

Rod Burster
TERRA-HYDROCRACK HC 600

Swiss made



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60 TONNES OF FULL POWER

The **TERRA-HYDROCRACK HC 600** is one of the most productive Rod Burster for the replacement of old pipes \varnothing 50 - 350 mm made of cast iron, ductile, steel, clay ware or plastic. With a maximum pulling force of 60 tonnes at 235 bar new pipes up to \varnothing 350 mm can be replaced over a length of 150 m. The pulling speed lays by industry leading 225 m/h. Powered by a proven 57 HP (42 kW) strong HATZ Diesel engine, which fulfils the newest environmental Diesel standards (Stage 5), it operates always at maximum performance.

AVAILABLE AS A SHORT OR COMFORT VERSION

The Rod Burster is available as a short or comfort version. With a weight of 720 kg the short version is much lighter than the comfort version (1.470 kg). Nevertheless it offers the same power and productivity. With the comfort version the operator can sit in the machine during operation. He is protected by a trench box. No extra shoring is needed for the working pit. The adaptable trench box allows a fast and safe operation according to the safety precaution laws. The rods can easily be taken out of the magazin bellow the operator's seat.



PIPE PULLING INTO THE PIT

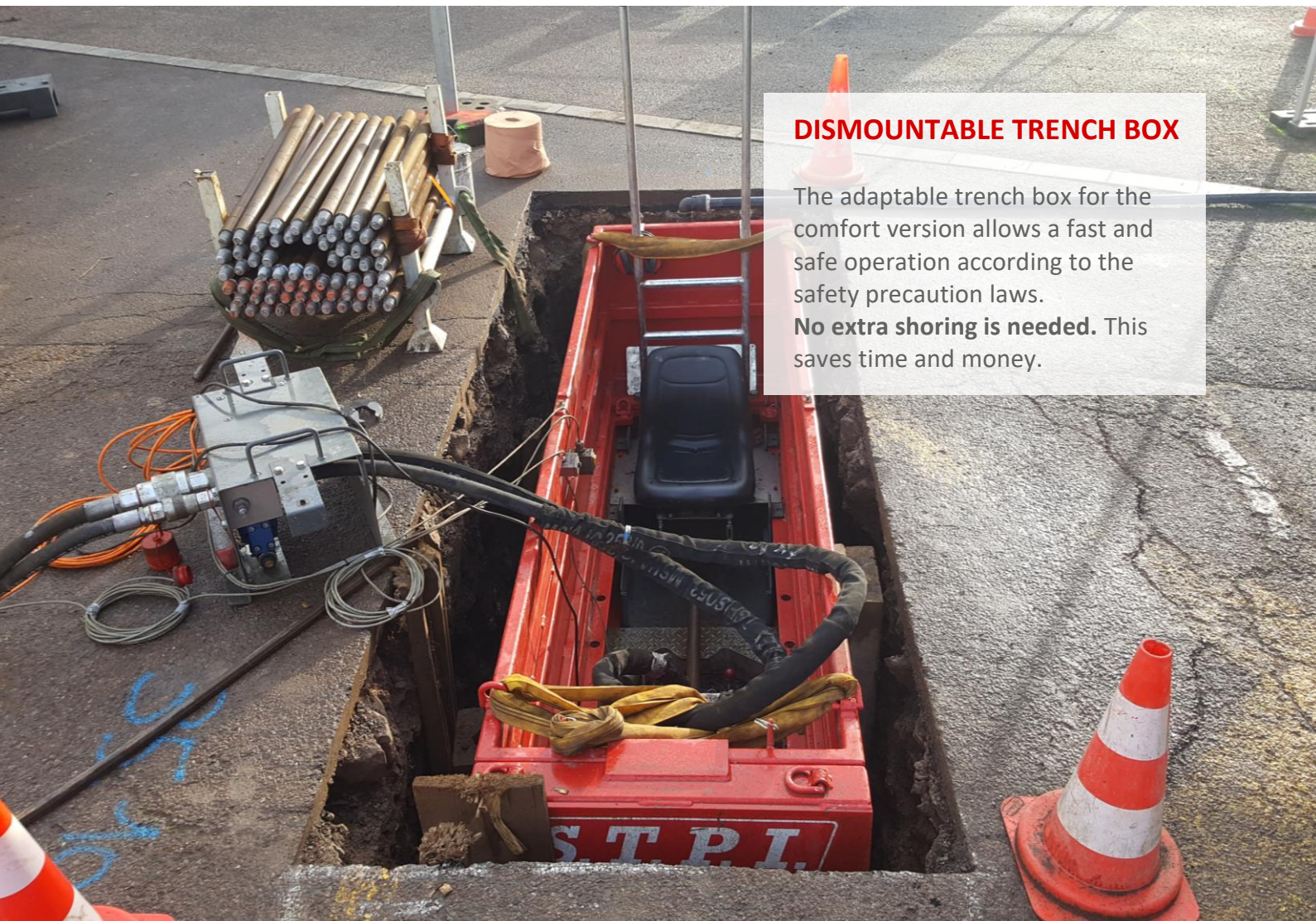
The new pipes can be easily pulled into the machine and the working pit, because the hydraulic cylinder can be moved to the rear end of the machine (patented). The rod burster must not be moved backwards.





HIGH QUALITY RODS

The rods are easy to handle. They follow the old pipe with a minimum bending radius of 17 m.



DISMOUNTABLE TRENCH BOX

The adaptable trench box for the comfort version allows a fast and safe operation according to the safety precaution laws.

No extra shoring is needed. This saves time and money.

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FOOT AUTOMATIC AFC

The foot automatic AFC allows a one-man operation. This is fast and easy. With the remote control the hydraulic pressure and volume can be adjusted automatically to the required speed.



AUTOMATIC CLAMPING SYSTEM

The automatic clamping system guarantees a secure and reliable contact to the rods. The direction can easily be changed.

Control panel with potentiometer and indicators for Diesel and hydraulic oil level.



TERRA
PP 250 X 80
supersilent

HATZ POWER PACK

The HC 600 is equipped with a proven 57 HP (42 kW) strong **HATZ Diesel engine**. The engine speed can be adjusted in all positions between idle and maximum. It operates at low rotation speed and is supersilent.

Large oil cooler, allows even tropical and desert operations.



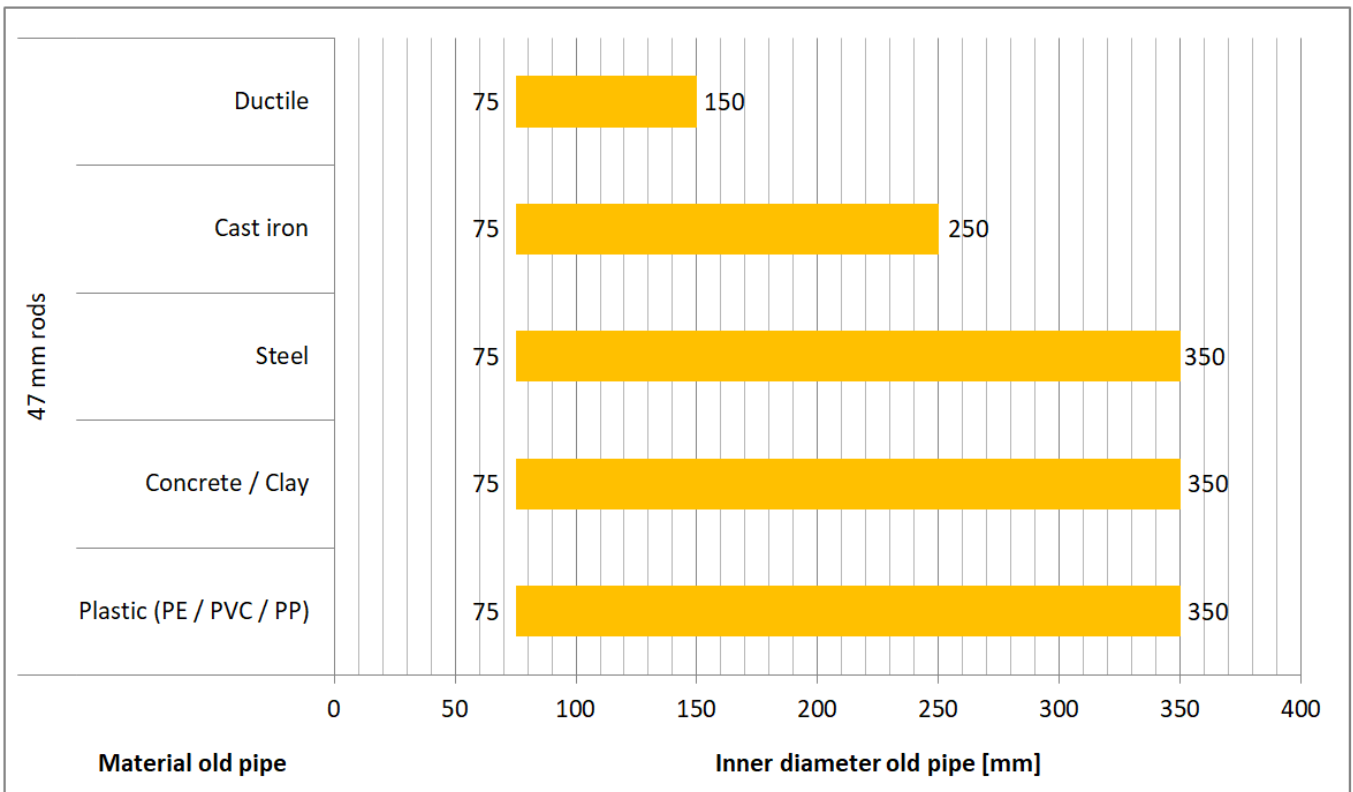
The power pack can easily be lifted with a mini-excavator on the yellow lifting devices or by using a forklift.



Hydraulic pressure and hydraulic volume are adjusted automatically to the required power and the maximum power of the Diesel engine.



OPERATIONAL DIAGRAM HC 600



TERRA-HYDROCRACK HC 600

Technical Specifications

BURSTING UNIT HC 600	SHORT VERSION (S+)	COMFORT VERSION (C+)
Pulling force @ 235 bar	600 kN (60 to)	600 kN (60 to)
Old pipe	ø 50-350 mm	ø 50-350 mm
New pipe	up to ø 355 mm	up to ø 355 mm
Length	up to 150 m	up to 150 m
Pulling speed ¹⁾	225 m/h (3,8 m/min)	225 m/h (3,8 m/min)
Max. pressure	235 bar	235 bar
Rods, length	1,0 m	1,0 m
Rods, diameter	ø 47 mm	ø 47 mm
Rods, weight	13 kg	13 kg
Dimensions L x W x H	1,45 x 0,7 x 0,5 m	3,1 x 0,8 x 1,25 m ²⁾
Weight	720 kg	1.470 kg

1) Data only valid for HATZ Diesel Power Pack

2) Dimensions incl. trench box



POWER PACK	VANGUARD	HATZ
Power	23 HP (17.2 kW)	57 HP (42 kW)
Fuel	Petrol	Diesel
Daily consumption (per 8 h)	55 ltr	40 ltr
1. hydraulic level (high power)	30 ltr/min @ 235 bar	70 ltr/min @ 235 bar
2. hydraulic level (high speed)	80 ltr/min @ 90 bar	200 ltr/min @ 80 bar
Fuel tank	20 ltr	50 ltr
Hydraulic tank	25 ltr	50 ltr
Dimensions L x W x H	2,6 x 1,2 x 1,8 m	1,8 x 0,8 x 1,45 m
Weight	290 kg	860 kg

* All data depending on ground conditions. Technical Data may change without prior notice.



TERRA – always one bursting job ahead!



PREMIUM BURSTING TOOLS

High quality bursting tools are available for all kind of material. They are designed and produced inhouse at TERRA to maintain peak performance.



PULLING ACCESSORIES

TERRA offers a wide range of expander cones, sleeves and expander chucks. They allow a safe and secure pulling of the new HDPE pipe.



MACHINE ACCESSORIES

The bursting machines from TERRA can be equipped with different machine accessories. Rear support frames or front plates make the assembly and disassembly easy.



CUSTOMER SERVICE

Satisfied clients worldwide and a great customer service are the result of our constant progress. The TERRA Pipe Bursters are a must have for every contractor!