

Rod burster
TERRA-HYDROCRACK HC 625

SWISS MADE



TERRA-HYDROCRACK HC 625

Rod burster

PIPE INSERTION INTO THE PIT

Pulling the tool and the new pipe all the way into the pit is possible.

ROD MAGAZINE

The threaded bursting rods are 0.8 m long and weigh 11 kg. The rod magazine holds a total of 91 m.

COMPACT EXCAVATION PIT

The machine, including the front box, is 4.75 m long and 0.9 m wide. If small pipes are being pulled, the front box can be omitted. The excavation pit length is then reduced to 2.3 m.

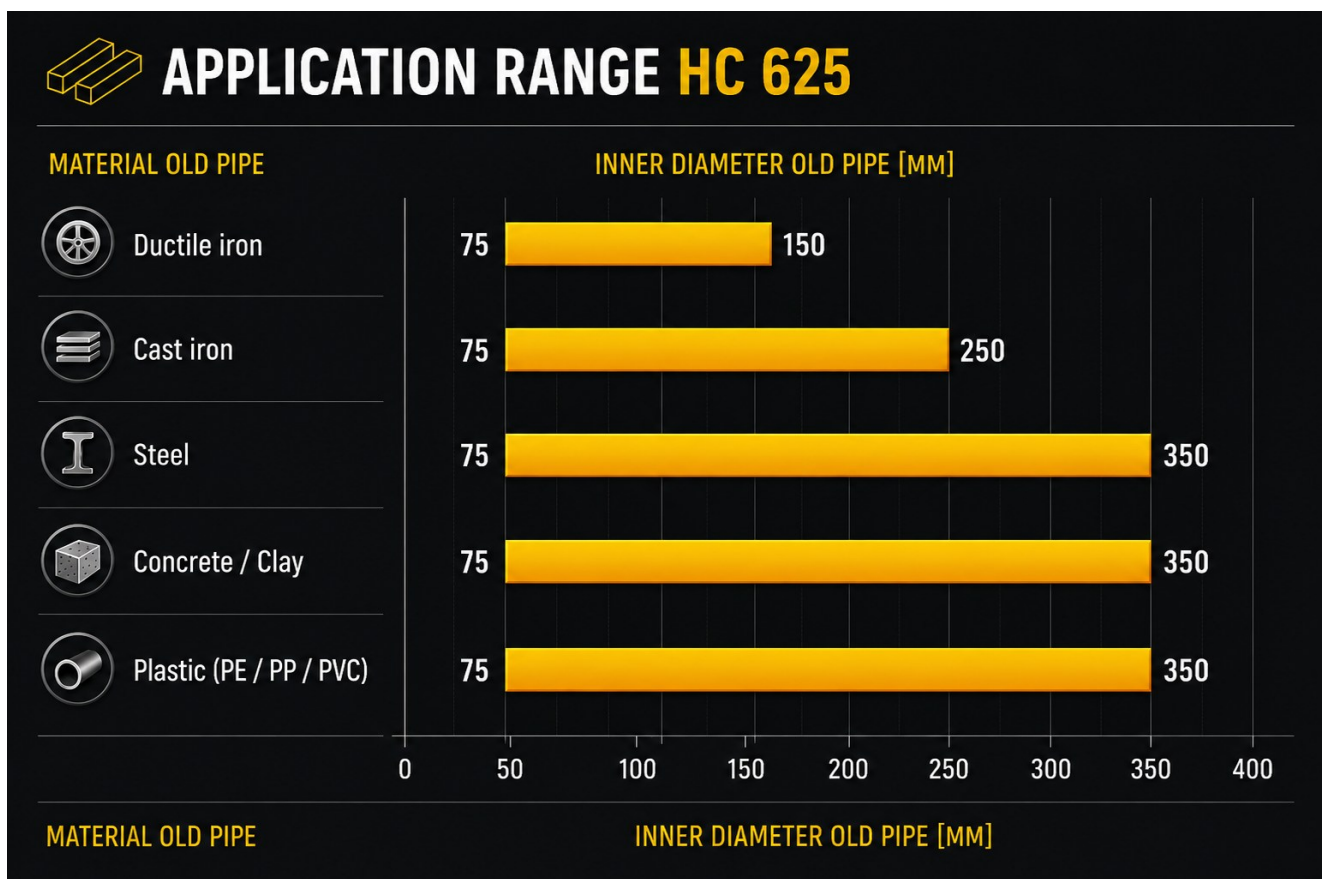


62.5 TONS OF PULLING FORCE

The **TERRA-HYDROCRACK HC 625** was developed for maximum performance and efficiency in trenchless pipe rehabilitation. Thanks to its compact design, this powerful rod burster is ideal for use in densely built-up areas and confined construction sites.

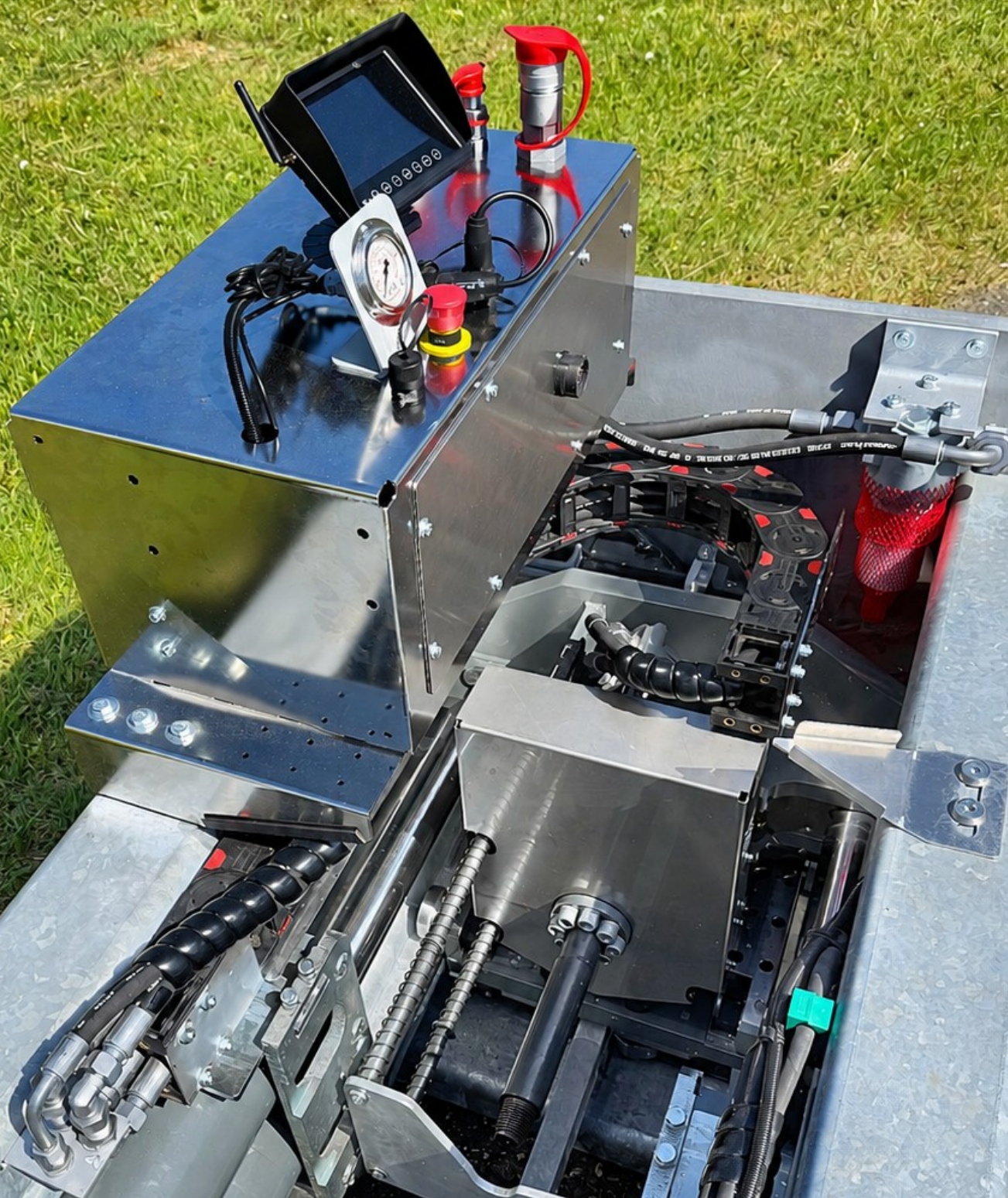
With a pulling force of **62.5 tons**, the **HC 625** reliably and economically rehabilitates old pipes made of ductile iron, lamellar cast iron, steel, vitrified clay, or plastic. New pipes **up to 350 mm in diameter** can be pulled over distances of **up to 150 m**. High working speeds enable short construction times and maximum productivity. The machine is ideally suited for the rehabilitation of sewer and utility lines with virtually any type of damage.

The robust, site-ready design combines high performance with simple operation and efficient work. Thanks to its compact footprint, fast work cycles, and reliable technology, the **HC 625** is the ideal solution for modern pipe rehabilitation projects.



TERRA-HYDROCRACK HC 625

Rod burster



BURSTING SYSTEM CAN BE USED AS A DRILLING SYSTEM

The **HC 625** can also be used as a **drilling rig**. This is only possible with threaded rods. The carriage reaches speeds of up to **100 rpm**. Encrusted or calcified pipes can be drilled through. Manhole walls can also be drilled through using a reamer.



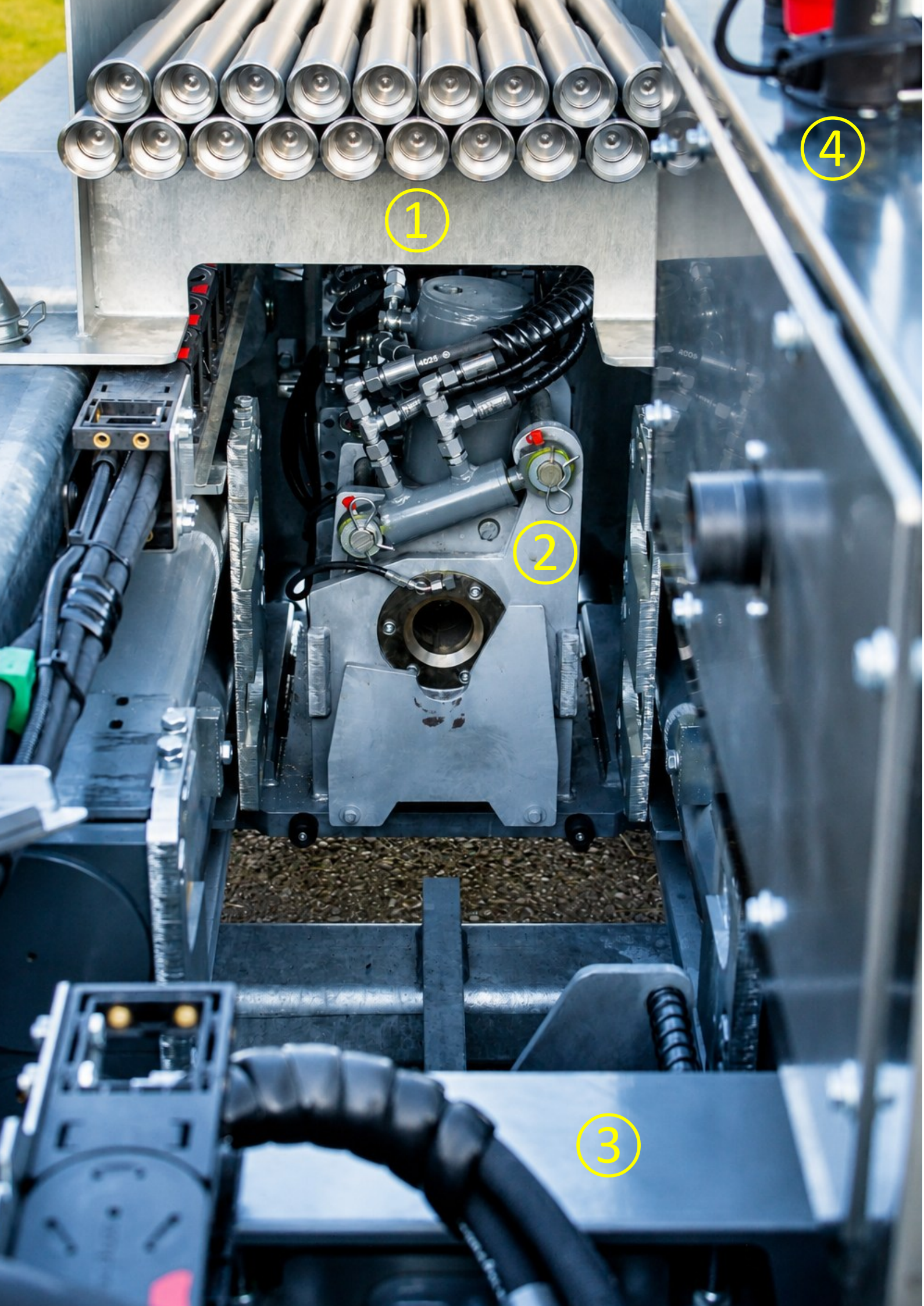
COMPACT DESIGN

The **HC 625** consists of the machine (L=2.3 m) and a front box (L=2.45 m). Together, this results in a **compact design** with dimensions of L x W x H = 4.75 x 0.8 x 0.9 m. Thanks to the bolted bursting rods, these are removed not from behind but from the side of the machine. This leads to a shorter excavation pit.



CONTROLLED FORCE TRANSMISSION

With the hot-dip galvanized **front box** and the **front support plate**, the high tensile forces can be controlled and transferred into the ground without the machine shifting. New pipes can be easily pulled into the front box.



1

2

3

4

TERRA-HYDROCRACK HC 625

Rod burster

① SCREW-ON BURSTING RODS FOR OPTIMAL FORCE TRANSMISSION

The threaded bursting rods are easy to handle and ideally suited for the rod burster. They are 0.8 m long, have a diameter of 50 mm, and weigh 11 kg. Thanks to a minimum bending radius of 20 m, they reliably follow the contour of the old pipe. The magazine can be positioned on top of the machine. A full magazine holds 114 bursting rods (91 m).

② AUTOMATIC BREAKAWAY DEVICE

The **HC 625** is equipped with an automatic breakaway device that ensures a secure and reliable connection to the bursting rods. Pipes up to $\varnothing$ 250 mm (expansion cone 300 mm) can be pulled directly into the machine, as the breakaway device can be moved all the way to the rear end of the machine.

③ CARRIAGE

The carriage of **the HC 625** allows for easy installation of the bursting rods. The bursting rods are inserted and removed hydraulically. If the old pipe is blocked by debris or corrosion, it can be drilled through at a spindle speed of 100 rpm. The cover can be fully opened, allowing for easy access for maintenance work.

④ WIRELESS REMOTE CONTROL

The **HC 625** is operated via a wireless remote control. The operator can choose between “drilling” and “bursting.” The operator stands either next to the machine or outside the pit. The pulling and pushing speed, the pressure during the bursting process, and the direction of the cylinders can be adjusted individually. The clamping device is also operated via the radio remote control.

TERRA-HYDROCRACK HC 625

Technical Data

	METRIC	IMPERIAL (U.S.)
MACHINE		
Pulling force	625 kN (63 t)	138,000 lbs
Retraction speed	60 m/h	200 ft/h
Spindle speed	100 rpm	100 rpm
Dimensions L x W x H	2.3 x 0.9 x 1.4 m	7.5 ft x 2.8 ft x 4.6 ft
Weight	2,600 kg	5,735 lbs
HYDRAULIC POWER UNIT		
Engine Type	Hatz 4H50TICD	Hatz 4H50TICD
Power	55 kW	75 hp
Fuel	Diesel	Diesel
Fuel tank capacity	70 L	18 gal
Hydraulic pressure	235 bar	3,410 psi
Hydraulic flow	150 l/min	40 gpm
Dimensions L x W x H	2.0 x 1.0 x 1.6 m	6.6 x 3.3 x 5.2 ft
Weight	1,150 kg	2,535 lbs
SUPPORT ACCESSORIES		
Dimensions L x W x H (front box)	2.45 x 0.9 x 0.8 m	8.0 ft x 2.8 ft x 2.5 ft
Weight (front box)	640 kg	1,410 lbs
Dimensions W x H (support plate)	1.15 x 1.25 m	3.8 x 4.1 ft
Weight (support plate)	273 kg	600 lbs
ROD		
Length	0.8 m	2.6 ft
Diameter	ø 50 mm	2"
Weight	11 kg	24 lbs
Thread	API-38	API-38

* Subject to technical changes without prior notice.

TERRA – always one drill ahead!



HIGH-QUALITY TOOLS

Bursting tools are a matter of trust. Different pipe materials require a wide range of cutting blades and bursting accessories.



PULLING ACCESSORIES

TERRA offers a wide variety of expansion cones, sleeves, and expansion mandrels. These ensure the safe pulling of your new HDPE pipe.



MACHINE ACCESSORIES

TERRA's pipe bursting systems can be equipped with various machine accessories. Quick-change systems or support accessories make bursting easier.



SERVICE AND CUSTOMER SUPPORT

Satisfied customers worldwide and a service-friendly design make TERRA's pipe bursting systems the leaders in their class.