



# DEEP CORE SAMPLERS

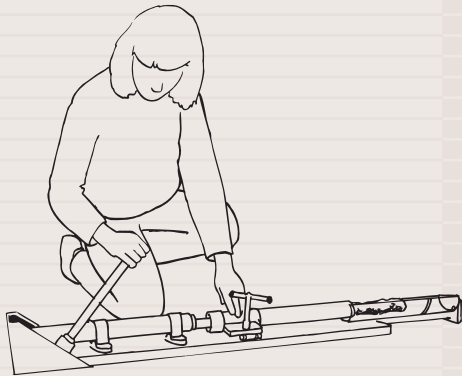
You will return to the contents of P1 SOIL by clicking the pictogram

P1.33

The sampling tube is beaten into the soil using a falling hammer.



The sample is removed from the sampling tube using the extruder.



## BENEFITS

### 04.14 Van der Horst core sampler

- The slimmest system; only 70 mm OD
- Can be used in narrow casings
- Uses standard large volume stainless tubes
- Works with drop hammer or hand hammer

#### 04.14 Van der Horst core sampler

The Van der Horst core sampler is used for manual filling of the stainless steel sampling tubes.

Sampling can take place in bore holes, casing tubes (minimum diameter 75 mm) or in the beds of canals, lakes, etc. up to a depth of approximately 10 m.

By contrast to the Akkerman core sampler the Van der Horst sampler is entered into the bore hole using extension rods.

The core sampler can be beaten into the soil using the steel hammer with nylon head or using a falling hammer (type down the hole). When the sample enters the tube, the water or air above the sample can escape through a non-return valve. After sampling the apparatus with the filled tube is extracted from the soil using the support and lever beam with rope catcher.

Among other items the standard set contains: a handle with beating head, extension rods, a steel hammer with nylon heads, a falling hammer (type down the hole), a Van der Horst core sampler, sampling tubes with and without core catcher, plastic sampling liner, sampling tubes, PE covers, a hydraulic extruder and various accessories. The complete set is delivered in an aluminium transport case.

#### Application for both core samplers

The samples taken with both core samplers in practice are usually used for:

- Soil technical measurements (compressibility, determination of the shear strength).
- Soil physical measurements.
- Determination of the granular composition.
- Chemical analysis, for instance through leaching tests using the special connection set.
- Visual impression.
- Soil profile research.



Van der Horst core sampler with tube



Falling hammer (type down the hole)