

Grundodrill 25N
by
TRACTO-TECHNIK



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Applications of Trenchless Technologies





Grundodrill 25 N TT's strongest HDD rig



Grundodrill 25 N





Grundodrill 25N



245 kN push and pulling force, torque 10.000 Nm
For bors up to 1000 mm Ø and 500 m length.



Grundodrill 25 N Small construction • width only 2,5 m

only approx. 1,30 m
distance from
the drilling shaft to
the HDD system's
outer edge



The HDD system can be driven closely to house walls, walls, fences etc.





Grundodrill 25 N Bore path





Grundodrill 25 N

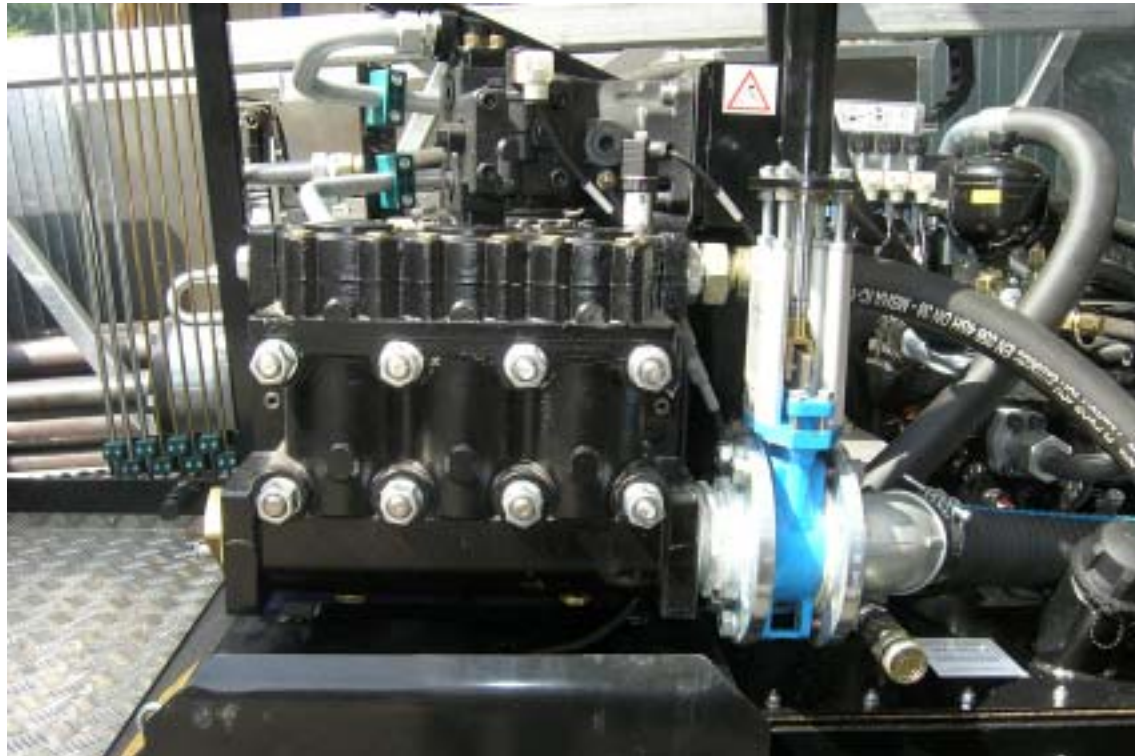
190 kW Deutz Diesel engine • can be driven with Biodiesel



Easily accessible components – operator and maintenance friendly.



Grundodrill 25 N Bentonite high pressure pump



500 l flow capacity
Up to 100 bar max. fluid pressure





Grundodrill 25 N XXL rod magazine- 288 m rod capacity



96 drill rods TD 82

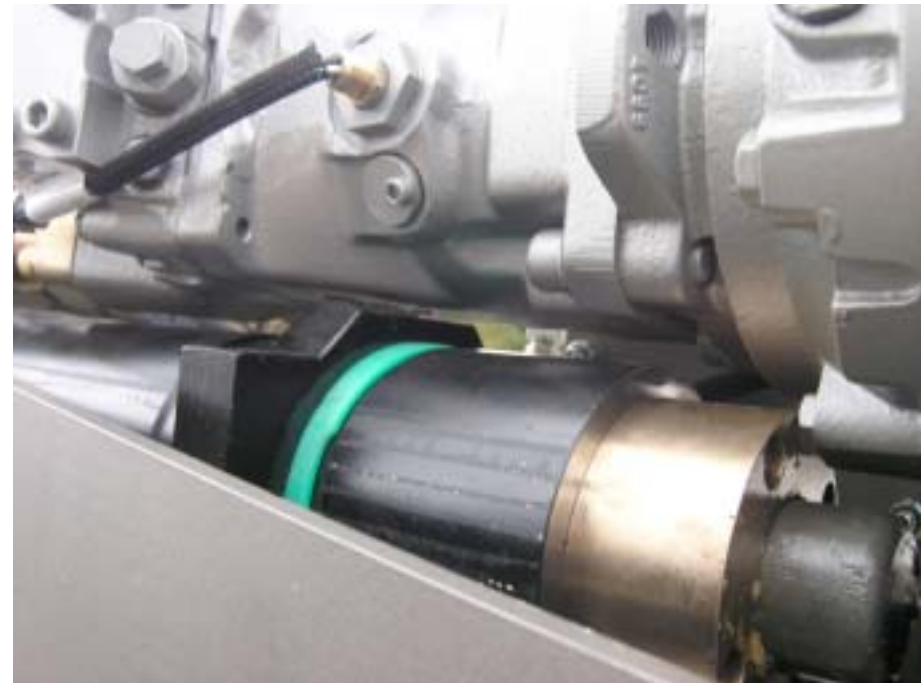


Grundodrill 25 N Gripper system – Scissors gripper



Grundodrill 25 N Percussive hammer

- Reinforced percussive hammer with 1500 strokes/min.
- The percussive hammer eases steerability and drilling in stony soils.
- The point resistance is easier to overcome.



Grundodrill 25 N Cabin



Cabin can be pivoted and fixed in 5 different positions



Grundodrill 25 N Operator stand



- ➔ Ergonomic seat
- ➔ Air condition, heating, radio, CD



- ➔ Spacious cabin
- ➔ Hinged window
 - all-around view



- ➔ Control via joystick



Grundodrill 25 N Function display

- Digital entry and control of all functions
- Integrated bore data logging and documentation (all data such as pulling forces, torque, Bentonite pressure etc. are stored automatically)
- Integrated radio transmission data logging from the Grundolog III pulling force measuring unit



Grundodrill 25 N Pulling force measuring



3 measuring bodies for 0-1250 kN

Pulling force transfer via radio transmission



Grundodrill 25 N

Drill rod clamping and loosening device



Grundodrill 25 N Operating modes

- Manually via Joystick
- Semi-automatic:
Pipe pulling
- Fully automatic:
Pipe pulling + loosening and
exchange of the drill rods
- Manual hydraulics in case of
failure



Manual resp. emergency hydraulics to
avoid downtimes





Grundodrill 25 N Stability

18 t total weight
Front and rear
stabilisers
Tracked undercarriage
Anchoring system





Grundodrill 25 N

Rubbertracked steelchain undercarriage



All-terrain, heavy-duty, wear resistant undercarriage





Grundodrill 25 N Anchoring system





Grundodrill 25 N Drive mode





Grundodrill 25 N Bore head for heavy soils



170 mm Pilot bore



Grundodrill 25 N Backreamer up to 1000 mm Ø



Grundodrill 25 N Application



Grundodrill 25 N Pulling in of a PE pipe Ø 800 mm





Grundodrill 25 N Pre-equipped for rock bores



Spot bore up to 150 mm



Upsizing bore up to 18"



Grundodrill 25 N Mixing unit MA 07 - D Driven by Diesel engine



Mixing tanks each 4000 l



Mixing unit with integrated Diesel engine for Grundodrill N series



Grundodrill 25 N Mixing unit MA 07 - E alternatively with electric drive

2 Mixing tanks each 4000 l



Mixing unit



Power set 45 kVA
for Grundodrill N series





Grundodrill 25 N Transport



Grundodrill 25 N Delivery





Grundodrill 25 N Delivery





Thank you for your attention!

