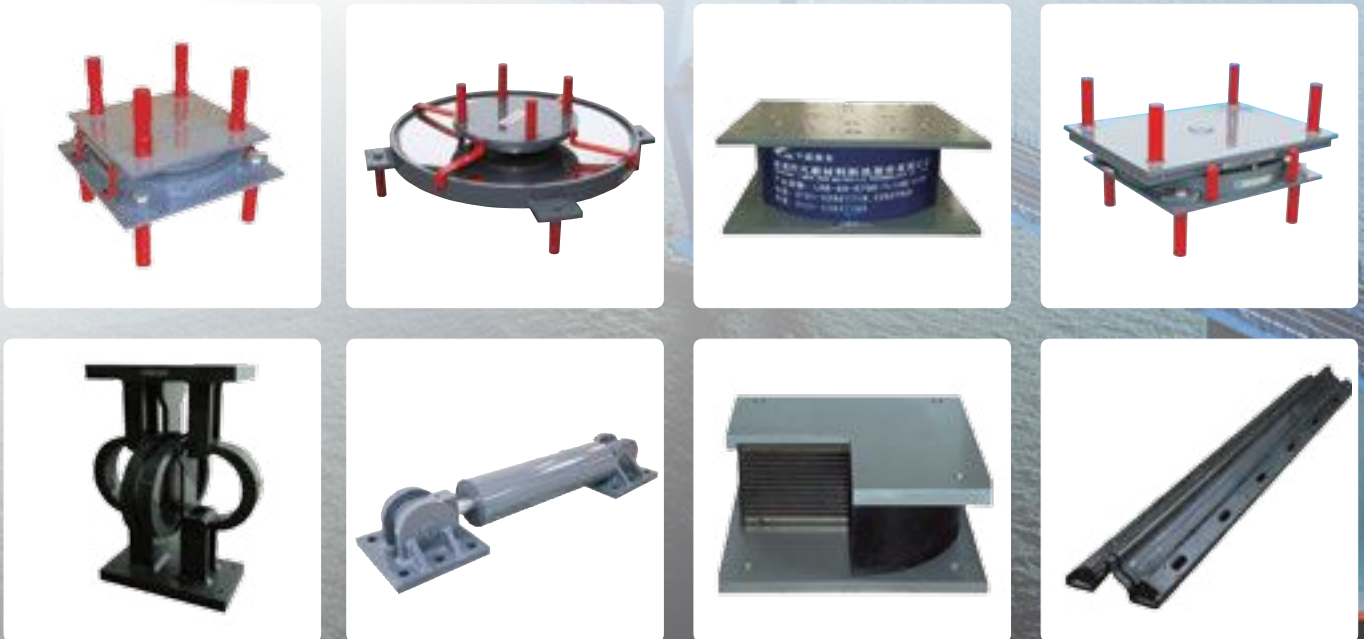
**Railteco**

# Bridge Bearings

Delkor Rail works in partnership with Granor Rubber & Engineering to offer a comprehensive range of bridge bearing products, including:

- Pot bearings
- C-Shape steel damping bearings
- Elastometric bearings
- Shear keys
- Spherical steel damping bearings
- Isolation – seismic bearings
- Viscous damping devices
- Hyperbocoid steel bearings
- Pendulum friction damping
- Expansion joints bearings

Delkor Rail also specialise in the design, development, production, testing and servicing of bridge bearings, expansion joints and vibration isolating rubber bearings. With quality assurance certifications GB/T 1900:2008 and ISO 9001: 2008.





# About Delkor Rail

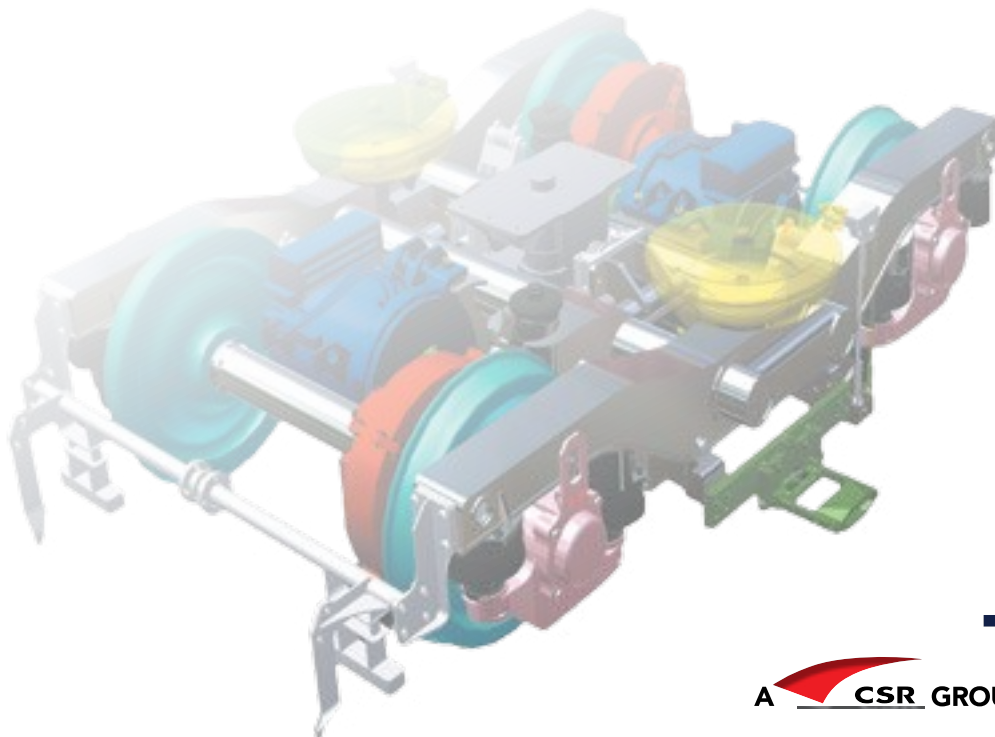
Delkor Rail is a fully owned subsidiary of Zhuzhou Times New Material Technology Co. Ltd (TMT) – who is part of the China Southern Railway (CSR) Group of Companies. CSR are one of the largest rolling stock manufacturers in the world, offering a comprehensive range of rolling stock components and solutions.

**With over 40 years experience TMT specialises in production, sales & service, research & development across the following fields:**

- Rolling stock suspension components
- Various polymer compounds
- Anti-vibration and noise-absorption components

TMT products have been successfully applied to mainline locomotives, passenger and freight cars, and LRV's worldwide across Australia, Europe, North America and South-East Asia.

TMT is also certified to ISO9001 and TS16949.



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