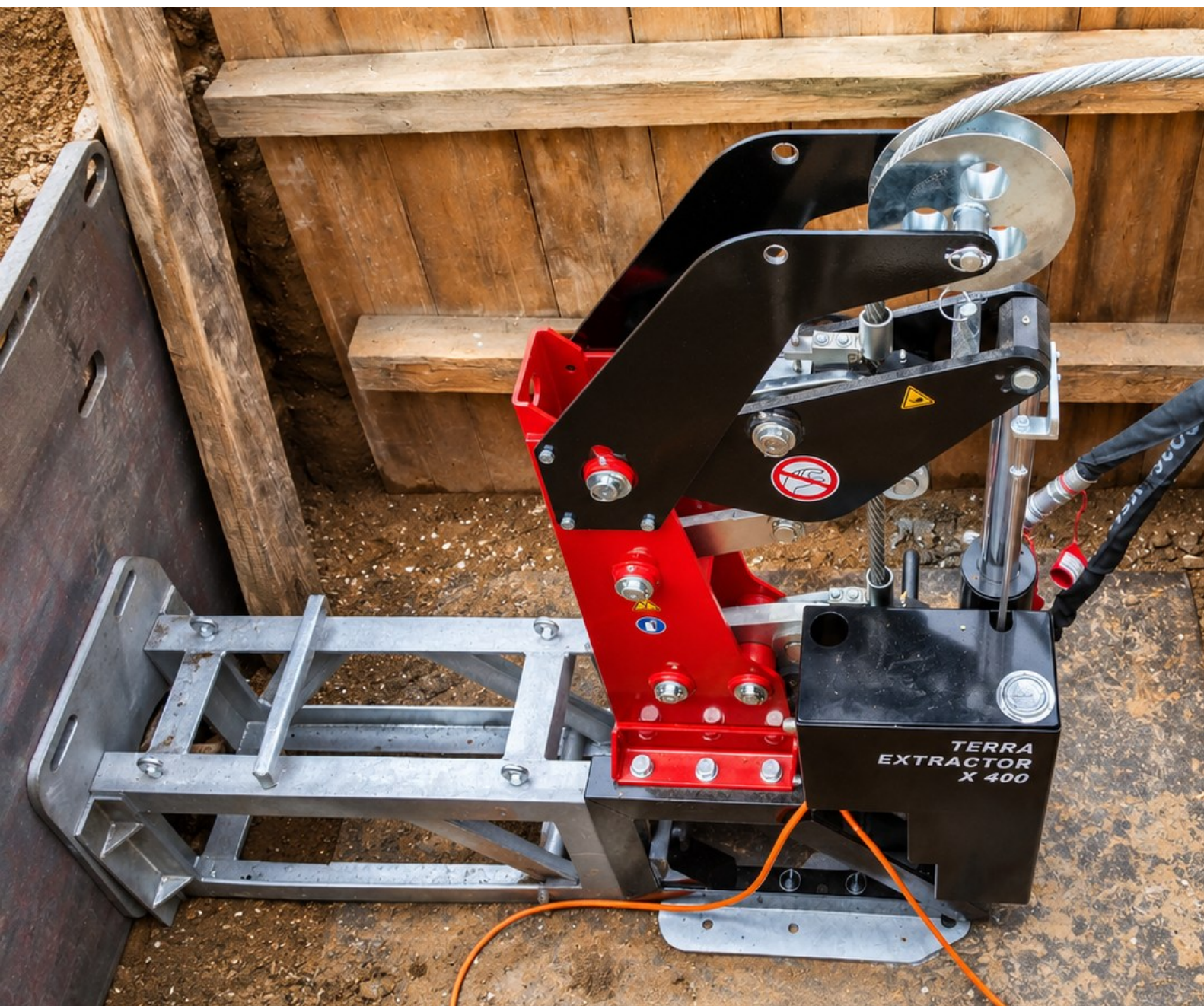


Cable burster TERRA-EXTRACTOR X 400

SWISS MADE



TERRA-EXTRACTOR X 400

Cable burster

MAIN CLAMP

The main clamp is equipped with patented clamping jaws. It clamps the pulling cable while the cylinder pushes the main clamp upward. Even dirty and greasy cables can be clamped.

40 TONS OF PULLING FORCE

The powerful hydraulic cylinder generates a pulling force of 40 tons for high productivity on your construction site.

COUNTER CLAMP

The counter clamp keeps the pulling cable under tension while the cylinder retracts and the main clamp is released. It is easily accessible and can be quickly replaced.



FRONT PLATE AND FRONT BOX

The X 400 is supported at the front of the excavation pit by the front plate. Thanks to the front box located behind it, bursting tools and new pipe can be pulled all the way into the pit.

DEVIATION PULLEY

The large deflection pulley redirects the pulling cable from the horizontal to the vertical. This reduces the required trench length.

HYDRAULIC CABLE DRUM

The hydraulic cable drum handles the pulling cable and facilitates bursting. It holds up to 150 m of the special cable and is equipped with a cable guide and cable brake.

40 TONS OF FORCE. MAXIMUM PRODUCTIVITY

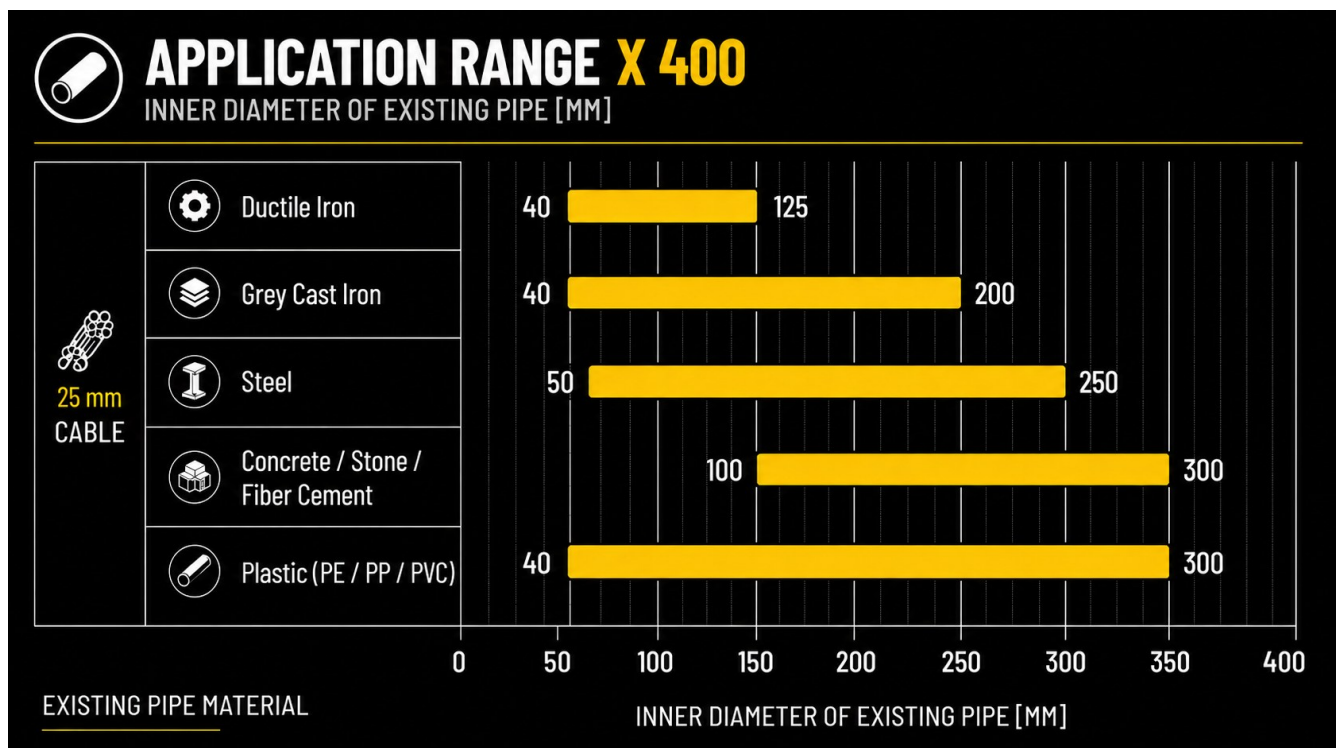
The **TERRA-EXTRACTOR X 400** delivers maximum performance in the rehabilitation of old and damaged horizontal pipelines. It achieves an impressive **pulling force of up to 40 tons at 215 bar**. This allows for the efficient rehabilitation of pipelines up to **Ø 300 mm** and section lengths of up to **150 m**. The compact design reduces the space required on the job site and allows for small excavation pits. Thanks to its well-thought-out, modular design, the machine is easy to transport, quick to install, and particularly user-friendly in daily operation.

REHABILITATION OF STEEL, VITREOUS CHINESE, OR GREY CAST IRON PIPES

Equipped with a **25 mm diameter pulling cable**, the **X 400** is suitable for the renewal of pipes made of **cast iron, steel, stoneware, and plastic**. The front-centered blade geometry ensures precise force transmission and effortlessly breaks through even couplings with hard cement shells.

REHABILITATION OF OLD PLASTIC PIPES

The **X 400** also allows for the quick and cost-effective rehabilitation of **old plastic pipes** made of PE and PVC with diameters ranging from 40–300 mm. Special PE blades precisely cut the old pipe in half and displace the old material to the side in a controlled manner.



TERRA-EXTRACTOR X 400

Cable burster

RENOVATION WITH ROLLER CUTTERS

The roller cutters can be used to burst old pipes made of steel, ductile iron, or plastic. The toothed discs can be quickly replaced and allow for a wide range of applications.

POWERED BY GENERATOR OR EXCAVATOR

The **X 400** offers maximum flexibility in operation and can be powered either by the Hatz diesel generator or directly by an excavator with **215 bar** and **80 l/min** hydraulic output. The powerful diesel generator is conveniently started via an electric starter and features integrated engine and pressure monitoring for maximum operational safety.

The hydraulic pressure can be continuously adjusted from 0 to the maximum air pressure via an electric remote control, allowing for precise adaptation to the specific operating conditions.

For operation via an excavator, a specially designed valve box is included, ensuring reliable and convenient control of the hydraulics. This makes the **X 400** the ideal solution for demanding applications where performance, flexibility, and ease of use are required.





HIGH-TECH CLAMPING JAWS

Four clamping jaws with a grooved base clearance (patented) ensure secure contact with both new and soiled cables.



CABLE COUPLING

The cable coupling serves as a reliable connection between the 25 mm diameter pulling cable and the bursting tool. The pull fork ensures a force-fit transmission of the high tensile forces.

FULLY AUTOMATIC PIPE FEED

In conjunction with the hydraulically driven cable drum, pipe pulling is fully automatic and highly efficient. This enables working speeds of up to **145 m/h**. It holds up to **150 m** of special cable and is equipped with a cable guide and cable brake. Pulling force and speed can be adjusted via remote control.

No personnel are required in the excavation pits during the pipe bursting process—a plus in terms of safety and cost-effectiveness. TERRA's intelligent system reduces labor costs, accelerates construction progress, and sustainably lowers project costs.

PIPE PULLING INTO THE EXCAVATION

Thanks to its compact design, the **X 400** requires very little floor space. It can therefore be supported even in pits to rehabilitate longitudinal pipes. Two front boxes, each 1.0 m long, are used for this purpose. Attachment eyes serve as anchor points for lifting the **X 400** safely and reliably into its working area.



TERRA-EXTRACTOR X 400

Technical Specifications

	METRIC	IMPERIAL (U.S.)
CABLE BURSTER		
Pulling force	400 kN (40 t)	88,000 lbs
Pulling speed	145 m/h	475 ft/h
Dimensions L x W x H	0.9 x 0.6 x 1.6 m	3.0 x 2.0 x 5.2 ft
Weight	630 kg	1,400 lbs
HYDRAULIC POWER UNIT		
Engine Type	Hatz	Hatz
Power	42 kW	57 hp
Fuel	Diesel	Diesel
Tank capacity	50 L	13 gal
Hydraulic pressure	215 bar	3,115 psi
Hydraulic flow	80 l/min	21 gpm
Dimensions L x W x H	1.6 x 1.0 x 1.6 m	5.0 x 3.0 x 5.0 ft
Weight	710 kg	1,565 lbs
SUPPORT ACCESSORIES		
Dimensions L x W x H (Front Box)	1.0 x 0.6 x 0.4 m	3.3 x 2.0 x 1.3 ft
Weight (Front box)	60 kg	132 lbs
Dimensions L x W x H (Front panel)	1.15 x 1.25 m	3.8 x 4.1 ft
Weight (Front panel)	295 kg	650 lbs
CABLE		
Length	up to 150 m	up to 400 ft
Diameter	ø 25 mm	1"
Weight	3.1 kg/m	2.1 lbs/ft

* These specifications are subject to the substrate. Subject to technical changes.

TERRA – always one burst length ahead!



HIGH-QUALITY TOOLS

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



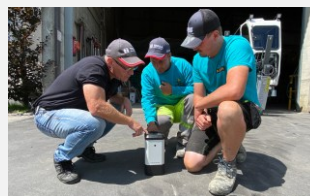
PULLING ACCESSORIES

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 the bursting process easier.



SERVICE AND CUSTOMER SUPPORT

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