

Steel Pipe Ram TERRA-HAMMER TR 565

SWISS MADE



TERRA-HAMMER TR 565

Steel Pipe Ramming Systems



2,400 TONNES OF IMPACT FORCE. ONLY 2.3 METRES IN LENGTH.

The **TERRA-HAMMER TR 565** combines maximum power with impressive efficiency. With an impact force of **2,400 tonnes**, it is one of the most powerful steel pipe rams on the market. At the same time, with an overall length of just **2.3 metres**, it is extremely compact and, thanks to its acceleration ports, consumes only **34 m³/min** at 7 bar. It is therefore shorter and requires significantly less air than comparable rams of this size.

STEEL PIPES UP TO 3,000 MM IN DIAMETER

The **TR 565** enables steel pipes **with a diameter of up to 3,000 mm** to be laid precisely, cost-effectively and reliably. The steel pipes are driven horizontally into the ground in segments of 6 m or 12 m in length. The pile driver positioned behind the steel pipe ensures continuous advancement. Depending on ground conditions and pipe dimensions, driving lengths of over **120 m** can be achieved. This method is particularly suitable for trenchless crossings beneath roads, watercourses and other obstacles.





RAMMING RINGS (UP TO $\varnothing$ 800 MM)

For pipe diameters up to $\varnothing$ 800 mm, **ramming rings** are used as a **plug-in system**. These can be flexibly combined with the next larger ramming ring in the TERRA plug-in system.



RAMMING PLATES (FROM $\varnothing$ 800 MM)

Specially developed **ramming plates** are available for pipe diameters from $\varnothing$ 800 mm. Thanks to their matched external cone, they can be inserted directly into the steel pipe to be driven, enabling simple and efficient force transmission.

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START-UP AND SAFETY ACCESSORIES

To ensure a safe start-up procedure, the TERRA steel pipe ram is secured to the steel pipe using specially designed **fastening accessories**. The tension chain provides a reliable connection between the steel pipe and the tension strap, ensuring safe power transmission during the ramming process.



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LUBRICATOR WITH 10 L CAPACITY

A lubricator with a **10-litre capacity** is provided to ensure a constant and **optimum oil supply**. This ensures reliable lubrication of the steel pipe ram throughout its operation and helps to maximise the machine's performance and service life. A **biodegradable**, synthetic high-viscosity oil is used to ensure optimum operation of the steel pipe ram.

LOW AIR CONSUMPTION

Thanks to the innovative acceleration ports in the main piston, the steel pipe ram requires up to 40% less compressed air than comparable systems. It operates extremely efficiently with an air flow of just **34 m³/min at 7 bar**. Depending on site requirements, it can be operated flexibly with **one or two compressors**. The internal air flow has been continuously developed, optimised and perfected over decades. The result is a highly efficient system offering **maximum impact performance with minimal energy consumption**.

3-YEAR WARRANTY ON THE MAIN PISTON

At the heart of **the TR 565** is the main piston and the hollow-head design developed by TERRA. This innovative technology makes optimum use of the available space inside and generates an exceptionally **high impact impulse with low air consumption**. The main piston accounts for over 50% of the total weight. This high weight enables extremely high impact forces to be generated.



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	METRIC	IMPERIAL (U.S.)
DIMENSIONS		
Diameter	565 mm	22"
Length	2.3 m	7.5 ft
Weight	2,535 kg	5,590 lbs
Piston weight	1,310 kg	2,890 lbs
OPERATION		
Impact rate	195 1/min	195 1/min
Air consumption	34 m ³ /min	8.980 gpm
Air pressure	6 – 7 bar	85 – 100 psi
Impact energy	48,500 J	48,500 J
FOR STEEL PIPES		
Diameter DN	400 – 3,000 mm	16 – 120"
Driving lengths	120 m	400 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!