



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

SOIL CORE SAMPLERS

P1.04

After a sample has been taken with the gouge auger, it is pulled up using the push-/pull handle.



The sample is cut off using a spatula.



BENEFITS

Soil core samplers (gouges)

- Non toxic high tensile strength steel
- Large diameter for nice samples from soft soil
- Small diameters for medium to soft soils
- Perfect for rapid soil profiling
- Push, twist, pull; that's it!

Hand-operated equipment can be applied for soil research up to a depth of 5 to 10 meter.

In this product information leaflet a number of gouge augers are described. Their mutual quality is that they are all fitted with an almost half cylindrical operational part with parallel cutting edges running vertically, justifying the name gouge auger. This operational part may vary in length as well as in diameter. The most suitable length depends on the penetration resistance, the substance of the soil and the required boring depth. The longer the operational part the more vulnerable the auger is to torsion.

The selection of the most suitable diameter depends on the composition and the structure of the soil and on the purpose of the research.

In general a smaller diameter is applied in soils with a fine and/or dense structure, by comparison to soils with a loose structure (for instance young swampy peat).

04.02 Bi-partite gouge augers

The bi-partite gouge augers can be extended by coupling an extension rod. In this way samplings can be carried out in a very short time and greater depths can be reached.

The gouge augers are delivered in various standards sets:

- ❑ One set with a bayonet connection (art. no.: 04.02.SA) and gouge augers with various lengths and diameters, extension accessories and a strong carrying bag for transport in the field.
- ❑ The same set with conical screw thread connection (art. no.: 04.02.SB).
- ❑ A set with conical screw thread connection for sampling more solid layers of soil with gouge auger, Edelman auger, extension rods, hammer with nylon heads (impact absorbing design), push-/pull handles, various accessories and a strong carrying bag for transport in the field (art. no.: 04.02.SC).



Bi-partite gouge auger set (SA)