

SOIL CORE SAMPLERS

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



P1.04

04.01 Single gouge augers

The single gouge augers can not be extended and are supplied in various lengths and diameters.

The single gouge augers too are delivered in standard sets:

- ❑ A set for sampling more or less soft soil layers (art. no.: 04.01.SA) with two gouge augers having different lengths but the same diameter, packed in a strong carrying bag.
- ❑ A set for sampling of tougher layers (art. no.: 04.01.SB) with a gouge auger of a heavier design, an impact absorbing hammer and accessories plus a carrying bag.
- ❑ For the very hard soils and soils containing gravel a set with a gouge auger of the Purckhauer type (complete) with hammer and mechanical extraction system accessories and a strong carrying bag (art. no.: 04.01.SC).

Advantages

The advantages of gouge augers by comparison to other types of hand augers are:

- ❑ A greater profile survey with each sample because of the relatively longer operational part of the gouge auger.
- ❑ A greater soil depth for each stroke results in the swifter reaching of greater depths.
- ❑ Because the gouge auger cuts a core from the soil the samples obtained are virtually undisturbed.

Applications

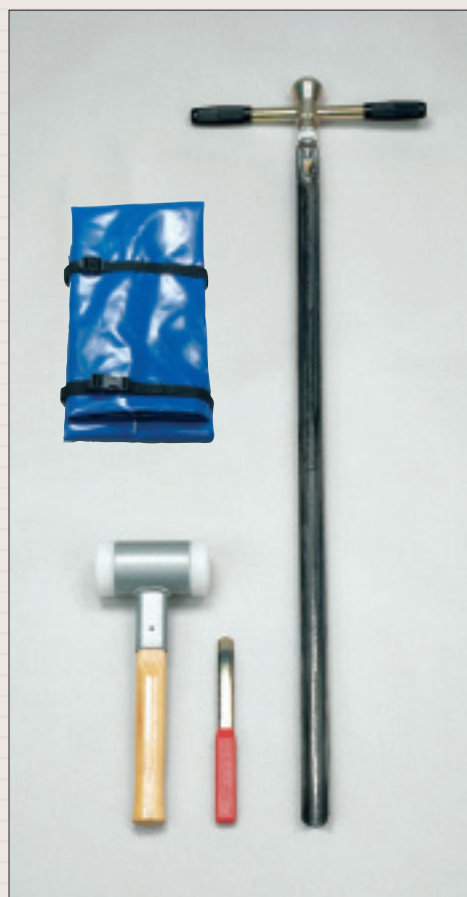
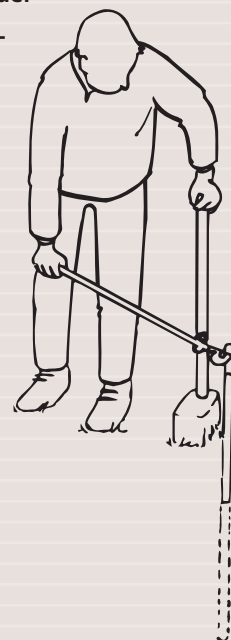
Because of the minimal disturbance of the sample, the gouge auger is frequently applied in profile research for:

- ❑ Soil mapping.
- ❑ Soil suitability reviews.
- ❑ Educational purposes.
- ❑ Root research.
- ❑ Soil sampling for fertilization research.
- ❑ Clay distribution research.
- ❑ Paleontological research.

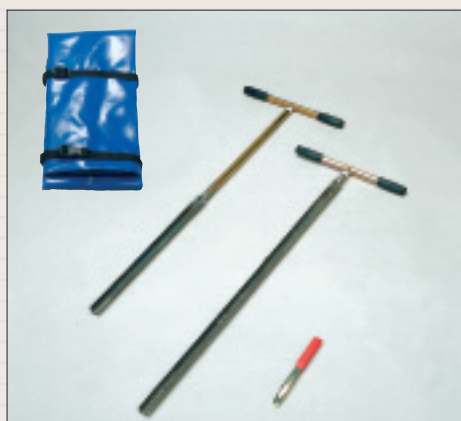
Using the impact absorbing hammer the gouge auger is hammered into the ground.



The Purckhauer gouge is pulled from the soil using an extraction system.



Single gouge auger set (SB)



Single gouge auger set (SA)



Single gouge auger set, Purckhauer (SC)

BENEFITS

Single gouge auger set (SB)

- Will take samples in the toughest soils
- Will cut through bricks and withstand stones
- Powerful very effective hammer



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