

GRUNDODRILL

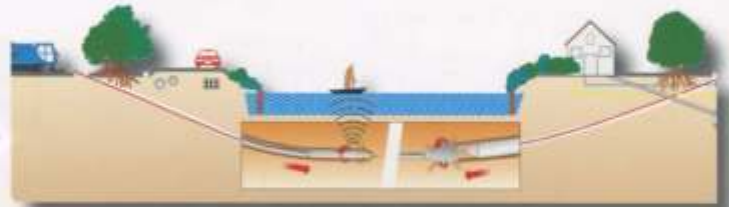


HDD fluid-assisted drilling

Pipe installation using the HDD technique is divided into the following working steps:

1. Establishing of a controlled pilot bore.
2. Upsizing of the bore hole to the required diameter
3. Pulling back of the drill rods and simultaneous pulling in of the new pipe

The drilling fluid (water / Bentonite) plays an important part in a successful installation. It helps to extract the soil, transports the spoil to the outside and provides a supportive pipe gliding quality..



Specifics

- For parallel installation, river crossings and crossings beneath roads, railway tracks and buildings of PE pipes to ND 700 over max. 500 m length
- Dynamic percussive hammer for optimal thrust and steerability in stony soils (200 kN additional ramming energy) automatic drill rod exchange (N series), comfortable cabin, control of all functions via 2 joysticks, digital display, complete bore data log, pulling force measuring
- Pre-equipped for cable guided bores and bores through rock.



Bore head with sonde



Above: Location, inclination and position of the bore head are automatically transmitted to the receiver.



Bentonite mixing system MA 010 for all HDD rigs

MA 010 with HP pump; 2 tanks (4000 l each). Flow rate: 1200 l Bentonite/minute; Drive 10 kW Hatz-Diesel Motor.



GRUNDODRILL XP series

GRUNDODRILL N series



Bore head with sonde in operation



Grundodrill 4X

GRUNDOLOG III – also for pipe bursting



Grundolog III measuring unit for pulling force recording and log, mounted between backreamer and pipe puller.



Rock bores with little drilling fluid. Grundorock for all HDD rigs 100-250 kN without conversion, no double pipe rods, no downhole hammer / compressor

Rock drilling: roller bits in different sizes and versions, hole openers for upsizing bores up to 16" with easy-to-exchange TCI cutters.