

Solutions –
made of ductile iron.



Ductile Cast Iron Systems
trm.at

TIROLER ROHRE



The Company

TRM – Tiroler Rohre

TRM develops, manufactures and markets high-quality systems for the transport of water and for deep foundation of structures – made of ductile cast iron.

The sustainable properties of ductile cast iron combined with innovative technologies and professional expertise in all fields of application make us a leading partner in the water industry and for deep foundation.



Production site in Hall in Tyrol – the base for high-quality system solutions made of iron.

Mission

Our company

We see ourselves as a Tyrolean manufacturer with a long-standing tradition specializing in pipe and pile systems made of ductile cast iron for the water industry and for deep foundation engineering. We operate worldwide and have our core market in Europe. Since 1947, we have focused our activities on quality, safety, mutual trust and respect. We see ourselves as a reliable and competent partner in a wide range of applications within our industry; a view that is shared by our partners.



Our core competences

TRM develops, produces and markets high-quality pipe and pile systems made of ductile cast iron for the transport of water and for deep foundation engineering. We make a significant and sustainable contribution to the establishment and operation of high-value infrastructures in the supply of drinking water and disposal of waste water. With our pile systems we provide our partners with customized and economical solutions for the deep foundations of structures.

Our products and services

Our products are high-performance, sustainable and robust. They stand out particularly due to their ecological and economical benefits. The features of ductile cast iron and our expertise in all fields of applications enable us to overcome even extreme challenges. Due to our high competence, willingness and reliability, we are a powerful and long-term partner.

Our corporate culture

Our employees are our most valuable asset. They distinguish themselves by their loyalty, sense of responsibility, creativity and innovation. With their know-how and their dedication, they are the key to our success and they identify themselves with the company. We give them responsibility and enable them to improve their skills and qualifications. Our corporate culture is based on open communication, trust and honesty. The lean company structure ensures flexible and swift response.

The environment and our social responsibility

Produced in an ecological cycle, our products go a long way towards protecting our environment. Water is the world's most important food. The use of our products ensures a sustainable contribution to the responsible use of this valuable resource. At our location, we are considered to be an attractive employer and an important player in the local economy.

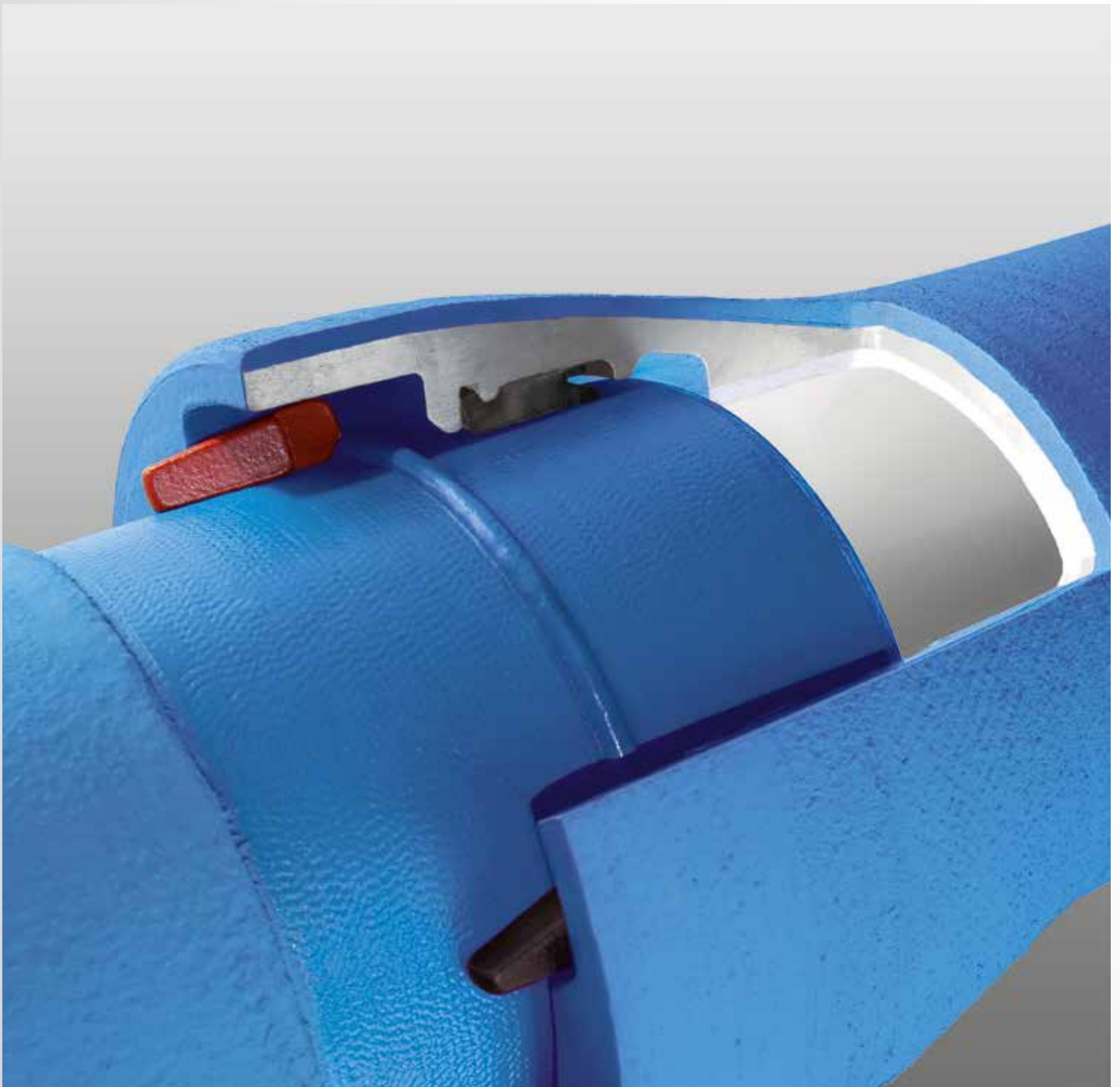
Our future

We are a market driven company and generate our profits in accordance with our mission statement. Profits are the basis for our investment activities. We invest in the further development of our products and services, thereby protecting jobs and ensuring the future of our company.

Leading Technologies

VRS®-TIROFLEX®/BLS: Longitudinal restrained joint technology

- Extreme stability for high internal pressures and external loads.
- Operating pressures of up to 100 bar.
- Deflection angle of up to 5°.
- Replacement of concrete thrust blocks.
- Quick and easy to assemble.
- Wide range of fittings.
- No welding and no weld inspection.
- Penstocks for hydro turbines.
- Fire-extinguishing pipes.
- Bridge pipelines.
- Collector pipes.
- For trenchless laying techniques.



Simple. Fast. Safe.

ZMU cement mortar coating: Innovative coating technology

Chemical resistance

- Ductile iron pipes with ZMU coating can be used in soils of any corrosiveness.

Mechanical resistance

- ZMU pipes can be laid in soils with a maximum grain size of 100mm.
- Suitable for trenchless laying.

Economic benefits

- No need to exchange soil.
- No need to dispose excavated soil.
- Lifespan of more than 100 years possible.
- No sand bedding.



Dressed with a robust jacket.

Leading Technologies

Fire-extinguishing systems

- Efficient and durable extinguishing equipment is needed in order to prevent human and economic disasters.
- Pipelines made of ductile iron to carry extinguishing water are non-flammable. They absorb loads and they provide a reliable supply of water for fire fighting in case of an emergency.
- Due to their high safety reserves, our ductile iron pipes are used for fire extinguishing systems at airports, industrial facilities as well as in road and railway tunnels.
- Ductile iron pipes with a VRS®-TIROFLEX®/BLS connection ensure maximum load-bearing capacity combined with fast and easy installation.
- The FM approval certifies that our ductile iron pipes meet the requirements of state-of-the-art, reliable fire-extinguishing systems.



Reliable supply of fire water in case of emergency.

Piles

- The ductile pile is an extremely economical and technically advantageous alternative to all conventional methods of building deep foundations.
- With a design load of up to 2,400kN per pile according to EuroCode (EC), ductile piles provide perfect support for almost any kind of foundation.
- Thanks to a high level of productivity and easy site setup, our systems are suitable for projects of all kinds, especially in terms of cost savings in construction site setup and shorter construction times.
- Our prefabricated driven piles ensure fast and simple installation and offer outstanding safety for your application.
- The quality and robustness of these driven piles also guarantee the transfer of forces into the load-bearing soil layers.



A stable foundation.

Applications and Solutions

Drinking water supply and waste water disposal

- Reliable, economical and ecological water supply.
- Hygienic transport of drinking water, no diffusion of surrounding substances into the pipe system.
- Safe disposal of waste water with special internal linings.
- Decades of reliable operation.
- Safety.
- Economics.
- Sustainability.

Capital cities like Vienna, Budapest, Sofia, Bucharest and other towns and municipalities with their high expectations with regards to the quality of their water networks have been relying on our materials and know-how for decades.



Fresh, pure and clear water in modern society.

Trenchless installation

Trenchless construction methods offer ecological and economic advantages when it comes to inner-city projects or culvert construction in rivers. Ductile iron pipes are easy to install using common trenchless installation methods.

Methods:

- Less site emissions on people and the environment.
- Extremely efficient installation.

- Horizontal direction drilling (HDD)/ wash drilling.
- Ploughing-in with a rocket plough.
- Press-pull technique/auxiliary pipe method.
- Burst lining.
- Pipe relining.



Keep your paths undisturbed. Go trenchless.

Applications and Solutions

Artificial snow

- Market leader for supply pipes made of ductile cast iron.
- Wide range of longitudinal restrained pipes and fittings specially adapted for snow making facilities.
- Safety for operating pressures pipes and fittings up to 100 bar.
- Easy to install, even in difficult terrain, no welding necessary.
- Pipes and fittings easy to dismantle.
- Up to 400m can be laid in one day.
- Deflection angle of up to 5° – fewer fittings required.
- Global reference projects.
- Decades of experience.
- Product quality monitored to EN standards, member of various quality assurance associations.
- Consultancy during the planning stage and on-site support by experts.
- Technically and economically the most efficient pipe system on the market.



Snow you can be sure of. From Tyrol.

Penstocks for hydroelectric turbines

- Power from water means clean energy!
- Pipes and fittings with external pressure resistance –perfect for laying in trafficked forest roads, etc.
- Approved for a traffic load of SLW 60 – no ovalization!
- Pipe system for operating pressures of up to 100 bar.
- Fast, cost-efficient laying with TRM restrained joint connection system with no welding required – faster commissioning of turbines.
- Outstanding stability and longitudinal restrained joint VRS®-TIROFLEX®/BLS connection guarantee trouble-free operation of power station pipelines.
- VRS®-TIROFLEX®/BLS connections enable wide deflection angles and easy installation even in inclement weather conditions.
- Fast re-cultivation thanks to narrow trench excavation.



High pressure calls for high performance.

Contact

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