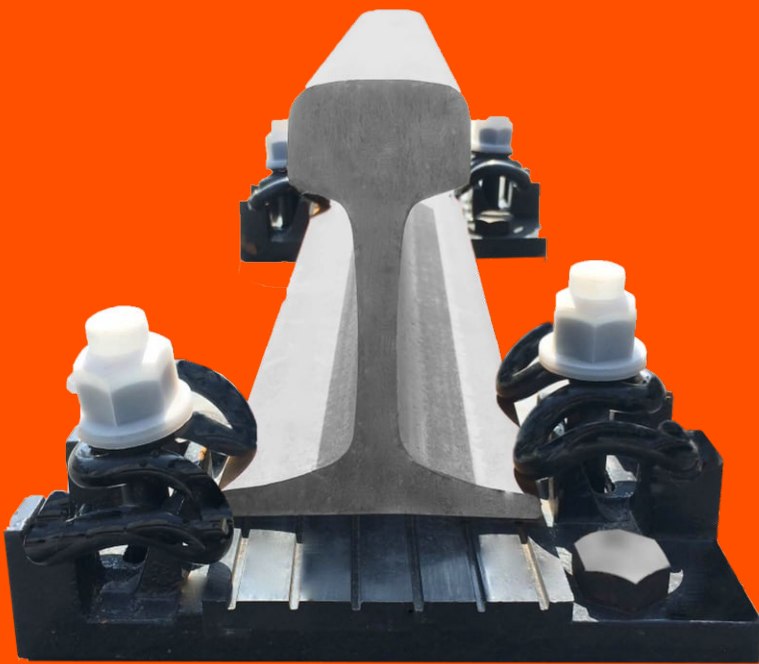


Rail Pads



Metro
Commuter
Main Lines
High-Speed Lines

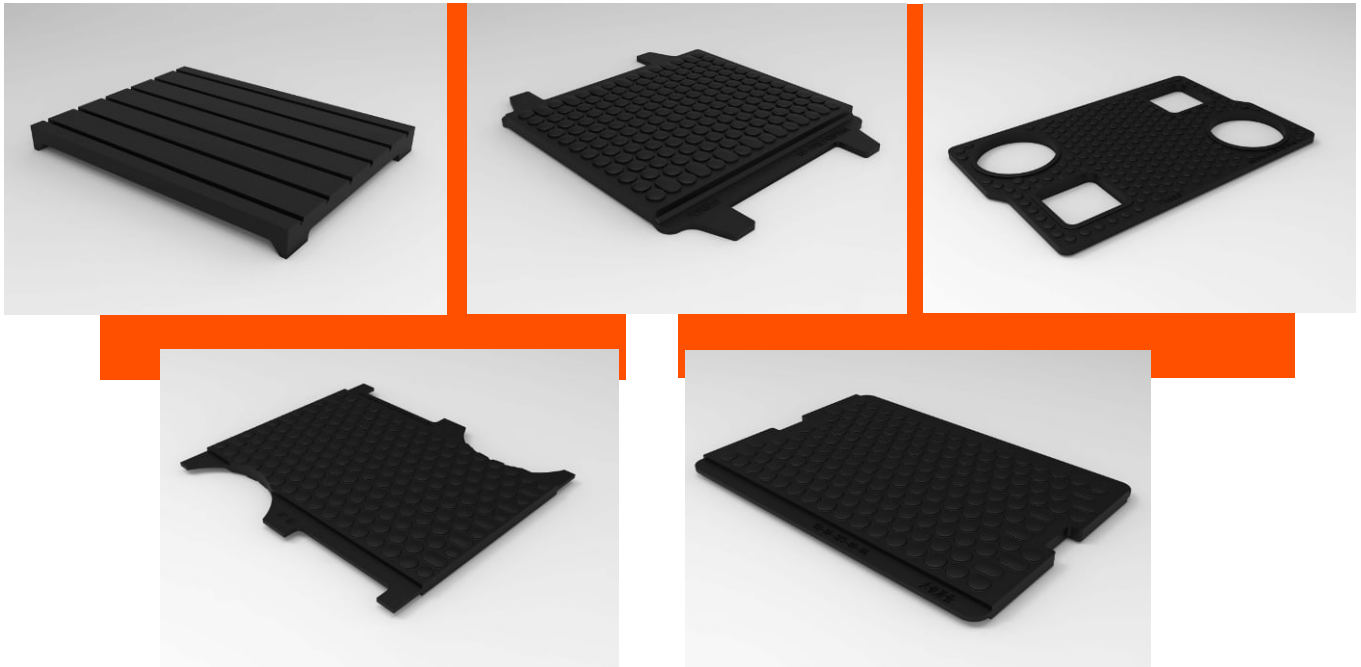
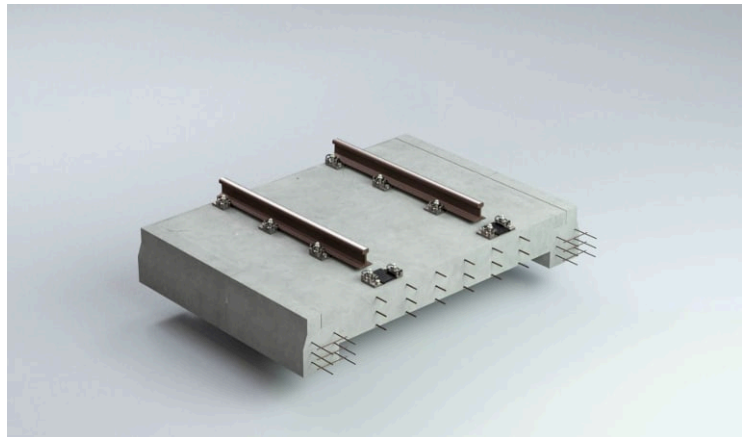
Applications

Rail Pads

Rail Pads are one of the most effective methods of reducing vibration transmission from wheels or rail.

Technical Product Information

There are nearly 30 structures of under rail, under base plate and under sleeper Rubber Rail Pads developed by our company. The stiffness index ranges 15KN/mm-120KN/mm. Besides, they feature good aging, heat, cold, wear and corrosion resistance. Meanwhile, some products are approved by CRCC.



Features and Benefits

- Provides enhanced acoustical performance
- Reduces stress on structures
- Reduces maintenance costs

Product Range Specification

Product name	application	Item No.	structure	Rail pad for level crossing	under rail	P60	Groove surface
rubber rail pad	under rail	ZW 700a	flat surface	rubber rail pad	under rail	DTV12	Groove surface
rubber rail pad	under plate	ZWP 104	flat surface	rubber rail pad	under rail	216×129×10	Groove surface
rubber rail pad	under rail	60-10-190	Groove surface	rubber rail pad	under rail	DJK5-1	single surface with lug boss
rubber rail pad	under rail	60-10R-185	Groove surface	rubber rail pad	under rail	ZX-2	double surface with lug boss
rubber rail pad	under rail	50-10-185	Groove surface	rubber rail pad	under rail	DTIII2	double surface with lug boss
Rail pad for level crossing	under rail	P50	Groove surface	rubber rail pad	under plate	DTV12	double surface with lug boss

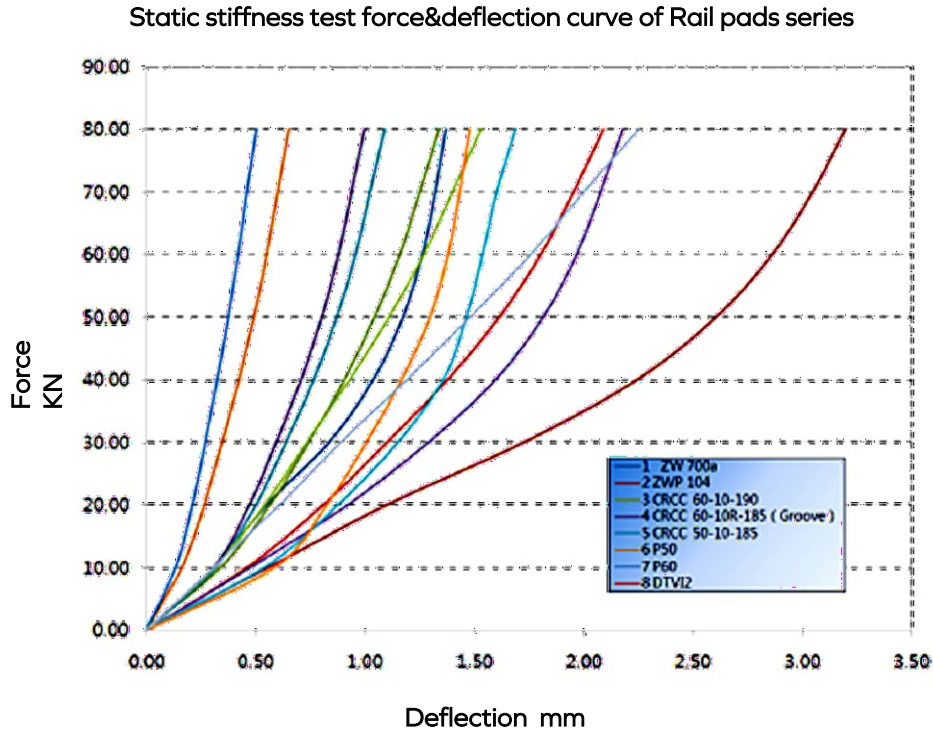


Different types of pads

Engineering Services

Company is using a specialized computational model for the application of track mats that allows for reliable prediction of the achievable vibration

reduction and track dynamics like rail deflection under various loads.

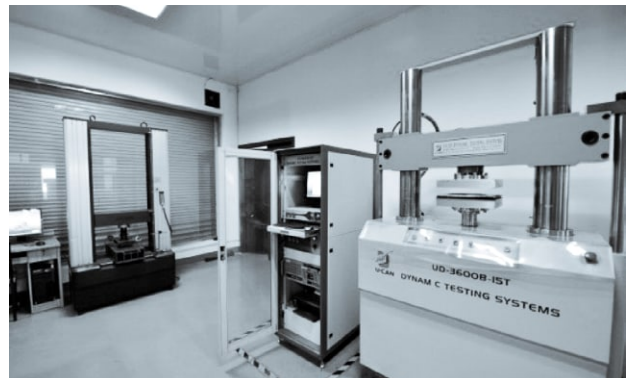


In addition to the delivery of rail pads, Company offers expert installation supervision or a complete installation service. Experienced engineers are available for the commissioning

of all Company products performing on site result monitoring and final adjustments if necessary. Installation report, confirming "as built" characteristics, can be provided on request.



Installed Rail Pads



Inhouse Test Lab

New product development is the essence of Tiantie's corporate philosophy. Our engineering experts are actively participating in national and international committees. Tiantie's commitment to innovation,

along with close collaboration with universities, design consultants and end-users, provide a solid basis for the development of next generation state-of-the-art products.

Production

Company production plant is equipped with sophisticated, intelligent and environmental protection large-scale production facilities.

Through utilization of the wholly owned manufacturing sites a high product quality is ensured and prompt delivery is guaranteed.



Production Plant, rail damper division



Production Plant

Quality Control

Global markets require compliance with a variety of different standards. Tiantie's Quality Management System ensures that product and process standards are consistent and in compliance and documented in accordance with standards. Test reports, certifications and customer testimonials are

available on request.

Building on continuous product improvement, Tiantie engineers collaborate with technical institutes and design consultants, to conduct product performance assessments, on an ongoing basis.



Environmental Management System according to ISO 14001



Quality Management System according to ISO 9001



Occupational Health and Safety System according to ISO 45001

References

Based on the proven product features, benefits and performance, Tiantie has successfully installed rail dampers at High-Speed lines, Main lines, Commuter.



Nanjing Metro Line 4



Xi'an Metro Line 4

Selected Projects

Project	Product name	Date
Xi'an Metro Line 4	rubber rail pads	2017
Changzhou Metro line 1	type DTIII2 pads	2017
Huanghua-Dajiawa Railway station project	rubber rail pads	2017
Qingdao Metro line R3	Type I rail pads	2017
Zhengzhou Metro line 5	under rail, under plate pads	2017
Guangzhou Metro line 8	rubber rail pads under plate pads	2017

Qingdao Metro line 13	tyep I rail pads	2017
Zhengzhou Metro line 5	rubber rail pads	2018
Ha'erbin Metro line 1	rubber rail pads	2018
Qingdao Metro line 1	rubber rail pads	2019
Tianjin Metro line 4, line 10	rubber rail pads	2019
Ha'erbin Metro line 2	rubber rail pads	2019



Corporate Offices, Tiantai Zhejiang

Company

Zhejiang Tiantie Science & Technology Co Ltd.

Founded

2003

Revenue

\$ 267 Mio. USD (Group) 2021

Employees

940 (Group)

Competences

Noise and Vibration Control, Rubber Technology

Industries

Railway, Buildings, Industry

Headquarters

Tiantai, China

Affiliates

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Zhejiang Tiantie Science & Technology Co., Ltd.

No. 928, Renmin East Road Tiantai (317200)
Taizhou, Zhejiang, China

Phone +86 576 8317 1283

Fax +86 576 8308 6288

Mail info@tiantie.cn

Web www.tiantie.cn
www.tiantiegrou.com
www.tiantiebuilding.com