STUDERSOND

Exploratory boreholes

Casing Drilling Method

To investigate soil and subsurface conditions, we utilize our patented STUBORE® drilling system, which operates with a **dual-core barrel** capable of penetrating all geological strata.

Soil loosening is achieved through **rotary-percussive or rotary-only** methods. When necessary, targeted flushing with either air or water ensures optimal drilling efficiency.

Casing, drilling, and core extraction take place simultaneously, allowing for **rapid and seamless drilling progress.**

Application Areas

We carry out vertical drilling in both unconsolidated ground and solid rock to depths of up to 70 metres. Our expertise also extends to complex interbedded strata, landfill sites, and operations conducted from pontoons.

The specially engineered undercarriage of our drilling rigs enables work on **steep terrain** without the need for additional temporary structures.

Thanks to the telescopic drill mast**, indoor drilling operations** are also feasible.

Drill Cores

The STUBORE® drilling system ensures consistently **high-quality core samples** throughout the process.
In addition to storing the cores in sealable core boxes, they can also be collected in **liners**.
We also offer the option of retrieving **undisturbed soil samples**.
If required, the cores can be wrapped in **protective film** to help prevent the spread of contaminants and minimise the release of gases or liquids.

Testing and Installations

All conventional **geotechnical and geophysical tests** can be performed within the borehole, including SPT, dilatometer, and vane shear tests.
Standard installations such as piezometer tubes or inclinometer casings can be placed safely within the protective casing.

Efficient Operations

Our streamlined logistics enable rapid setup and immediate commencement of drilling. Thanks to the high-performance drilling system, **core recovery and sampling can begin shortly after drilling starts**.
On-site presence of the geologist ensures **seamless communication** and real-time coordination with the drilling team.

Drilling machine TL18geo

Drill Cores

Liner

Logistics

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