



## Key Features

- Liner allows easy removal of sample
- Thin-walled sample tubes
- Safe sample transport with liners
- Stainless-steel sampler body
- The liner sampler set for hard soils
- Screw thread connection
- Suitable to use the shock-absorbing or down-the-hole hammer

Please note that the liner will absorb volatiles.

We offer two different sets of liner samplers; this is the one suitable for hard soils thanks to its screw thread connection. The liner sampler has a stainless-steel sampler body,

If undisturbed samples are required, it can be challenging to remove the sample from the sampler, however this type of corer uses a sample liner inside the sample tube which facilitates the removal of the sample from the tube. The sample, still in the liner, is stored in a container which can be sealed for transport to the laboratory. The sample can be viewed directly in the field without touching it.

## Applications

- Soil sampling above & below groundwater table
- Environmental soil research
- Undisturbed sampling
- Soil texture research
- Root zone sampling
- Soil fertility determinations
- Assessment of soil structure
- Volume weight determinations
- Determination of granular composition
- Soil technical measurements

## Specification

|                        |                                       |
|------------------------|---------------------------------------|
| Connection             | Screw thread                          |
| Maximum root thickness | 10 mm                                 |
| Maximum sample depth   | 7 m                                   |
| Product material       | Stainless steel, iron, other material |
| Sample diameter        | 50 mm                                 |
| Sample length          | 300 mm                                |
| Sample specification   | Undisturbed                           |
| Sample stored in       | Tube                                  |
| Sample volume          | 590 ml                                |
| Package size           | 130 x 50 x 72 cm                      |
| Weight                 | 38 kg                                 |



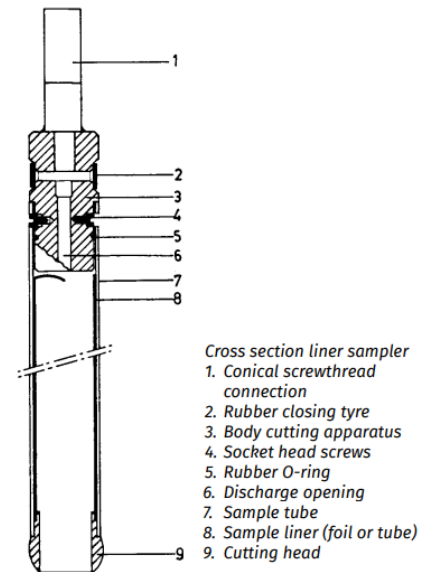
## Method

If sampling is not done right from the surface, pre-augering must be done with an Edelman auger, after which the bore hole must be flattened with a Riverside auger.

The liner sampler is prepared for use by inserting a liner tube in the sample tube (7); push the liner tube further with the cutting head to the correct placement in the tube.

Lock the cutting head in the tube by a turning it to the right, now push the sample tube over the core sampler and fasten it with the screws (4). Fasten the sampler to a handle, if need be, after placing the extension rods. Place the apparatus on the surface respectively on the bottom of the bore hole and push the sample tube vertically into the soil to be sampled.

When sampling in heavier soils the handle with beating head and impact absorbing hammer may be used to hammer the apparatus in the soil. Turn a little to the right during hammering to prevent the connections to get loose.



## Set contains

- Hand auger for pre- and clean drilling of the bore hole
- Core sampler with sampler tubes
- Handle with beating head
- Thin-walled sample tubes
- Impact-absorbing hammer
- Down-the-hole hammer
- Maintenance equipment
- Aluminium transport case