

Steel Pipe Ram TERRA-HAMMER TR 200mini

SWISS MADE



TERRA-HAMMER TR 200mini

Steel Pipe Ramming Systems



155 TONNES OF IMPACT FORCE. COMPACT. ONLY 0.90 M LONG.

The **TERRA-HAMMER TR 200mini** is TERRA's shortest and most compact steel pipe ram – and ranks among the shortest steel pipe rams in the world. With a driving force of **155 tonnes** and an overall length of just **0.90 m**, it combines impressive impact energy with a minimal footprint. Thanks to its low air consumption of just **4 m³/min**, it operates particularly economically and is ideally suited to applications where space is limited.

FOR STEEL PIPES FROM Ø 150 TO 400 MM

The **TR 200mini** is designed for the precise and reliable installation of steel pipes with diameters ranging from **Ø 150 to 400 mm**. Thanks to its extremely compact design, it is the ideal solution for trenchless pipe jacking in confined spaces, for example in short launch pits. The tried-and-tested ramming method enables roads, railway tracks, watercourses and other obstacles to be crossed quickly and cost-effectively – with minimal surface disruption and maximum efficiency.



A large industrial pile driver is shown on a wooden barge. A long, silver steel pipe is positioned diagonally across the frame. A yellow hose is coiled on the barge. A green strap is used to secure the pile driver to the steel pipe. A black tire is visible on the right side of the barge. The background shows blue water.

START-UP AND SAFETY ACCESSORIES

To ensure a safe start to the driving process, the TERRA pile driver is secured to the steel pipe using specially designed fastening accessories. The tension chain reliably connects the tension strap to the steel pipe and ensures safe and even force transmission throughout the entire driving process.

PRESSURE RINGS FOR HORIZONTAL AND VERTICAL APPLICATIONS

TERRA offers specially designed pressure rings for horizontal and vertical applications. The version for horizontal driving is fitted with **two attachment eyes** for secure fastening to the steel pipe ram. For vertical applications, pressure rings with **five attachment eyes** are used – **three eyes** are used for secure connection to the ram, whilst **two additional eyes** enable easy and safe handling by crane.

A vertical steel pipe rammer is shown in operation on a wooden pier. The device consists of a long, silver-colored metal tube with a handle at the top and a rammer head at the bottom. It is mounted on a wooden frame. The background features a stone wall and lush greenery.

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SUITABLE FOR VERTICAL USE

Thanks to its extremely compact design and a weight of just **112 kg**, the **TR 200mini** is ideally suited for both horizontal and vertical use. Its low weight allows for easy handling, simplifies transport and ensures rapid positioning of the pile driver – even on confined building sites or in areas that are difficult to access.

In vertical applications, steel pipes can be driven precisely and efficiently to serve as foundations for utility poles, foundation piles, harbour bollards or piers for jetties. In combination with the appropriate accessories, the **TR 200mini** offers a cost-effective and flexible solution for a wide range of applications in trenchless pipework and specialised civil engineering.

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LUBRICATOR WITH 10 L CAPACITY

A lubricator with a capacity of **10 litres** ensures even and reliable lubrication of the pile driver throughout its operation. This guarantees trouble-free operation and helps to ensure a long service life for the machine. For optimum performance, a biodegradable, high-viscosity synthetic HD oil is used, which is specially formulated to meet the requirements of TERRA pile drivers.

LOW AIR CONSUMPTION

The acceleration ports integrated into the main piston ensure particularly efficient use of compressed air. With an air consumption of just **4 m³/min at 7 bar**, the **TR 200mini** operates extremely economically and requires significantly less energy than comparable systems. The airflow, which has been continuously optimised over many years, ensures high impact performance with minimal air consumption and enables efficient use on a wide variety of construction sites.

3-YEAR WARRANTY ON THE MAIN PISTON

The main pistons of **the TR 200mini** account for up to 35 per cent of the machine's total weight. All main pistons are machined from a single piece of material, thereby eliminating critical joints. In combination with the tried-and-tested hollow-head design, the impact energy is transferred directly to the pipe end, ensuring a particularly high impact force. TERRA provides a **3-year warranty** on all main pistons.



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	METRIC	IMPERIAL (U.S.)
DIMENSIONS		
Diameter	200 mm	8"
Length	0.9 m	3.0 ft
Weight	112 kg	245 lbs
Piston weight	40 kg	88 lbs
OPERATION		
Impact rate	550 1/min	550 1/min
air consumption	4 m ³ /min	1.055 gpm
air pressure	6 – 7 bar	85 – 100 psi
Impact energy	1,800 J	1,800 J
FOR STEEL PIPES		
Diameter DN	150 – 400 mm	6 – 16"
Driving lengths	30 m	100 ft

* These figures are subject to ground conditions. Subject to technical changes.

TERRA steel pipe rams – a colossus of steel!



TERRA LUBRICATOR AND OIL

TERRA has developed a special driving oil for its steel pipe rams. The synthetic high-viscosity oil prevents freezing down to -25°C (antifreeze).



FASTENING ACCESSORIES

During the start-up process, the TERRA steel pipe ram is securely clamped to the steel pipe using the fastening accessories.



RAMMING RINGS & PLATES

TERRA ramming rings and ramming plates transfer the impact energy into the steel pipe. All TERRA ramming rings feature a slight taper and a stop.



CUSTOMER SUPPORT

Satisfied customers worldwide and a service-friendly design make the TERRA pile driver a must-have for every civil engineer. Customer service that inspires!