



GRUNDODRILL 15XP

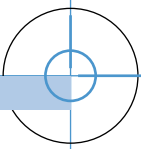
Superior class HDD bore rigs

GRUNDODRILL 10XP & 15XP

*You can count on
these bore rigs.*



TRACTO-TECHNIK



X P-G EN

To the top...

The development of the Grundodrill bore rigs is determined by customer requests, own experiences, innovative technology and top quality. Our latest level sets standards for the ever increasing demands in the world of trenchless bore technologies.

Highest standards

All TT bore rigs are equipped with the user friendly auto-bore control. This means:

- stress free operation,
- short auxiliary bore times,
- optimal and protective rod reverse mode,
- performance regulated steering of the bore process,
- take-over of routine manual functions.

A data logger automatically stores all bore data such as thrust and pulling forces, torque and drilling fluid pressures. The pulling force measuring device is also an advanced technology feature. The pulling forces affecting the pipe are transferred directly to the operator via the LCD display and viewed there.

GRUNDODRILL 10XP



GENERATION



Tested safety



Made in Germany

Design and performance

The design of the XP series showcases innovative technology combined with powerful performance.

A real eye catcher providing

- large, ergonomic and comfortable operator cabin,
- sufficient drilling capacity for every challenge,
- easy to handle,
- superior appearance at every jobsite,
- Specific customer painting and signage

High technology under cover

Long life is sustained even after numerous years of applications. This is guaranteed by the high technical standard as well as details such as the engine cover, made of easy-care, weather resistant plastic and the fully galvanised drill rod box. The protected electronics are shock and vibration absorbing.

Prior to delivery, the bore rigs are tested to their limits in a specially constructed test stand. All TT machines undergo an additional type testing because safety always comes first. (All TT-UK rigs comply to HSE Safety regulations.)

GRUNDODRILL 15XP







TRACTO-TECHNIK

GmbH & C. KG

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The basis

The basic equipment consists of:

- drive engine for driving and boring mode,
- rubber tracked undercarriage + 1 stabiliser for good stability,
- all-weather cabin with operator seat, joysticks, LCD display,
- drill rod box,
- semi-automatic rod exchange system,
- semi-automatic clamp and break-away system,
- anchor bore system with drilling fluid collector tray,
- drilling fluid HP pump on board the rig,
- bore automatics,
- bore data log – Telemetric data capture,
- pre-equipped for rock drilling, cable guided bores, tensile load measuring.



Operator cabin

- Spacious operator cabin, 75° of swivel,
- individually adjustable operator seat,
- multifunction joystick control,
- function check via LCD display,
- telemetric data transfer for rapid diagnostic testing and immediate corrective response.

The cabin is equipped with a comfortable seat, heater and air conditioning, 2 outside spotlights, hook-out window, thermal protection glass, warning lamp, security system and Radio with CD player.



Emergency hydraulics

The emergency hydraulics are easily and quickly accessible in case the electrical components break down.



The perfect addition

For the drilling fluid we recommend the Mixing system MA 010 D:

- 1 working tank with 4000 l, with option of 2 x 4000 l,
- drilling fluid mixing and supply system,
- Venturi nozzle (25 kg in 25 seconds),
- maintenance-free mixing and delivery pump (1300 l/min),
- integrated workbench on board,
- 11 kW Hatz Diesel engine,
- filling level indicator, fresh water filter, pressure relief valve.



Alternatively the mixing system, Type MA 07 D is applicable, with it's 23 kW Hatz Diesel engine and 2 independent pumps to simultaneously mix and feed the drilling fluid.

INTEGRATION



High-pressure cleaner.



Remote control for driving mode.



Drilling fluid suction pump.



Pit remote control.



The percussive hammer

"Last resort assets": the dynamic impact unit. The percussive hammer strikes the drill rods with 1500 strokes per minute, overcomes stony and compacted soils, peak resistance and casing friction making it easier to steer the pilot bore.

Additional options

	10XP	15XP
Cabin (heater, tinted glass...)	✓	✓
Fully automatic system (paddle mode, drill rod exchange)	✓	✓
High-pressure cleaner	✓	✓
Air condition	✓	✓
Percussive hammer, (1500 strokes/min)	✓	✓
Hammer anchoring system	✓	✓
Drilling fluid suction pump	✓	✓
Remote control	✓	✓
Drilling fluid pump 180 l / min instead of 115 l / min.	✓	-
Rubber-tracked steel chain undercarriage	-	✓

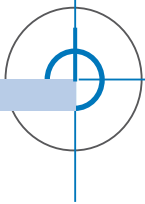
Direct comparison

GRUNDODRILL 10 XP

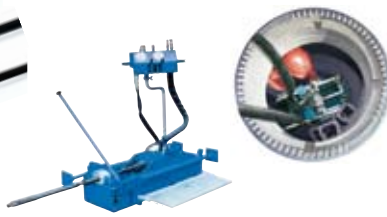
- Pulling and thrust forces up to **105 kN**
- Perkins Diesel engine with **75 kW**
- Torque up to **3300 Nm**
- Spindle speed **200 rpm**
- HP Bentonite pump with **115 l/min**
- Drill rod magazine with **44** drill rods (**132 m**)
- Super-sound proof only 66 dB (A)
- Bore length/under river crossings up to **250 m** (depending on soil)
- Pipe installation up to **OD 355** (depending on soil)

GRUNDODRILL 15XP:

- Pulling and thrust forces up to **147 kN**
- Perkins Diesel engine with **106 kW**
- Torque up to **4500 Nm**
- Spindle speed **180 rpm**
- HP Bentonite pump with **200 l/min**
- Drill rod magazine with **60** drill rods (**180 m**)
- Super-sound proof only 66 dB (A)
- Bore length/under river crossings up to **350 m** (depending on soil)
- Pipe installation up to **OD 450** (depending on soil)



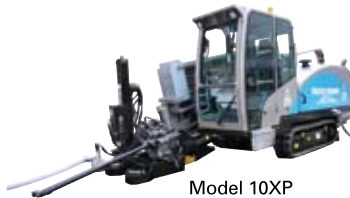
GRUNDOMAT soil displacement hammers
up to Ø 180 mm - for more than 40 years



GRUNDOPIT "P" Family
Models: Standard, Power, Manhole
Mini bore rigs for Pit launch
4 t pulling force, bores up to Ø 180 mm



GRUNDORAM - steel pipe ramming machines
for installation up to Ø 4000 mm



Model 10XP

GRUNDODRILL "X" Family
Models: 4X, 10XP and 15XP,
4 - 15 t thrust and pulling force
Bores up to Ø 400 mm



Model 15N

GRUNDODRILL "N" Family
Bore rigs for special requirements,
15 - 25 t thrust and pulling force
Bores up to Ø 700 mm, bore lengths up to 400 m

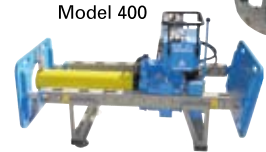
Model 25N



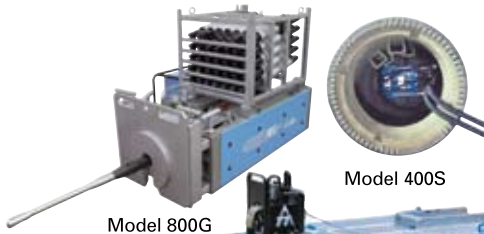
Model 200S
(Manhole version)



Model 400



GRUNDOBORE
Auger boring units, pilot-steered,
e.g. for gravity pipes
Models 200S and 400



Model 800G

Model 400S



Model 2500G

GRUNDOBURST - Static pipe bursting
Models: 400G + S, 800G, 1250G und 2500G
Pipe renewal up to Ø 1000 mm



GEODRILL 20V

GEODRILL
Bore rigs
for geothermal
heat extraction
Model Geodrill 20V
for vertical bores
and 4R for
radial bores



GEODRILL 4R



PRIME DRILLING - Large HDD rigs
Up to 600 t pulling force, bores up to Ø 2000 mm



THE ONLY CHOICE FOR PERFECT PIPE INSTALLATIONS

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