

FASTENING EXCELLENCE ENTIRE SOLUTION

SAFE



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Tel: +86 15205768058 +86 576-83510288

Email: info@sffst.com

Web: www.sffst.com

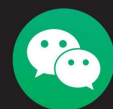
Add: Huangtanyang EDZ, Sanmen County, Zhejiang Province, P.R. China

电话: +86 15205768058 +86 576-83510288

邮箱: info@sffst.com

网址: www.sffst.com zh-cn.sffst.com

地址: 浙江省三门县黄坦洋经济开发区



+86 15205768058



+66 63 719 1409



+66 63 719 1409



SAFE Rail
Fastening System



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Fastening System



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[saferailfastening](https://www.instagram.com/saferailfastening)

为轨道交通扣件行业
提供整体性解决方案



FASTENING EXCELLENCE
ENTIRE SOLUTION

为轨道交通扣件行业 提供整体性解决方案



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Shared Value | 共享价值

• Superior Quality

Through rigorous high-standard manufacturing processes, SAFE ensures our products are safe, durable and reliable.

• 品质至上

凭借高标准的生产工艺精细打磨，赛福产品确保经久耐用、安全可靠。

• Automation Leading

State-of-the-art production lines, integrated with robotic automation and real-time computer monitoring, to optimize operational efficiency, reduce idle time, and streamline labor and management costs.

• 智造先行

采用全自动智能化生产线，打造高科技生产内核，迈向“赛福智造”。

• Fostering Innovation

Leveraging our strong R&D capabilities, SAFE drives productivity through innovation and meets the diverse needs of global markets with customized production methods.

• 创新驱动

依托强大的研发能力，以创新推动生产力，通过定制化生产方式，满足国内外市场的多样化需求。

• Eco-Friendly&Energy-Efficient

SAFE's production processes, from design to implementation, adhere to principles of environmental and energy friendliness, consistently upholding the basic national policy and international responsibility of resource conservation and environmental protection.

• 环保节能

坚持节约资源和保护环境的基本国策和国际责任，贯穿于生产工艺的设计和和实施全过程。

COMPANY CULTURE

企业文化



Vision | 愿景

Fastening Excellence, Entire Solution.

为轨道交通扣件行业 提供整体性解决方案



Mission | 使命

We are dedicated to delivering innovative rail fastening solutions with a focus on R&D, and to offering one-stop and entire solutions with high-quality customer support.

我们以研发创新为引擎，推动轨道扣件技术发展；以卓越服务为桥梁，提供一站式整体解决方案。



Total Investment



Plant Area



总投资超5000万元



占地面积约80亩

SAFE Rail Fastening System not only meets the needs of domestic and international markets but also focuses on customer-centric solutions and exceptional service experiences. We are confident that through continuous effort and innovation, we can make significant contributions to the development of rail transit. The company is your one-stop partner for reliable and innovative rail fastening solutions.

赛福扣件系统（浙江）有限公司，坐落于风景秀丽的浙江省三门县黄坦洋经济开发区，厂区占地面积约 80 亩。自成立之初，我们始终致力于成为铁路扣件系统领域的领导者，以超过 5000 万元的总投资，彰显了对产品质量和技术创新的坚定承诺。

公司具备年产 500 万套轨道交通扣件系统的生产能力，并拥有一个能够容纳 3 万吨产品的自动化立体仓库。我们的专业生产线和实验室配备了百余套国际先进的自动化生产及检测设备，确保每一件产品都符合最高的行业标准。

我们的产品线涵盖了普速铁路、高速铁路、重载铁路、地铁等轨道交通扣件系统，以及各类铁路工务器材，均采用国内外知名大型企业提供的优质原材料制造而成。

在管理上，我们遵循 ISO9001、ISO14001、ISO45001 等国际管理体系标准，实施了卓越绩效管理模式，结合 "7S" 管理、ERP 系统和 JIT 生产管理方式，不断提升生产效率和产品质量。

我们的市场竞争力得到了国内外认可，拥有 CRCC 产品认证（执行标准：TB/T 3065, TB/T 3570, TB/T 3395.2, TB/T 3395.3 等），并且和 TÜV 北德紧密合作进行各类认证（执行标准：EN 13146 & EN 13481），同时，多项实用新型专利和研究发明专利的获得，进一步证明了我们在技术创新方面的领先地位。

赛福扣件系统不仅满足国内外市场的系统需求，更以客户为中心，提供定制化的一站式解决方案和卓越的服务。我们坚信，通过不断的努力和创新，能够为轨道交通事业的发展贡献更多的力量。

Company Introduction

公司简介



SAFE Rail Fastening System (Zhejiang) Co., Ltd. is a leading manufacturer of rail fastening systems with a total investment exceeding 50 million RMB and spanning an area of more than 50,000 m². Strategically located in Zhejiang Province, the heart of China's manufacturing sector, our company is ideally positioned to deliver high-quality products.

Our production capabilities are demonstrated by our annual output of 5 million sets of rail fastening systems and an automated 3D warehouse with a capacity of 30,000 tons. The specialized production lines and laboratories are equipped with over 100 sets of advanced international automation and testing equipment, ensuring that each product meets the highest industry standards.

We offer a full range of high-quality rail fastening systems and railway engineering equipment and tools for various applications, including high-speed rails, conventional rails, heavy haul rails, and metro and subway rails. We ensure outstanding product performance and durability by sourcing raw materials from reputable domestic and international suppliers.

In terms of management, we follow international standards such as ISO 9001, ISO 14001, and ISO 45001, implementing an excellent performance management model. Our practices include "7S" management, ERP systems, and JIT production management, continuously enhancing production efficiency and product quality.

Our market competitiveness is recognized both domestically and internationally, supported by CRCC certification (Standards: TB/T 3065, TB/T 3570, TB/T 3395.2, TB/T 3395.3 and etc) and working closely with TÜV NORD on certifications (Standards: EN 13146 & EN 13481). Additionally, our numerous utility model patents and research invention patents further validate our leading position in technological innovation.



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE



TÜVNORD

SAFE STORY

赛福故事

Established as a rubber products factory in Shanxi, focusing on manufacturing rubber pads for concrete sleepers

在陕西省设立橡胶制品厂，主要经营铁路混凝土枕轨下用橡胶垫板

Original: Baoji Baocheng Railway Track Division Equipment and Materials Factory

前身：宝鸡宝成铁路工务器材厂

1987

2004

One of the first to receive the "Railway Industrial Product Manufacturing License" issued by the Ministry of Railways of the People's Republic of China

首批获得中国《铁道部工业产品制造特许证》

Passed the technical examination of the Transport Bureau of the Ministry of Railways of the People's Republic of China: rubber pads for Type II fastening system, rubber pads for speed-up turnouts, rail gauge insulators for Type III fastening system and rubber pads for Type III fastening system

四种产品通过了铁道部运输局上道技术审查：弹条II型扣件橡胶垫板、提速道岔用橡胶垫板、弹条III型扣件绝缘轨距块、弹条III型扣件橡胶垫板

2007

2006

Reached an annual production of more than 6 million pieces of various types of rubber pads

年产各类橡胶垫板超过600万块

2005

Obtained ISO9001 Quality Management System Certification
获得ISO9001质量管理体系认证

Participated in the revision of CRCC product rubber pad standards

参与修改CRCC产品橡胶垫板认证规则

2013

One of the first to obtain CRCC railway product certification from China Railway Test & Certification Center Limited

首批获得中铁检验认证中心CRCC铁路产品认证

2014

2008

Participated in the compilation of national standard GB/T 21527-2008 for resilient tie pad/elastic pads of rail fastening system

参与编制国家标准轨道交通扣件系统弹性垫板GB/T 21527-2008

To enhance product quality and support the enterprise's growth, we replaced old equipment with a new automated formula production line. This upgrade is aimed at meeting the demands for high-strength, compression-resistant, and wear-resistant rubber pads used in high-speed and conventional rails.

为提高产品质量和企业的进一步发展，淘汰老旧设备，购置了全自动进口配料生产线，以满足生产高铁、普铁用新型高强度抗压耐磨胶垫。

Obtained ISO14001 Environmental Management System Certification

获得ISO14001环境管理体系认证

2020

2018

Reached an annual turnover of 300 million RMB
实现企业年度营业额3亿元

A substantial investment of over RMB 20 million has been made to establish state-of-the-art, fully automated rail clip production lines

投资超2000万人民币，建立了先进的现代化全自动弹条生产线

2021

The establishment of SAFE Rail Fastening System (Zhejiang) Co., Ltd. as the headquarters marked a strategic move toward expanding into global rail transit markets. The launch of the SAFE Rail Fastening System brand and research center aligned with China's 'One Belt, One Road' initiative.

公司在浙江成立总部，推出“赛福扣件系统”全新品牌，并建立研发中心。同时，赛福紧随中国“一带一路”方针政策，开启了进军全球轨道交通市场的战略布局。

2023

2022

Achieved full integration of production resources across the entire fastening system supply chain, ensuring comprehensive control over product quality management and components manufacturing

实现了扣件系统全产业链生产资源的全面整合，确保对产品质量管理和组件制造的全程掌控。

2024

Expanded business scope beyond OEM to OBM, marked by substantial investments in R&D and production of its core products and the successful development of an in-house fastening system.

公司业务完成OEM至OBM的拓展，并加大研发投入，持续改进核心产品，成功自主研发了扣件系统

SAFE Rail Fastening System (Thailand) Co., Ltd established, aimed at Southeast Asia market

成立赛福扣件系统（泰国）有限公司，目标东南亚市场

In the process of planning globalization development
全球化进程持续中……

R&D 研究开发

Focus on technological innovation in rail transit
integration of Industry-University-Research

聚焦未来轨道交通技术创新
推动产学研一体化全面发展

SAFE Shanghai Research Center is aimed to solve
engineering problems in rail transit industry

赛福上海研发中心
解决铁路工程难题



Shanghai R&D Center

上海研发中心



• International Joint R&D Center for Rail Fastening System | 轨道交通扣件系统国际联合研发中心

Our company has established the International Joint R&D Center for Rail Fastening System in close collaboration with Shanghai University of Engineering Science. This center is dedicated to the innovative research and development, cutting-edge technical services, and practical engineering application of rail fastening systems.

我司与上海工程技术大学精诚合作，共同设立轨道交通扣件系统国际联合研发中心。本中心致力于轨道交通扣件的创新研发、前沿技术服务及工程应用。

Led by state-level high-caliber talent, our core R&D team focuses on the comprehensive study and technological transformation of rail fastening systems, with particular expertise in vibration and noise reduction, and environmental protection technologies. Our aim is to provide the industry with efficient and practical solutions.

中心汇聚国家级高层次人才，核心研发团队专注于轨道交通扣件系统的全面研究与成果转化，尤其在减振降噪环保技术方面拥有深厚造诣，旨在为行业提供高效及切实可行的解决方案。

We specialize in providing customized fastening solutions for various lines, including conventional railways (meter gauge, standard gauge, broad gauge), high-speed railways, metro vibration-reducing tracks (medium and high-level), and heavy-haul railways, to meet their diverse performance requirements concerning speed, axle load, and more.

我们专注于为普速（米轨、标轨、宽轨）、高速、地铁减振（中、高等级）及重载铁路等不同线路提供定制化的扣件解决方案，以满足其在速度、轴重等方面的多样化性能需求。

• Core R&D Capabilities | 核心研发能力

The R&D Center boasts comprehensive capabilities in fastening system design, precise calculation, and rigorous product testing. Our services include:

研发中心具备全面的扣件系统设计、精确检算与严谨产品试验能力，具体服务范围包括：

• Fastening System Type Selection and Optimization 扣件类型比选与优化

• **Precise Mechanical Parameter Calculation:** Covering clip toe load, deflection, static stiffness under rail, longitudinal and lateral resistance, rail anti-tilting force, bolt pull-out resistance, insulation performance, as well as gauge and level adjustment.

力学参数精细计算：涵盖弹条扣压力、弹程、轨下静刚度、纵横向阻力、钢轨抗倾翻力、螺栓抗拔力、绝缘性能以及轨向/高低调整量等关键指标。

• **Optimized Stress Distribution for Spring Clips:** Aiming to reduce working stress and significantly extend fatigue life.

弹条受力深度优化：有效降低工作应力，显著延长疲劳使用寿命。

• **Component and System-Level Design:** From drawing preparation to material selection and determination of mechanical and weather resistance performance indicators.

部件级与系统级设计：从图纸绘制到材料优选、性能指标（力学与耐候）确定。

• Testing, Validation, and Standardization | 试验验证与标准化

We ensure the reliability and compliance of our R&D outcomes through:

我们确保研发成果的可靠性与合规性：

• Component Prototyping, Assembly, and Quality Inspection 部件试制、组装与质量检验

• **Comprehensive Testing and Validation:** Including fastening system assembly fatigue, longitudinal resistance, pre-embedded part pull-out resistance, electrical insulation, and weather resistance tests, among others.

全方位试验验证：包括扣件组装疲劳、纵向阻力、预埋件抗拔、电气绝缘及耐候性等严苛测试。

• **Provide Inspection and Testing Reports with CMA/CNAS Accreditation** 出具CMA/CNAS检验检测报告

• **Technical Review and On-site Application:** Organizing expert reviews for fastening systems and overseeing the laying and validation of test sections.

技术评审与现场应用：组织行业专家进行扣件评审，并负责试验段的铺设与验证。

• **Standard Development and Outcome Management:** Responsible for drafting enterprise manufacturing standards and supply technical specifications for fastening systems, as well as reporting research outcomes.

标准制定与成果管理：负责编制扣件制造企业标准、供货技术条件，并进行成果报备。

To Provide EPC+M+O Entire Solutions In Rail Fastener Industry

为轨道交通扣件行业提供EPC+M+O整体性解决方案

• ENGINEERING | 设计与研究

Offering one-stop and entire service: expert research and design services, including fastening system engineering consultation, design and test, with a focus on innovation. Our system designs address factors such as attenuation of noise and vibration (vibration damping and noise reduction), passenger comfort, and maintenance cost reduction and etc.

提供创新性的研究和设计服务，包括扣件系统工程咨询、设计和检测。我们的系统设计专注于减振降噪、提升乘客舒适度以及降低维护运营成本等方面。

- Fastening system consultation 扣件系统咨询
- Fastening system design 扣件系统设计
- Fastening system test 扣件系统检测

• PROCUREMENT | 制造与采购

Offering one-stop and entire service: design, manufacture and procurement of product mould, checking jig and tools for installation; offering qualified in-house and third party products test report; production and assembly of all the components and parts in the fastening system, packing and shipping to your door.

提供一站式服务，其中包括：产品模具、检具、安装工具的设计、制造、采购；工厂合格的产品报告和第三方检测报告；扣件系统中所有零部件的生产、组装、包装和运货上门。

- Mould design and manufacture 模具设计与生产
- Checking jig design and procurement 检具设计与采购
- Tools procurement 工具采购
- Test report provided 提供检测报告
- Production and assembly of components and parts 零部件的生产与组装
- Packing and shipping 包装与运输

• CONSTRUCTION | 安装与施工

Offering one-stop and entire service: our company specializes in providing a wide array of services to support on-site construction projects, including expert counseling to ensure smooth project execution and comprehensive on-site worker system training designed specifically for installation tasks. Our goal is to enhance the efficiency and quality of every construction project through our tailored services and training initiatives.

提供一站式服务，其中包括确保项目顺利实施的专家咨询和专门为安装任务设计的全面工人培训计划。我们的目标是通过量身定制的服务和培训计划提高每个施工项目的效率和质量。

- On-site construction counselling 现场安装施工咨询
- On-site worker system training 现场人员系统培训

• MANAGEMENT | 项目管理

According to customer needs, we provide EPC project management services focused on fastening systems, we offer comprehensive, customized project management services from design to delivery. We ensure projects are completed on time, within budget, and to the highest quality standards. Our services include:

根据客户需求，我们提供EPC全流程、定制化的项目管理服务，从设计到交付，全程把控，确保项目按时、按预算、高质量完成。我们的服务包括：

- **System Design Management:** Tailored system design solutions to meet your specific needs.
- **Procurement Management:** Rigorous control of procurement costs to ensure the quality of purchased materials.
- **Manufacturing Management:** Oversight of the manufacturing process to guarantee product quality.
- **Installation Management:** Detailed management of on-site construction to ensure timely and high-quality installation.
- **Trial Project Management:** Strict adherence to standards to ensure the system's stable operation.

Choose us for professional, efficient, and reliable EPC project management.

系统设计：根据您的需求，量身定制最优化的系统设计方案。

采购管理：严格控制采购成本，确保采购材料的质量。

制造管理：监督产品制造过程，保证产品质量。

安装管理：精细化管理现场施工，确保安装进度和质量。

调试管理：严格按照标准进行调试，确保系统稳定运行。

选择我们，即选择了专业、高效、可靠的EPC项目管理合作伙伴。

• OPERATION | 项目运营

According to customer needs, we provide a full range of flexible, efficient, and stable operational solutions tailored to your specific requirements.

根据客户需求，我们提供全方位，灵活定制、高效稳定的运营解决方案。

- Global Service Network:** We have established a comprehensive service network worldwide, offering localized technical support 24/7 to ensure our fastening system operates stably and continuously.
- Customized One-Stop Solution:** We provide end-to-end, customized services from system deployment, and daily maintenance, to performance enhancement, ensuring a seamless and efficient process.
- Expert Technical Team:** With deep industry expertise and technical capabilities, we guarantee the long-term stability and reliability of your systems.
- Ongoing Optimization and Upgrades:** We follow the latest industry trends, offering the most cutting-edge technological solutions.
- Commitment to Excellence:** Our dedication to excellence ensures that every aspect of our service meets the highest standards of quality and professionalism.

Select us for our professional, dependable, and efficient operational services that are designed to exceed your expectations.



全球化服务网络：在全球范围内建立完善的服务中心，7*24小时为您提供本地化的技术支持，确保扣件系统始终稳定运行。

一站式解决方案：从系统部署、日常维护到性能优化，我们提供全流程、定制化的服务。

专业技术团队：拥有深厚的行业知识和技术实力，保障系统的长期稳定性和可靠性。

持续优化升级：不断跟踪行业发展趋势，为您的系统提供最先进的技术解决方案。

选择我们，即选择专业、可靠、高效的运营服务。

OEM

As your trusted OEM partner, we possess cutting-edge production technology, advanced manufacturing equipment and a highly experienced engineering team. We are capable of precisely interpreting your product requirements and transforming your design concepts into reality.

All you need to provide is:

- Product specifications:** Detailed product dimensions, materials, functions, and other requirements.
- Technical drawings:** Accurate 2D/3D design drawings, or concept sketches.

We will provide you with:

- Rapid response:** We will provide you with a professional quotation and feasibility analysis in the shortest possible time.
- Tailored customization:** We will tailor unique products to meet your specific needs based on your requirements.
- Strict quality control:** We use advanced testing equipment to ensure product quality is stable and reliable.
- Dedicated service:** We provide full-process services from design, and production to delivery, and track project progress throughout the process.

Why choose us?

- Professional technology:** We have years of OEM production experience, accumulating rich industry knowledge and technology.
- Customization advantages:** We specialize in customized production and can meet your various complex product needs.
- Quality assurance:** We always adhere to quality as the core and ensure that products meet your high standards.
- Efficient service:** We have efficient production processes and a professional team that can quickly respond to your needs.

Start your customization journey, contact us now!

Contact information:

- Email:** info@sffst.com
- Official website:** www.sffst.com

作为您值得信赖的OEM合作伙伴，我们拥有精湛的生产工艺、先进的制造设备和经验丰富的工程团队，能够精准解读您的产品需求，并将您的设计理念转化为现实。

您只需提供：

产品规格：详细的产品尺寸、材料、功能等要求。

技术图纸：精确的2D/3D设计图纸，或概念草图。

我们将为您：

快速响应：在最短的时间内为您提供专业的报价和可行性分析。

量身定制：根据您的需求，量身打造独一无二的产品，满足您的个性化需求。

严格质量控制：采用先进的检测设备，确保产品质量稳定可靠。

贴心服务：提供从设计、生产到交付的全流程服务，全程跟踪项目进度。

为什么选择我们？

专业技术：我们拥有多年的OEM生产经验，积累了丰富的行业知识和技术。

定制优势：我们专注于定制化生产，能够满足您各种复杂的产品需求。

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FASTENING SYSTEMS

扣件系统

E54AV Fastening System E54AV 扣件系统



Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Rail Clip 弹条	E54AV	4	
2	Rail Gauge Insulator 轨距块	UIC54	4	
3	Cast Shoulder 预埋铁座	SH54	4	
4	Rail Pad 轨下垫板	140	2	

E2007 Fastening System E2007 扣件系统

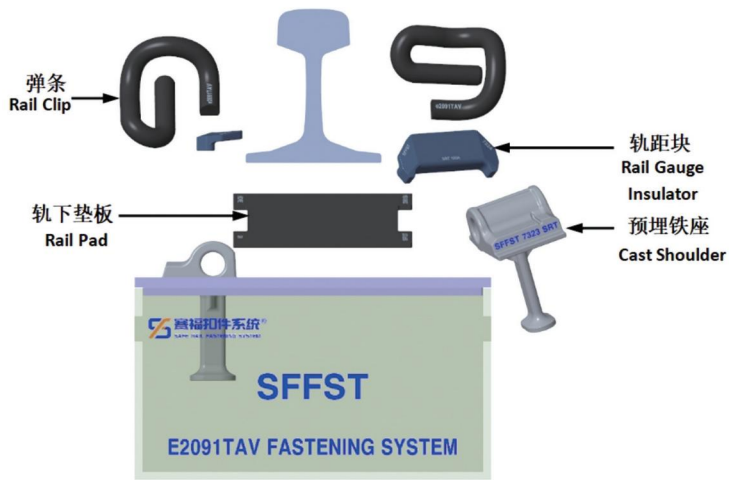


Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Rail Clip 弹条	E2007	4	
2	Rail Gauge Insulator 轨距块	5720	4	
3	Cast Shoulder 预埋铁座	7200	4	
4	Rail Pad 轨下垫板	7031	2	

Note: The above products are all licensed and legally manufactured. 备注：以上产品均为许可合法制造

E2091TAV Fastening System E2091TAV 扣件系统



Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Rail Clip 弹条	E2091TAV	4	
2	Rail Gauge Insulator 轨距块	-	4	
3	Cast Shoulder 预埋铁座	-	4	
4	Rail Pad 轨下垫板	-	2	

NABLA C1 Fastening System NABLA C1 弹片扣件系统



Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Rail Clip 弹片	NABLA C1	4	
2	Screw Spike 螺旋道钉	Tr 22X160	4	
3	Flat Washer 平垫圈	Ø50XØ25X3	4	
4	Rail Gauge Baffle 轨距挡板	-	4	
5	Rubber Pad 橡胶垫板	-	2	
6	Nylon Dowel 尼龙套管	-	4	

Note: The above products are all licensed and legally manufactured. 备注：以上产品均为许可合法制造

S21 Fastening System S21 扣件系统



Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Tension Clamp 弹条	SFFST 21	4	
2	Screw Spike + Flat Washer 螺旋道钉 + 平垫圈	Ss35/DHS35 Ø24X160+ULs7	4	
3	Rail Gauge Baffle 轨距挡板	sffst 21k -12	4	
4	Rail Pad 轨下垫板	xxx/175/y	2	
5	Nylon Dowel 尼龙套管	sdu25	4	

S30HH Fastening System S30HH 扣件系统



Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Tension Clamp 弹条	SFFST 30	4	
2	Screw Spike + Flat Washer 螺旋道钉 + 平垫圈	Ss35/DHS35 Ø24X160+ULs7	4	
3	Rail Gauge Baffle 轨距挡板	sffst 30k -12 HH	4	
4	Rail Pad 轨下垫板	Zw xxx/175/y-st160	2	
5	Nylon Dowel 尼龙套管	sdu25	4	

Note: The above products are all licensed and legally manufactured. 备注：以上产品均为许可合法制造

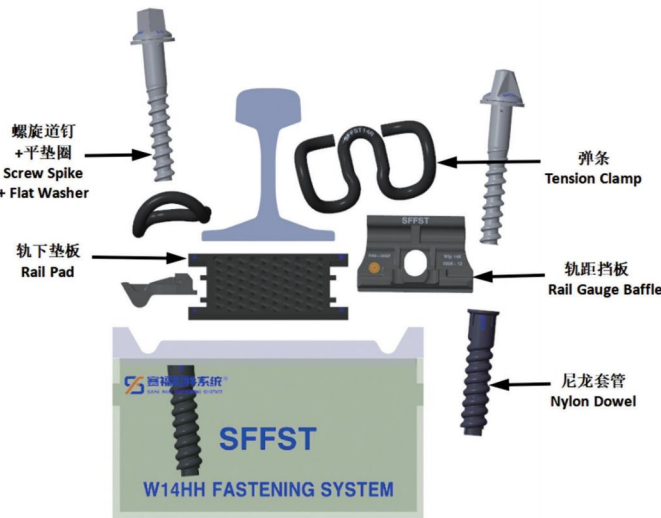
W14 Fastening System W14 扣件系统



Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Tension Clamp 弹条	SkL 14	4	
2	Screw Spike + Flat Washer 螺旋道钉 + 平垫圈	Ss35/DHS35 Ø24X160+ULs7	4	
3	Rail Gauge Baffle 轨距挡板	Wfp 14k-12	4	
4	Rail Pad 轨下垫板	xxx/160/y	2	
5	Nylon Dowel 尼龙套管	sdu25	4	

W14HH Fastening System W14HH 扣件系统

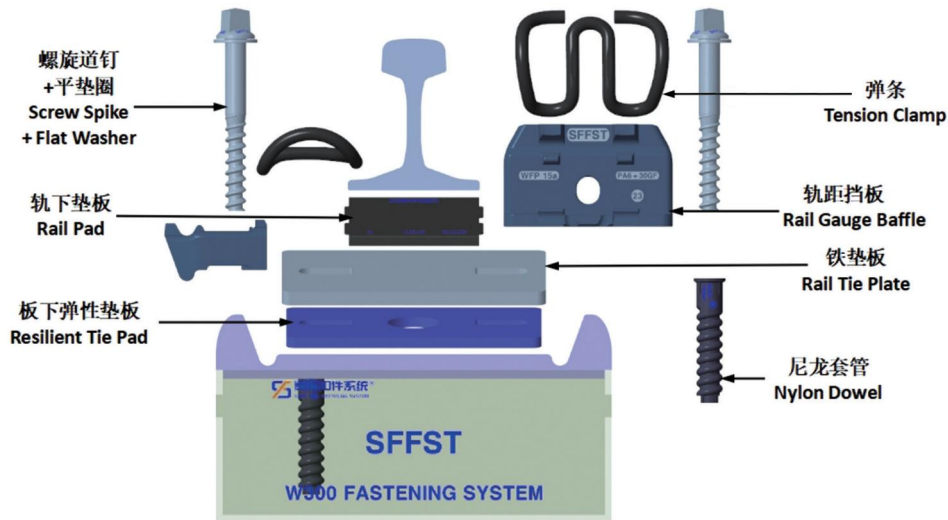


Components of single sleeper
单根轨枕扣件各零部件配置表

No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Tension Clamp 弹条	SkL 14R	4	
2	Screw Spike + Flat Washer 螺旋道钉 + 平垫圈	Ss35/DHS35 Ø24X160+ULs7	4	
3	Rail Gauge Baffle 轨距挡板	Wfp 14k 700R-12	4	
4	Rail Pad 轨下垫板	xxx/175/y	2	
5	Nylon Dowel 尼龙套管	sdu25	4	

Note: The above products are all licensed and legally manufactured. 备注：以上产品均为许可合法制造

W300 Fastening System W300 扣件系统

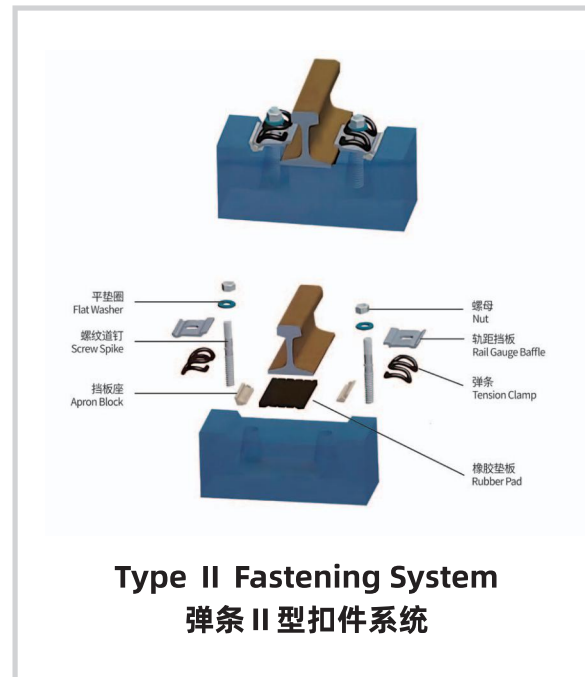
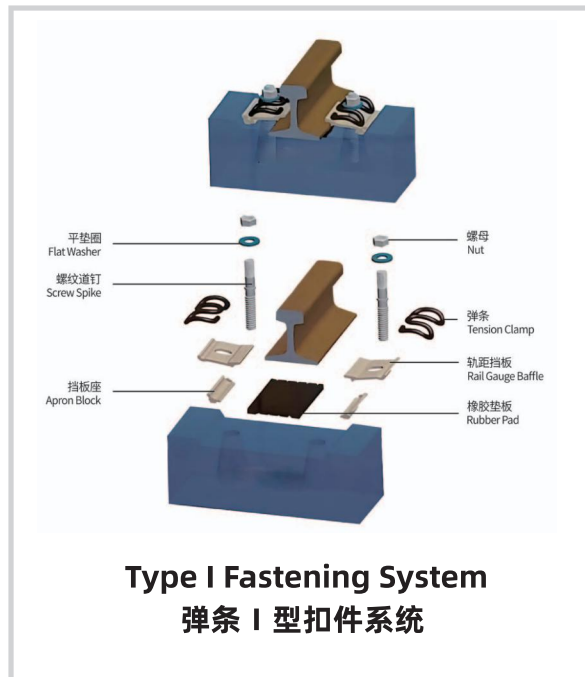


Components of single sleeper
单根轨枕扣件各零部件配置表

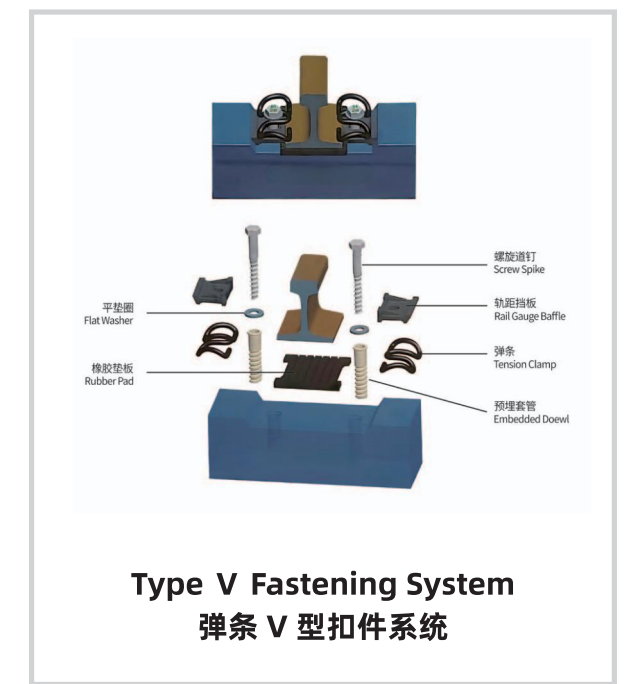
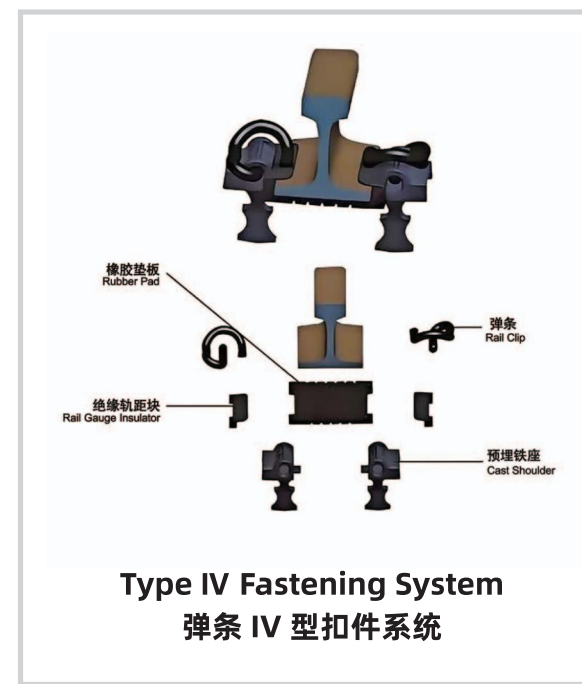
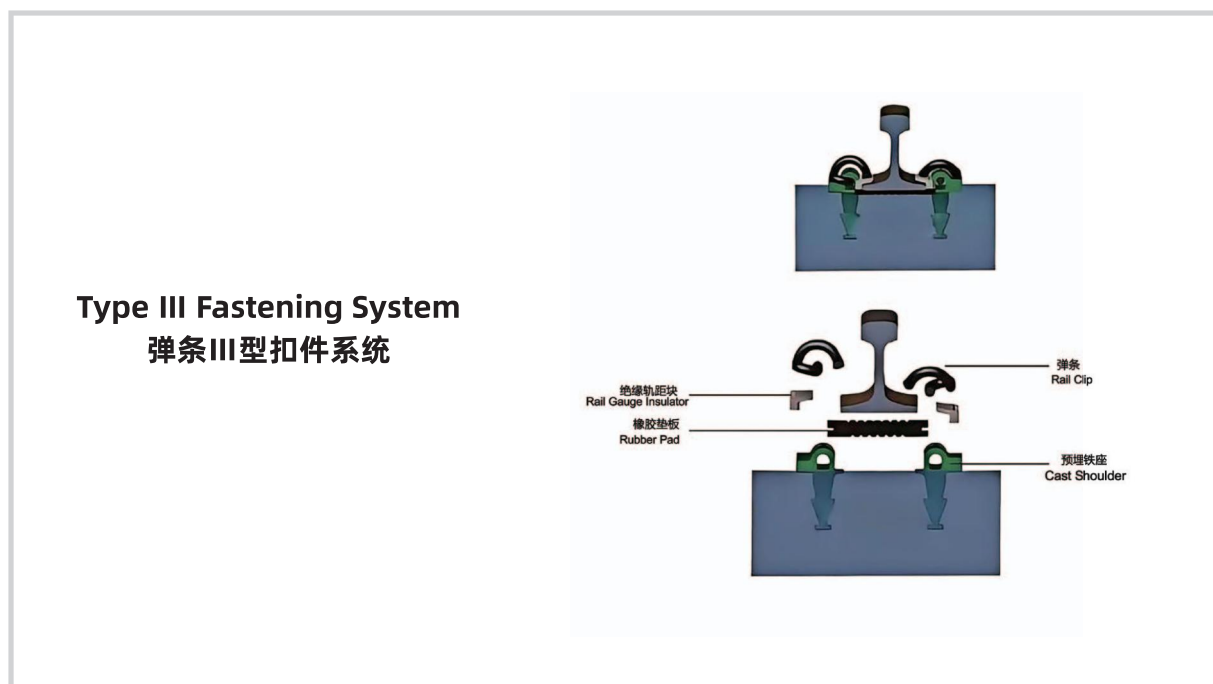
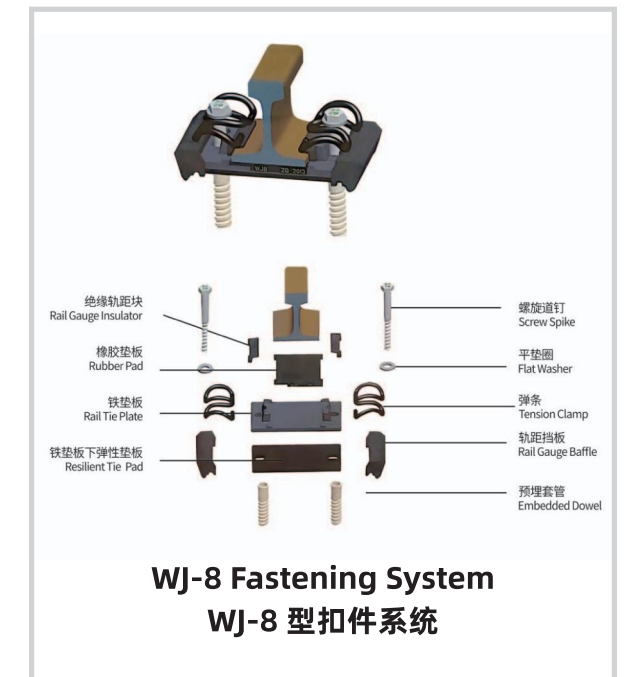
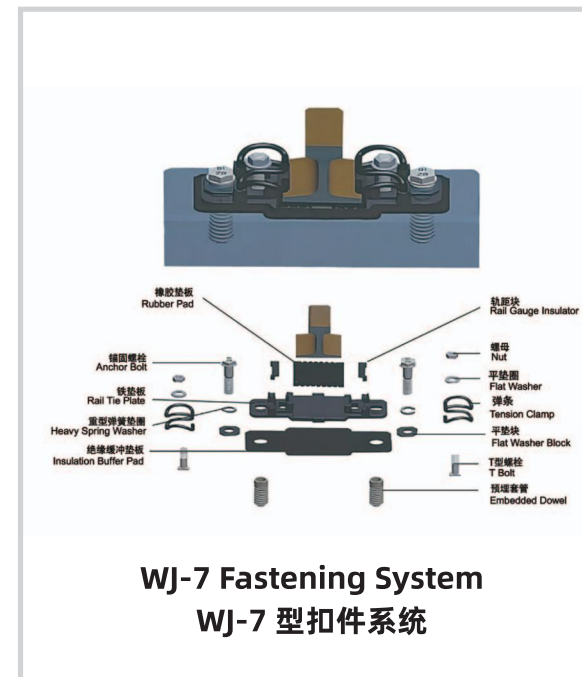
No. 序号	Item 名称	Specification 规格型号	Quantity/Pcs 数量 /Pcs	Note 备注
1	Tension Clamp 弹条	SkL 15	4	
2	Screw Spike + Flat Washer 螺旋道钉 + 平垫圈	Ss36 Ø24X230+ULs7	4	
3	Rail Gauge Baffle 轨距挡板	Wfp 15a	4	
4	Rail Pad 轨下垫板	Zw 692-6	2	
5	Rail Tie Plate 铁垫板	GRP 21/150	2	
6	Resilient Tie Pad 板下弹性垫板	ZwP 104NT-22.5	2	
7	Nylon Dowel 尼龙套管	sdu26	4	

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Conventional Rail Fastening Systems 普速铁路扣件系统



High-speed Rail Fastening Systems 高速铁路扣件系统

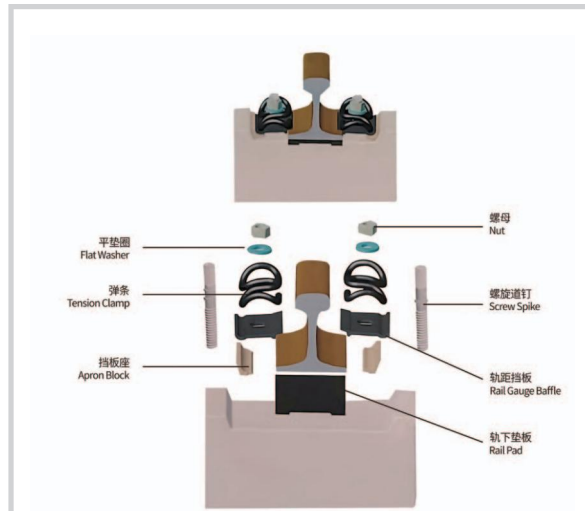


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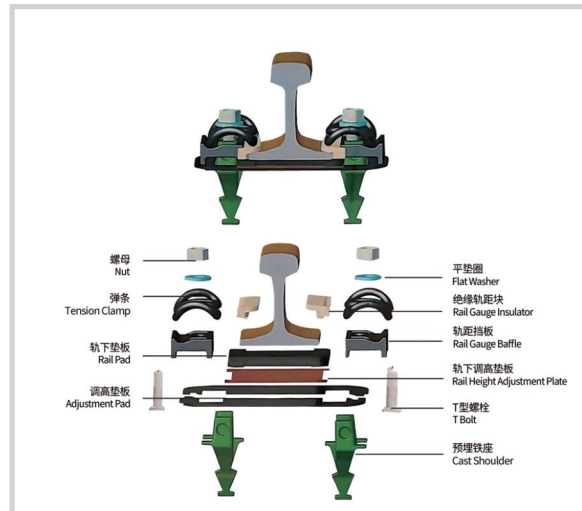
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Heavy Haul Rail Fastening System 重载铁路扣件系统

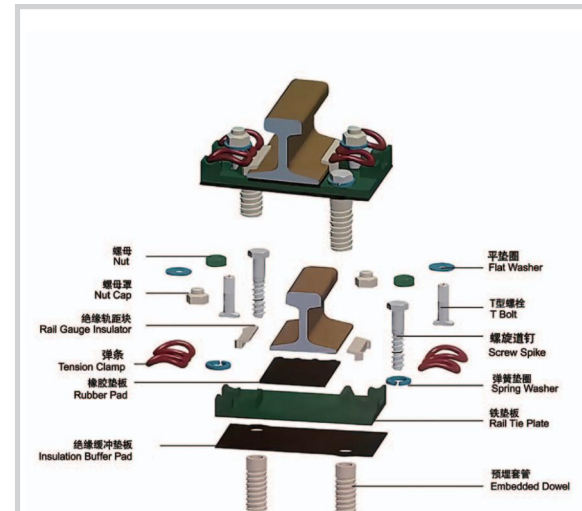
Metro&Subway Rail Fastening System 地铁扣件系统



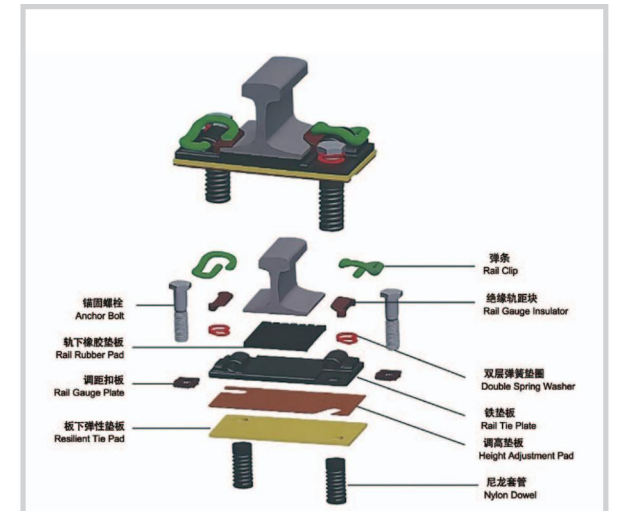
Type VI Fastening System
弹条VI型扣件



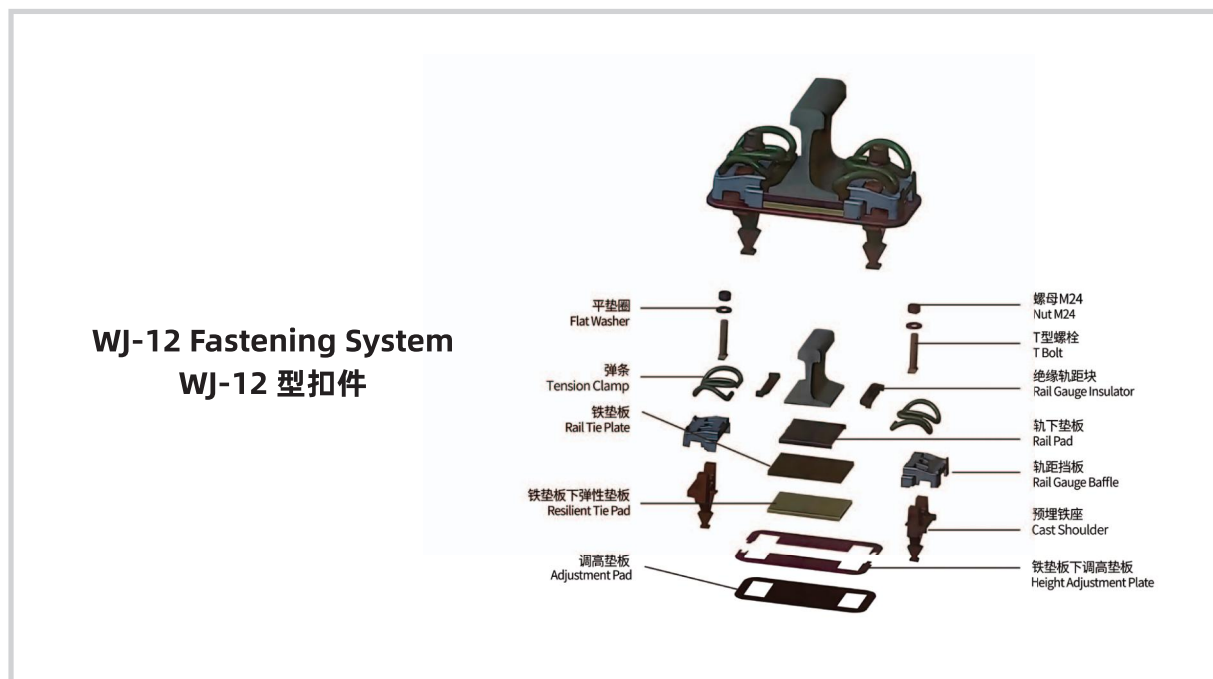
Type VII Fastening System
弹条VII型扣件



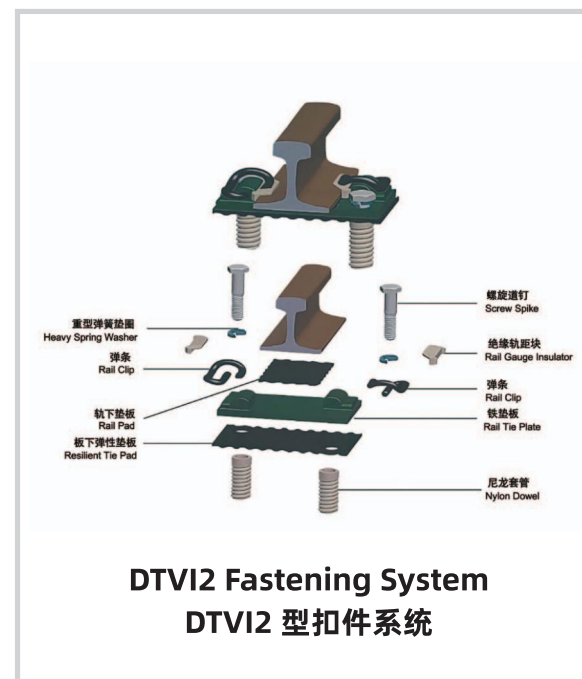
DJK5-1 Fastening System
DJK5-1 型扣件系统



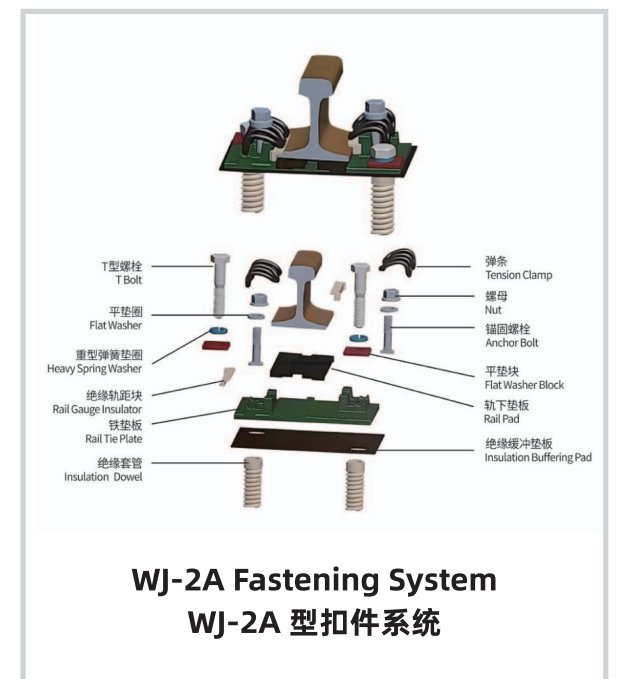
DZ III Fastening System
DZ III型扣件系统



WJ-12 Fastening System
WJ-12 型扣件



DTVI2 Fastening System
DTVI2 型扣件系统



WJ-2A Fastening System
WJ-2A 型扣件系统

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Note: The above products are all licensed and legally manufactured. 备注：以上产品均为许可合法制造

PRODUCT SELECTIONS

产品系列

Metal Parts 金属件

- Rail Clip/Tension Clamp/k-type Clip/Nabla Blade
弹条/扣板/弹片
- Bolt 螺栓
- Spike 道钉
- Nut 螺母
- Washer 垫圈
- Rail Gauge Baffle 轨距挡板
- Fish Plate 鱼尾板

Non-metal Parts 非金属件

- Rail Pad 轨下垫板
- Baseplate Pad 板下垫板
- Resilient Tie Pad/Elastic Pad 弹性垫板
- Height Adjustment Pad/Insulation Buffer Pad
调高垫板/绝缘缓冲垫板
- Rail Gauge Baffle 轨距挡板
- Rail Gauge Insulator 绝缘轨距块
- Dowel 套管
- Vibration and Noise Mitigation Systems
轨道隔振与减振降噪系统

Casting Parts 铸造件

- Rail Baseplate/Rail Tie Plate 铁垫板
- Cast Shoulder 预埋铁座
- Rail Gauge Baffle 轨距挡板

Other Products 其他产品

- Railway Rubber Insertion Strip 橡胶轮缘槽嵌条
- Railway Rubber Level Crossing 橡胶道口板
- Railway Rubber Walking Board 橡胶步行板
- Railway Ballast Baffle 橡胶挡砟板

MAIN PRODUCTS

主营产品

Metal Parts 金属件

Note: OEM/ODM accepted
备注: 可接受定制(各类型号)

Rail Clip/Tension Clamp/k-type Clip/Nabla Blade 弹条/扣板/弹片



W Tension Clamp



SKL Tension Clamp



e-Clip, Fast-Clip



k-type Clip



Nabla Blade

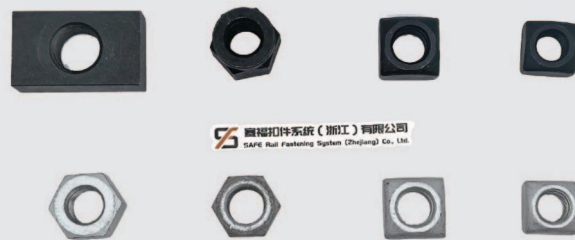
Bolt 螺栓



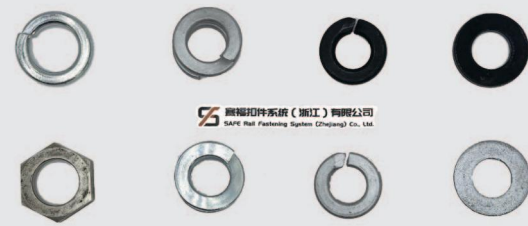
Spike 道钉



Nut 螺母



Washer 垫圈



Rail Gauge Baffle
轨距挡板



Fish Plate
鱼尾板



Non-metal Parts 非金属件

Note: OEM/ODM accepted
备注: 可接受定制(各类型号)

Rail Pad
轨下垫板



Baseplate Pad
板下垫板



Resilient Tie Pad/Elastic Pad
弹性垫板



Height Adjustment Pad/Insulation Buffer Pad
调高垫板/绝缘缓冲垫板



Rail Gauge Baffle
轨距挡板



Rail Gauge Insulator
绝缘轨距块



Dowel
套管



Vibration and Noise Mitigation Systems
轨道隔振与减振降噪系统



Casting Parts 铸造件

Note: OEM/ODM accepted
备注: 可接受定制(各类型号)

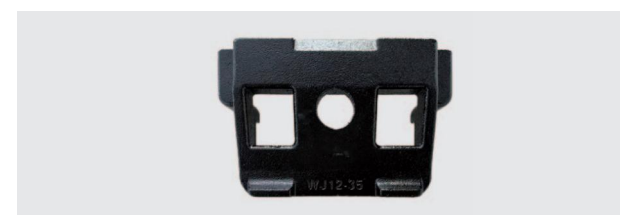
Rail Baseplate/Rail Tie Plate
铁垫板



Cast Shoulder
预埋铁座



Rail Gauge Baffle
轨距挡板



Other Products 其他产品

Note: OEM/ODM accepted
备注: 可接受定制(各类型号)

Railway Rubber Insertion Strip

橡胶轮缘槽嵌条



Railway Rubber Level Crossing

橡胶道口板



Railway Rubber Walking Board

橡胶步行板



Railway Ballast Baffle

橡胶挡砟板



PRODUCTION LINES

生产线

AUTOMATIC RAIL CLIP/TENSION CLAMP PRODUCTION LINES

全自动弹条生产线



Automatic rail clip/tension clamp production lines can produce a variety of rail clips/tension clamps for the fastening system. From cutting, heating, molding, quenching, tempering, surface treatment, anti-corrosion treatment, and packaging, to warehousing, all processes have been fully automated and mechanized.

全自动弹条生产线可生产各种扣件系统所用的弹条。从切断、加热、压型、淬火、回火、表面处理、防锈处理，到包装和入库等工艺流程，均已实现全自动机械化操作。



AUTOMATIC POLYURETHANE POURING MACHINE PRODUCTION LINES

全自动聚氨酯浇注生产线

Automatic polyurethane pouring machine production lines can produce resilient tie pad/elastic pad, baseplate pad, rail pad, etc. Automatic and digital CNC is also adopted throughout the whole process, from pouring, mold opening, closing to demoulding and taking out parts.



全自动聚氨酯浇注生产线可生产弹性垫板、板下垫板、轨下垫板等聚氨酯类产品，采用全程数字化CNC控制，从浇注、开模、闭模到脱模取件全部自动完成。



RUBBER PRODUCTS PRODUCTION LINES

橡胶制品生产线

The rubber products production lines are equipped with complete production equipment, with process flows involving automatic batching, automatic mixing, and vulcanization. It features advanced testing equipment and a comprehensive quality management system. We can develop, manufacture, and customize various rubber products, such as rubber pads, rubber boots, railway rubber level crossing and etc., according to customer requirements.



橡胶制品生产线生产设备齐全，工艺流程涉及自动配料，自动密炼到硫化等，具有先进的检测设备和完善的质量管理体系，可根据客户需求，研发、代工、定制各类橡胶品，如橡胶垫板，橡胶套靴，橡胶道口板等产品。



INJECTION MOLDING PRODUCTION LINES

注塑产品生产线

The lines mainly produce various types of rail gauge insulators, rail gauge baffles, embedded dowels, height adjustment pads, and other products. It adopts a fully automatic central feeding system and a new injection molding machine, which can ensure product quality and improve production efficiency.

注塑生产线主要生产各类铁路绝缘轨距块、轨距挡板、预埋套管、调高垫板等产品，采用全自动中央供料系统与新型注塑机，既能保证产品质量又能提高生产效率。



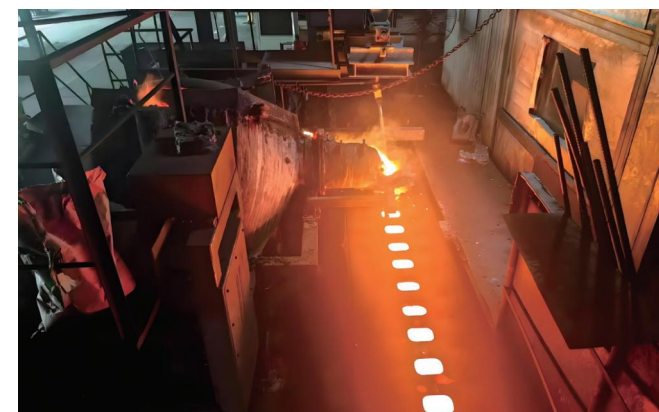
CASTING PRODUCTION LINES

铸造生产线



The production lines mainly produce rail tie plate/rail baseplate, cast shoulder, all kinds of gusset plate, rail support and frog with sliding bed plate and other cast iron products. The quality of our product is very stable and the production is highly efficient.

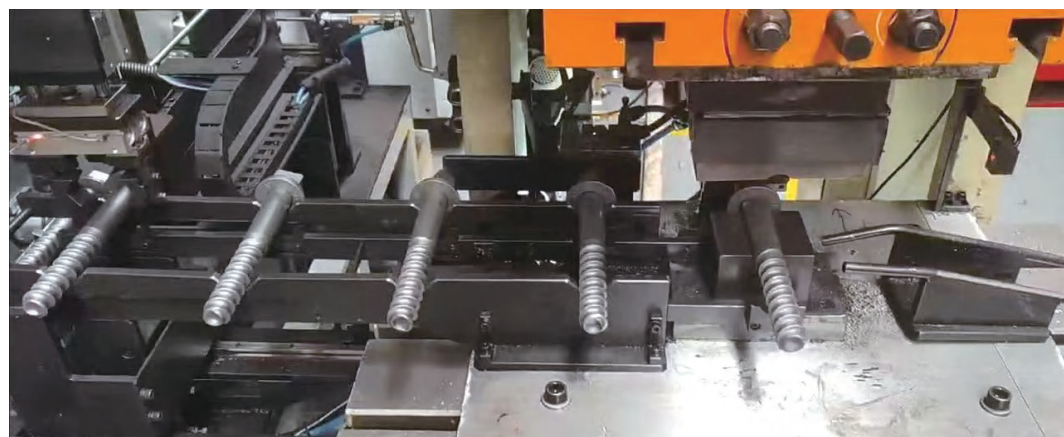
铸造生产线主要生产铁路专用铁垫板、预埋铁座、各种扣板、轨撑及辙叉用滑床板，以及其他铸造类产品。生产工艺稳定、效率高。



SPIKE&NUT&BOLT&WASHER PRODUCTION LINES 道钉螺栓螺母垫圈生产线

The production of railway fasteners, such as spikes, bolts, nuts, and washers, is a vital part of modern railway infrastructure. These highly automated production lines ensure the supply of high-quality fasteners, contributing to the safety and reliability of railway systems.

道钉、螺栓、螺母、垫圈生产线是现代铁路基础设施建设的重要组成部分，其自动化程度高、生产效率高，为铁路系统的安全运行提供了可靠保障。

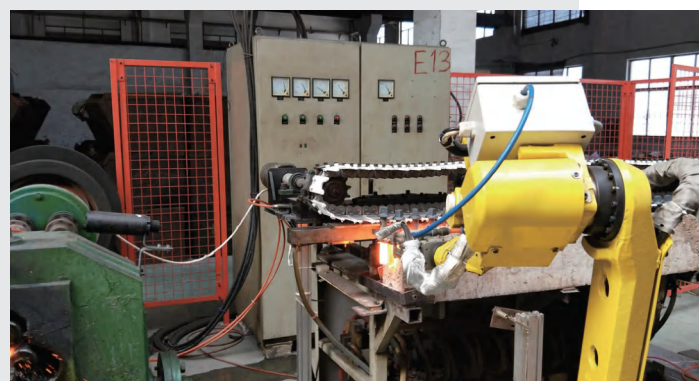


The manufacturing processes for these components differ:

- Spikes:** Require complex processes including forging and heat treatment.
- Bolts:** Involve turning, milling, and thread cutting operations.
- Nuts:** Are primarily produced through stamping and forming.
- Washers:** Are manufactured using relatively simple stamping processes.

各类产品生产线的特点：

- 道钉生产线：**工艺相对复杂，涉及锻造、热处理等工艺。
- 螺栓生产线：**主要涉及车削、铣削、螺纹加工等工艺。
- 螺母生产线：**主要涉及冲压、成型等工艺。
- 垫圈生产线：**工艺相对简单，主要为冲压成型。



LABORATORIES 实验室

Metal Lab | 金属实验室

Key testing items: Hardness, Metallographic structure, Decarbonization layer, Residual deformation, Fatigue performance, Anti-corrosion performance and etc.

Standards: TB/T 3065, TB/T 3570, TB/T 3395.2, TB/T 3395.3, EN 13146, EN 13481, and etc.

关键检验项目：硬度，金相，脱碳层，残余变形，疲劳性能，防锈性能等。

执行标准：TB/T 3065, TB/T 3570, TB/T 3395.2, TB/T 3395.3, EN 13146, EN 13481等。



Direct reading spectrometer
直读光谱仪



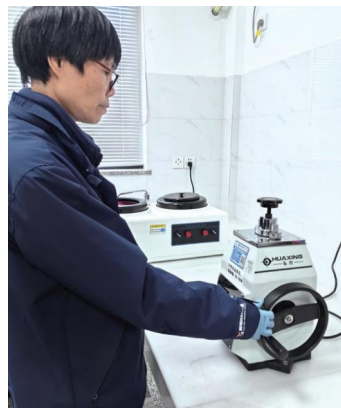
Metallographic sample pregrinding machine,
Metallographic sample polishing machine
金相试样预磨机、金相试样抛光机



Pressure testing machine
压力试验机



Brinell hardness machine
布氏硬度计



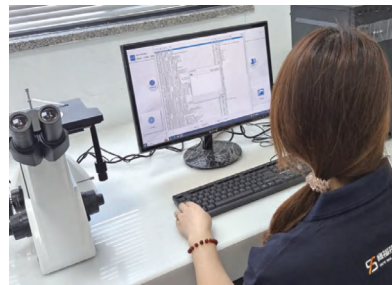
Metallographic sample setting machine
金相试验镶嵌机



Automatic sample cutting machine
全自动试样切割机



Magnetic particle flaw detector
磁粉探伤机



Inverted metallographic microscope
倒置金相显微镜



So₂ salt spray tester
二氧化硫盐雾试验机

Raw Mat.&WIP&FG lab testing will make sure all the indicators meet the requirements, so that immediate actions could be taken accordingly. This is the key to achieving better quality, to reducing defective rate and to saving cost.

原材料&半成品&成品实验室检验：确保所有指标到达要求，提供及时的管理措施，更好地进行产品质量的把控，因此减少次品率和浪费，从而节约生产成本。



Rockwell hardness machine
洛氏硬度计



Universal material testing machine
万能材料试验机



Clip fatigue testing machine
弹条疲劳试验机

Non-metal Lab | 非金属实验室

Key testing items: Hardness, Tensile strength, Elongation at break, 200% Modulus, Constant compression set, Akron wear, Operating resistance, Oil resistance, Hot air aging performance, Static stiffness and etc.

Standards: TB/T 3065, TB/T 3570, TB/T 3395.2, TB/T 3395.3, EN 13146, EN 13481, and etc.

关键检验项目：硬度、抗拉强度、拉断伸长率、200%定伸应力、恒定压缩永久变形、阿克隆磨损、工作电阻、耐油性、热空气老化性能、静刚度等。

执行标准：TB/T 3065, TB/T 3570, TB/T 3395.2, TB/T 3395.3, EN 13146, EN 13481等。



Electronic universal testing machine
电子万能试验机



Shore hardness tester
邵氏硬度计



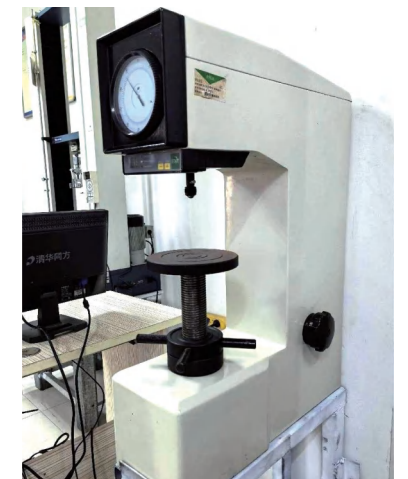
Electro-hydraulic servo fatigue testing machine
电液伺服疲劳试验机



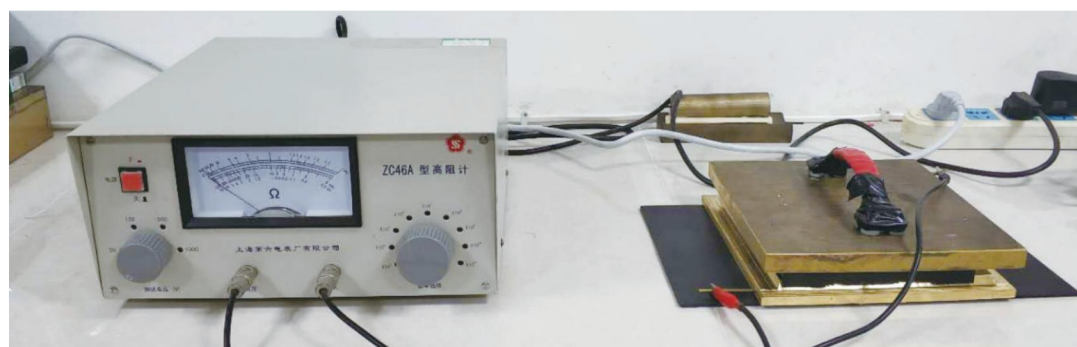
Aging test chamber
老化试验箱



Planer
刨片机



Plastic rockwell hardness tester
塑料洛氏硬度计



High resistance meter 高阻计

Raw Mat.&WIP&FG lab testing will make sure all the indicators meet the requirements, so that immediate actions could be taken accordingly, which is the key to achieving better quality control. So that we could reduce the defective rate in order to save production costs.

原材料&半成品&成品实验室检验：确保所有指标到达要求，提供及时的管理措施，更好地进行产品质量的把控，因此减少次品率和浪费，从而节约生产成本。



Akron abrasion machine
阿克隆磨耗机



Double-end grinding machine
双头磨片机



Rubber punching machine
橡胶冲片机



Electronic balance 电子天平

Assembly Testing Lab | 组装实验室

Performance, Safety, and Fatigue Testing of Track Equipment:

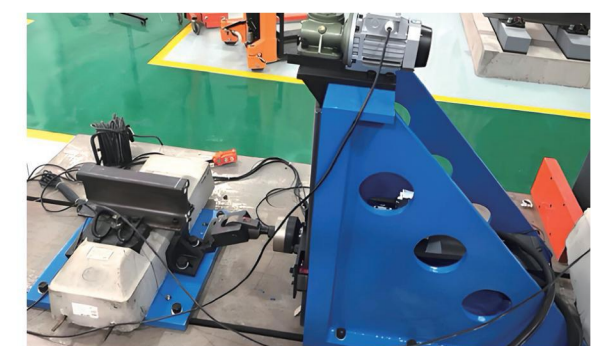
In accordance with BS EN 13146, TB/T 3396, and other relevant national and railway industry standards, type testing is conducted on the fastening systems of rail transit tracks. This includes the evaluation and testing of longitudinal resistance, assembled clamping force, static and dynamic stiffness under assembly conditions, fatigue testing of assemblies, insulation performance, the impact of harsh environmental conditions, and the pull-out resistance of embedded components. Additionally, the testing covers critical structural components such as rail clips, sleepers, and track slabs.

轨道设备性能、安全与疲劳检测：

依据BS EN 13146、TB/T 3396等系列标准及相关国标铁标，对轨道交通线路的扣件系统开展型式检测，包含扣件系统纵向阻力、组装扣压力、组装动静刚度、组装疲劳试验、绝缘性能、恶劣环境条件的影响、预埋件抗拔力等检测与评估；以及弹条、轨枕、道床板等关键部件结构的检测与评估。



High-performance Track and Wheel-Rail Coupling Test Section (15m)
高性能轨道及轮轨耦合试验段 (15m)



Track Fastener Longitudinal Resistance Testing Machine
轨道扣件纵向阻力试验机



Drop Hammer Impact Test System
落锤冲击试验系统



MTS Servo-Hydraulic Testing System (25T)
MTS伺服液压测试系统(25T)



Electro-Hydraulic Servo Rail Clip Fatigue Testing Machine (100T)
电液伺服弹条疲劳试验机 (100T)

TEST REPORTS

检测报告



MA CNAS 中铁检验认证中心有限公司
国家铁路产品质量检验检测中心
China Railway Test & Certification Center Limited

检测报告

TEST REPORT
(2024) 012 (JH) 字第 80727 号

产品名称: 城市轨道交通用...
认证委托人: 赛福扣件系统(集团)有限公司
生产单位: 赛福扣件系统(集团)有限公司
检测类别: 认证检测

报告编号: 2024 年 6 月 4 日

MA CNAS 中铁检验认证中心有限公司
国家铁路产品质量检验检测中心
China Railway Test & Certification Center Limited

检测报告

TEST REPORT
(2024) 012 (JH) 字第 80728 号

产品名称: 城市轨道交通用...
认证委托人: 赛福扣件系统(集团)有限公司
生产单位: 赛福扣件系统(集团)有限公司
检测类别: 认证检测

报告编号: 2024 年 6 月 4 日

MA CNAS 中铁检验认证中心有限公司
国家铁路产品质量检验检测中心
China Railway Test & Certification Center Limited

检测报告

TEST REPORT
(2024) 012 (JH) 字第 80729 号

产品名称: 城市轨道交通用...
认证委托人: 赛福扣件系统(集团)有限公司
生产单位: 赛福扣件系统(集团)有限公司
检测类别: 认证检测

报告编号: 2024 年 6 月 4 日

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 复合垫板
型号规格: W2.0型
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 绝缘垫板
型号规格: W2.0型
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 绝缘垫板
型号规格: D1
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 绝缘垫板
型号规格: D1
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 绝缘垫板
型号规格: W2
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

MA CNAS 报告编号: JCR001Q4030714-1

检测报告

Test Report

样品名称: 高速铁路扣件系统
型号规格: W2.0型
委托单位: 赛福扣件系统(集团)有限公司
检测类别: 委托检测

中国铁路郑州局集团有限公司
National Quality Supervision and Inspection Center for Metal Products

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 绝缘垫板
型号规格: W2.0型
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 绝缘垫板
型号规格: W2.0型
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 绝缘垫板
型号规格: JRM20-02
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 高速铁路扣件系统
型号规格: 扣件+垫板
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 高速铁路扣件系统
型号规格: W2.0型
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 高速铁路扣件系统
型号规格: W1
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

SRCC MA CNAS 报告编号: 17218H0204

检测报告

TEST REPORT

样品名称: 高速铁路扣件系统
型号规格: W1
委托单位: 赛福扣件系统(集团)有限公司
委托单位地址: ---
检测类别: 委托检测

上海轨道交通装备有限公司
Shanghai Railway Equipment Co., Ltd.

PROJECTS HIGHLIGHTS

项目概览

CONVENTIONAL RAIL PROJECTS | 普速铁路项目

Xi'an Railway Bureau Major Overhaul and Maintenance Project 西安铁路局大修、维修工程项目



As a core supplier to Xi'an Railway Bureau for 40 years, our company has consistently provided a range of specialized products to various engineering divisions, including rubber pads, reinforced large rubber pads, rubber pads for turnouts, nylon rail gauge baffles, and rail gauge insulators, achieving an annual average procurement volume exceeding 1 million sets and an annual average contract value surpassing RMB 10 million. Long-term operational data demonstrates that our products have maintained a zero-quality-incident record on mainlines such as the Longhai Line and Xikang Line, fully validating our profound understanding of and long-term commitment to railway maintenance safety standards.

Keywords: Lifetime Practitioner of Railway Operation and Maintenance Safety Standards

作为西安铁路局核心供应商，我司持续40年为其工务段提供多种专用产品，包括橡胶垫板、增强型大胶垫、道岔用橡胶垫板、尼龙挡板座及绝缘轨距块等关键产品，实现年平均采购数量逾百万套，年平均中标总价逾千万元。长期的实践数据表明，我司的产品在陇海线、西康线等干线应用中始终保持零质量事故的稳定状态，充分印证了我司对铁路运维体系安全标准的深刻理解以及长期坚守。

关键词：铁路运维体系安全标准的终身践行者

Shanghai-Wuhan-Chengdu Rapid Passenger Passage and Xiangyang-Chongqing Second Line Station Reconstruction Project

沪汉蓉快速客运通道、襄渝二线站改项目

From 2007 to 2008, our company supported the construction of China's first east-west rapid passenger corridor with customized solutions. We supplied rubber pads, nylon rail gauge baffles, and other rubber&palstic products to multiple engineering bureaus, including China Railway Tunnel Group, China Railway Electrification Bureau, China Railway 24th Bureau, and China Railway 25th Bureau. Under the complex geological conditions of the Qinba Mountain Range, our products delivered exceptional performance, with zero quality issues since the railway's commissioning, setting a new industry standard for the service life of rubber&plastic components in existing line renovation projects.

Keywords: Industry Benchmark for Complex Network Renovation

2007-2008年，我司以定制化解决方案助力中国首条横贯东西的快速客运通道建设。我司向中铁隧道局、中铁电气化局、中铁二十四局、中铁二十五局等多家工程局提供了橡胶垫板、尼龙挡板座、绝缘轨距块和轨距挡板等产品。在秦巴山脉复杂地质条件下，产品性能表现优异，自铁路投入运营以来未出现任何质量问题，开创了既有线改造项目中橡塑部件寿命新标准。

关键词：复杂路网改造的行业标杆



HIGH-SPEED RAIL PROJECTS | 高速铁路项目

Wuhan-Guangzhou High-Speed Railway: China's First High-Speed Rail Line 武广高铁：中国第一条高速铁路



The Wuhan-Guangzhou Passenger Dedicated Line, opened in 2009, marked the first validation of China's independent high-speed rail technology system. As a core supplier, we provided self-developed and manufactured elastic pads/resilient tie pads to multiple engineering bureaus, including China Railway 17th Bureau, 12th Bureau, 19th Bureau, 15th Bureau, 14th Bureau, 5th Bureau, 3rd Bureau, and 4th Bureau, supporting the world's then-highest operational speed of 350 km/h. Our material formulations have since become an industry technical benchmark, signifying high recognition of our products and services and further solidifying our professional standing in the railway sector.

Keywords: Technical Endorsement for the Dawn of China's High-Speed Rail Era

2009年通车的武广客运专线首次验证了我国自主高铁技术体系。作为该专线的核心供应商，我司向中铁十七局、中铁十二局、中铁十九局、中铁十五局、中铁十四局、中铁五局、中铁三局、中铁四局等多家工程局提供了自行研发、生产的弹性垫板，支撑了当时世界最高运营时速（350km/h），其材料配方现已成为行业技术蓝本。这一成功标志着我司的产品和服务得到了行业的高度认可，进一步巩固了我司在铁路行业中的专业地位和影响力。

关键词：中国高铁元年的技术背书



Datong-Xi'an High-speed Railway Passenger Line Project 大西铁路客运专线项目

From 2012 to 2013, we successfully won the bid for the Datong-Xi'an Passenger Dedicated Line materials procurement project, supplying elastic pads/resilient tie pads and precision-adjustment fastener products to China Communications Construction Company Second Highway Engineering Bureau, China Communications Construction Company Third Harbor Engineering Bureau, Sinohydro Bureau 3, and China Railway 10th Bureau. Facing the harsh environment of a 30°C day-night temperature differential in the Shanxi-Shaanxi section, our low-temperature anti-fracture fastener system demonstrated outstanding performance, ensuring safe railway operation. With superior product quality and zero quality incidents, we were awarded the title of "Excellent Supplier" by the project headquarters and received high recognition from Ministry of Railways.

Keywords: Professional Benchmark for High-Speed Rail Reliability in Extreme Cold

2012-2013年，我司成功中标大西铁路客运专线物资采购项目，为中交二公局、中交三航局、中国水电三局、中铁十局等多家工程局供应弹性垫板和精调扣件。面对晋陕段昼夜30℃温差的严苛环境，我司的低温抗脆裂扣件系统性能卓越，保障了铁路的安全运营。凭借过硬的产品质量和零质量问题的优异表现，我司荣获大西铁路客运专线指挥部“优秀供应商”称号，并得到铁道部的高度认可。

关键词：高寒高铁可靠性验证的专业典范

Jinan-Qingdao High-Speed Railway Project 济青高铁项目

In 2017, leveraging strong technical expertise and industry experience, we secured the bid for the national key project—Jinan-Qingdao High-Speed Railway—supplying high-performance rubber elastic pads/resilient tie pads to China Railway 5th Bureau, China Railway 21st Bureau, China Railway Shanghai Engineering Bureau, and China Railway Aviation Port Construction Group, with a contract value nearing RMB 10 million. We overcame high-load and long-life technical challenges, delivering products exceeding industry standards. With "zero-defect quality," "24/7 responsive service," and an end-to-end "production-to-installation" collaborative model, we ensured the stable operation of 350 km/h high-speed rail, achieving 100% customer satisfaction. This project cemented our leadership in high-speed rail core components and showcased the backbone strength of "Made in China" in national strategic projects.

Keywords: Guardian of Quality for National Strategic Projects

2017年，我司凭借雄厚的技术实力和丰富的行业经验，成功中标国家重点工程——济南至青岛高速铁路工程项目，为中铁五局、中铁二十一局、中铁上海工程局以及中铁航空港建设集团等多家工程局供应高性能橡胶弹性垫板，项目中标金额近千万元。我司攻克高负荷、长寿命技术难题，产品性能超越行业标准，以“零缺陷品质”、“全天候响应服务”，以及“生产-铺装”全链条协同模式，全面保障设计时速350公里高铁的平稳运营，客户满意度达100%，奠定我司在高铁核心部件领域的技术领跑者地位，彰显“中国制造”在国家级战略工程中的中坚力量。

关键词：国家战略工程的品质守护者



Shangqiu-Hefei-Hangzhou High-speed Railway Project 商合杭高铁项目

In 2017, we empowered the construction of the Shangqiu-Hefei-Hangzhou High-Speed Rail (a key "Eight Vertical & Eight Horizontal" national corridor) with cutting-edge materials technology. Through a strategic partnership with China Railway 21st Bureau, we supplied self-developed high-performance EPDM rubber elastic pads/resilient tie pads, providing critical support for the ultra-high-speed corridor linking the Yangtze River Delta and Central Plains economic zones. After years of high-intensity operation, our products have safeguarded over billions of passenger journeys with zero failures or complaints, setting an industry quality benchmark. This project marked a milestone in our "China Intelligent Manufacturing" journey, demonstrating our comprehensive technical capabilities in major infrastructure and injecting robust technological momentum into the "Transport Powerhouse" strategy.

Keywords: Breakthrough in Advanced Material Applications

2017年，我司以尖端新型材料科技赋能商合杭高铁（国家“八纵八横”骨干通道）的建设，携自主研发的高性能三元乙丙橡胶弹性垫板与中铁二十一局达成战略合作，为长三角至中原经济带超高速通道提供关键支撑。产品历经多年高强度运营考验，护航超数十亿人次安全出行，创下零故障、零投诉的行业质量典范。此项目是公司践行“中国智造”的里程碑，标志着我们在重大基建领域的综合技术实力已跻身行业领跑梯队，为服务“交通强国”战略注入硬核科技动能。

关键词：尖端新型材料的应用突破

METRO&INTERCITY RAILWAY PROJECTS | 地铁城际项目

Chengdu Metro Line 17 Project 成都地铁轨道交通17号线

In 2020, as a strategic supplier for Chengdu Metro Line 17—a western China hub—we developed a next-generation noise-reduction solution for China Communications Construction Company Second Engineering Bureau using proprietary polymer damping technology. Addressing stringent urban rail environmental requirements, our high-performance damping pad system strictly complied with industry standards for vibration attenuation, contributing to a "silent urban transit" model listed as a "Urban Rail Vibration & Noise Mitigation Demonstration Case." This collaboration deepened trust with national infrastructure leader and marked our pivotal advancement in urban rail eco-technology, offering replicable solutions for the "Beautiful China" strategy.

Keywords: Innovative Practice in Green Transportation

2020年，作为中国西部核心枢纽——成都地铁轨道交通17号线的战略级供应商，我司以自主创新的高分子阻尼技术，为中交二公局打造了新一代轨道降噪解决方案。针对超大城市轨道交通的严苛环保要求，我们研发的高性能阻尼垫板系统，严格执行列车运行时振动衰减率的行业标准，助力打造“无声穿越城市”的绿色地铁典范，被列为“城市轨道交通减振降噪示范案例”。此次合作不仅巩固了与国家级基建龙头中交二公局的深度互信，更标志着我司在城市轨道环保技术领域实现从0到1的关键跨越，为践行“美丽中国”战略提供可复制的技术范本。

关键词：绿色交通的创新实践



Wuhan-Huangshi Intercity Railway Project 武黄城际铁路项目



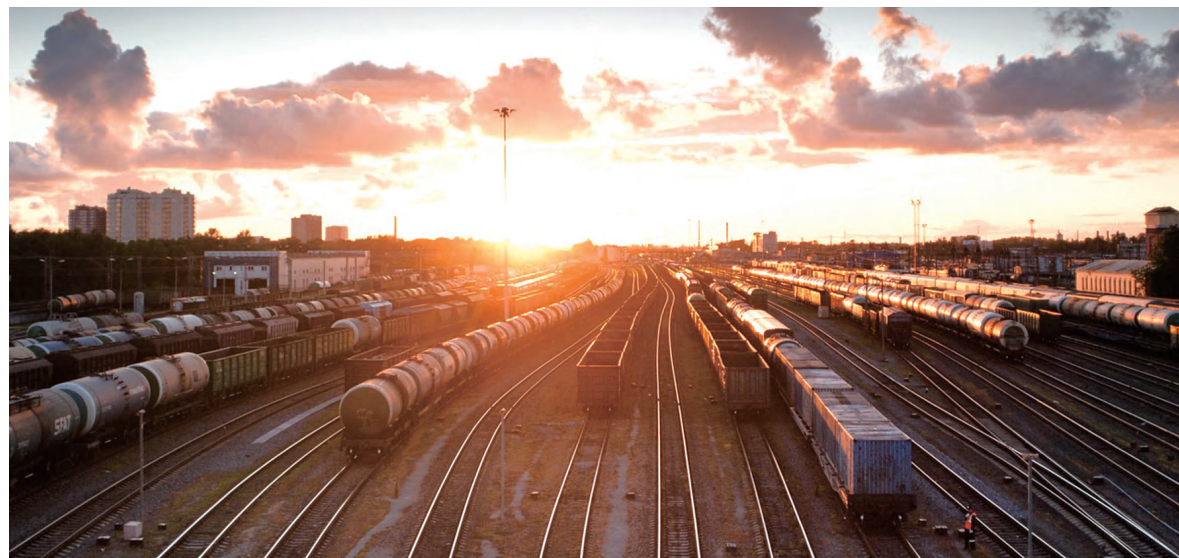
In 2022, we supplied high-performance railway rubber level crossings to China Railway 11th Bureau Group for the Wuhan-Huanggang Intercity Railway, ensuring safe operation with exceptional durability under extreme climates and heavy loads. As early as 1998, we collaborated with Liuzhou Railway Bureau and the Railway Science Institute to develop China's first railway rubber level crossing, filling an industry gap. Certified nationally in 2002, the product has served China's railways for over 20 years. This project reaffirmed our technical heritage and innovation in critical rail components, bolstering the "Transport Powerhouse" strategy.

Keywords: Industry Pioneer and Technology Leader

2022年，我司为中铁十一局集团武黄城际铁路项目提供高性能橡胶道口铺面板，以卓越品质护航城际铁路安全运营。产品采用自主专利技术，在极端气候与高负荷运行条件下仍保持优异耐久性，大幅提升道口安全等级与维护效率，成为新时代城际铁路建设的标杆解决方案。早在1998年，我司联合柳州铁路局、铁道科学院金化所，成功研制国内首款铁路橡胶道口铺面板，填补行业空白。2002年通过国家级鉴定后，产品在全国铁路系统全面推广，至今已服务中国铁路20余年，见证并推动了中国铁路道口技术的升级革新。此次武黄城际项目合作，再次彰显我司在轨道交通关键部件领域的技术积淀与持续创新能力，为“交通强国”战略提供坚实支撑。

关键词：行业开创者与技术领跑者

HEAVY-HAUL RAIL PROJECTS | 重载铁路项目



Fenghong And Jingshen Railway Project 冯红铁路和靖神铁路项目

In 2023, we supplied 130,000 sets of high-performance heavy-haul railway fastening systems to Shaanxi Coal and Chemical Industry Group for the Fenghong and Jingshen Railway projects. Our products adhered to the industry's strictest technical norms while achieving breakthroughs in materials and manufacturing to ensure long-term reliability under high-frequency heavy loads and complex climates. This collaboration strengthened our position in heavy-haul rail and laid the foundation for deeper strategic ties with Shaanxi Coal Group. Drawing on 40 years of R&D experience, we are transforming this extreme-environment-validated technology into a core competitiveness for China's 'One Belt, One Road' initiative, exporting China's intelligent manufacturing paradigm globally.

Keywords: China's Intelligent Manufacturing Paradigm for Heavy-Haul Rail

2023年，我司为陕煤集团冯红、靖神铁路供应13万套高性能重载铁路扣件系统。产品不仅严格遵循了行业内最严格的技术规范，还在材料选择和制造工艺上不断突破，以确保其在高频重载、复杂气候条件下的长效可靠性，提升重载列车运行安全性与轨道耐久性。此次合作进一步巩固了公司在重载铁路领域的市场地位，并为深化与陕煤集团的战略协作奠定技术信任基础。基于近40年的铁路扣件系统研发经验，正将这项经极端环境验证的技术方案，转化为“一带一路”基建布局的核心竞争力，持续为全球重载铁路建设输出中国智造范式。

关键词：重载铁路建设的中国智造范式

OVERSEAS RAILWAY PROJECTS | 海外铁路项目

Morocco Kenitra-Marrakech High-Speed Railway Project 摩洛哥盖尼特拉至马拉喀什高铁项目

In 2025, leveraging our precision manufacturing and end-to-end quality control system, our company supplied core components-Nabla G4 blades for turnouts to the Kenitra-Marrakech High-Speed Rail Project in Morocco, facilitating the deep integration of Chinese standards into North African infrastructure. As a flagship project under the China's 'One Belt, One Road' initiative, this railway, with a design speed of 320 km/h, connects Morocco's north-south economic corridor and is scheduled for full operation by 2030. Through customized technical solutions, we overcame challenges such as complex terrain adaptation, ensuring the efficient integration of Morocco's economic artery. By introducing Chinese technological expertise, we empower Africa's transportation modernization, injecting new momentum into regional economic integration. This achievement exemplifies the global development philosophy of "extensive consultation, joint contribution, and shared benefits."

Keywords: Chinese Technology Safeguarding Africa's First High-Speed Railway

2025年，我司凭借高精度制造与全流程品控体系，为摩洛哥盖尼特拉至马拉喀什高铁项目供应核心部件——道岔用G4弹片，推动中国标准深度融入北非基建。作为“一带一路”标杆工程，该项目以320公里运行时速串联南北经济走廊，计划于2030年全面投运。依托定制化技术方案，我司为项目攻克复杂地形适配等难题，助力摩洛哥南北经济走廊高效贯通，更以中国方案赋能非洲交通现代化，为区域经济一体化注入新动能，彰显“共商共建共享”的全球化发展理念。

关键词：中国技术方案护航非洲首条高铁

