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Single gouge auger - hard soils

04.01.03.30.V



The single gouge auger is used to take samples in hard soils. This gouge auger takes samples to a depth of 1 metre and a diameter of 3 cm.

- Drilling up to 1 metre depth
- Non-toxic high tensile steel
- Perfect for quick soil preparation
- Push, turn, pull; that's it!

Description

The single gouge auger was developed for sampling in hard soil layers. This gouge auger is made from high-quality steel with high tensile strength. Would you like to take a quick soil sample? The gouge auger has a weighted auger body and an impact head. The single gouge auger for hard soils is also available in a complete gouge auger set.

Applications

- Soil sampling above and below groundwater table
- Archaeological soil research
- Environmental soil research

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

Specifications

Single gouge auger - hard soils

Maximum sampling depth	1 m
Sample diameter	25 mm
Sample specification	Semi-disturbed
Sample length	100 cm
Product material	Steel, other material

Single gouge auger - soft soils

04.01.01.30.N



The single gouge auger for soft soils is used for sampling to a depth of 50 cm. The gouge auger supplies undisturbed samples and is suitable for various types of profile research.

- Up to a depth of 50 centimetres
- Perfect for rapid soil profiling
- Non toxic high tensile strength steel
- Push, twist, pull; that's it!

Description

The single gouge auger is for taking samples in soft soils. This gouge auger has a length of 50 cm and supplies virtually undisturbed samples. This gouge auger is made from high-quality non-toxic steel and has a very high tensile strength. The auger is pre-eminently suitable for quick soil sampling.

Applications

- Soil sampling above and below groundwater table
- Archaeological soil research
- Environmental soil research

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 fertilisation research
- Clay distribution research
- Paleontological research

Specifications

Single gouge auger - soft soils	
Maximum sampling depth	50 cm
Sample diameter	30 mm
Sample specification	Semi-disturbed
Sample length	50 cm
Product material	Steel, other material

Percussion gouge bottom part - 1 m



Percussion gouge are ideal for soils containing rubble and/or stones and are therefore extremely suitable for urban and industrial areas. The bottom part of the percussion gouge is fitted with an RD32 connection and a hardened cutting head.

- Different variants with a length of 1 metre
- For harder soils
- With hardened cutting head
- Practically undisturbed samples

Description

Royal Eijkelpkamp's percussion gouge augers can carry out soil sampling in harder soils or in top layers containing rubble or stones, for example in urban areas. With percussion drilling the gouge is driven into the ground with a percussion hammer. The lower part of this percussion gouge is fitted with a hardened cutting head. Samples that have been gouged with a percussion gouge suffer little damage. The lower part of the percussion gouge has a length of 1 metre and has an RD32 connection. With this connection the percussion gouges and extension rods are screwed together using a coupling sleeve. The RD32-connection is used in firmer, drier soils.

The percussion gouge augers lower part is available in several variants:

04.19.20.02 percussion gouge augers, RD32, combi, 100 cm, Ø 100 mm

04.19.20.03 percussion gouge augers, RD32, combination, 100 cm, Ø 75 mm

04.19.20.04 percussion gouge augers, RD32, combination, 100 cm, Ø 60 mm

04.19.20.05 percussion gouge augers, RD32, combination, 100 cm, Ø 50 mm

04.19.20.06 percussion gouge augers, RD32, combination, 100 cm, Ø 40 mm

Gouge auger, bottom

Royal Eijkelpkamp has gouge auger bottom parts in various types and sizes and with different types of connections.

- Many different variants
- Hand-forged from high-quality hardened steel
- Ideal for profile research and sampling

Description

Royal Eijkelpkamp's gouge augers are of high quality and hand-forged. They are made of non-toxic steel with a high tensile strength. Gouge augers are ideal for carrying out profile research and sampling. There are gouge augers that are suitable for soft soils or gouge augers that are extra weighted to take a sample in harder soils.

Applications

- Soil sampling above and below the groundwater level
- Archaeological soil research
- Environmental soil research

Due to the minimal disturbance of the sample, the gouge auger is often applied in profile research for:

- Soil mapping
- Soil suitability research
- Educational purposes
- Rootage research
- Soil sampling for fertilisation research
- Clay Dispersion Research
- Paleontological research

Available bottom parts

- 04.02.01.30.B Gouge bayonet connection 50 cm, Ø 30 mm
- 04.02.03.30.B Gouge bayonet connection 100 cm, Ø 30 mm
- 04.02.03.30.C Gouge, conical thread 100 cm, Ø 30 mm
- 04.02.05.30.C Gouge, conical thread 100 cm, Ø 30 mm, weighted
- 04.02.03.40.B Gouge bayonet connection 100 cm, Ø 40 mm

Auger arable land - 25 cm

04.06.01



The Auger arable land is used for sampling the upper layers of cultivated land. The auger has a diameter of 13 mm and an operational length of 25 cm.

- Maximum sampling depth 25 cm
- Extremely narrow auger bodies; little friction
- Non-toxic steel (not galvanised)
- For medium-hard to hard soils

Description

The Auger arable land is suitable for taking samples in the upper layer of the soil. This type of auger has an almost half cylindrical auger body with parallel cutting edges running from top to bottom. The auger has a 13-mm diameter and an operational length of 25 cm. Total length of the auger is 58 cm. The fully galvanised agricultural auger is also available in [a set](#). This set also contains a mineral gouge auger and two thumb spatulas.

The auger is used to take samples from the soil with a length of 25 cm. By taking 40 samples, a mixed sample of approximately 2 kg is obtained. If well distributed over a plot, this gives a reliable indication of the soil composition.

Specifications

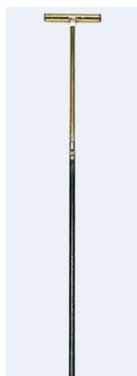
Auger arable land - 25 cm	
Diameter	13 mm
Maximum sampling depth	25 cm
Total length	58 cm
Product material	Steel, other material

Auger arable land - 25 cm

Sample specification

Semi-disturbed

Mineral gouge auger



The mineral auger is used to take samples from the top layer to a depth of 30 or 60 cm.

- Maximum sampling depth 30/60 cm
- For medium hard to hard soils
- Extremely narrow auger bodies; low friction
- Non-toxic steel (not galvanised)
- Two variants

Description

The mineral drill is for taking samples in the top layer to a depth of 30 or 60 cm. The augers have an almost half-cylindrical auger body, with parallel cutting edges running from top to bottom. the auger has a diameter of 13 mm and a total length of 110 cm. The operational length depends on the variant you choose. We have a 60-cm version and a 30-cm version.

The mineral drill is also available in a set. This set also includes a Auger arable land and two thumb spatulas.

Available variations

- **04.06.06** Mineral drill, 60 cm operational length
- **04.06.07** Mineral drill bit, 30 cm operational length

Specifications

Mineral gouge auger

Diameter

13 mm

Maximum sampling depth

30 or 60 cm

Mineral gouge auger

Total length	110 cm
Product material	Steel, other material
Sample specification	Semi-disturbed

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