

Equipamentos para: Solo – Cimento – Concreto – Betume – Agregados – Metalografia – Areia de Fundação – Refratários
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Ergonomic drilling set

The execution of soil drilling by field workers is generally considered a physically tiresome job. To diminish the physical strain and with it the risk of physical complaints, Eijkelkamp Agrisearch Equipment has developed, in corporation with industrial designers Bakker & Elkhuizen Ergonomie, an ergonomic soil drilling system. This ergonomic drilling system differs positively from the traditional hand auger in a number of ways:

The ergonomic hand auger set for heterogeneous soils is used for the execution of drillings and sampling in an ergonomic way in a great variety of soils, for the sake of scientific investigation of soils (profile description, geology, archaeology) and sampling for o.a. environmental investigation.

Drillings can be done up to a depth of meters, depending on the ground water level, the type of soil and the nature of the material to be drilled. For each type of soil, either above or under ground water level, exists a type of auger appropriate for that specific situation. During drilling the types of auger can be changed without any problem.

The advantages of the ergonomic auger set are, o.a.:

1. Ratchet system allows for the auger to be turned by small strokes
2. Considerably more drilling power because of the longer strike arm of the top part
3. Better working position by double height adjustment
4. Working too near the ground is impossible because of the end-of-run button
5. Because of the ratchet principle, together with heavy round balls on the toppart, more stroke strength and an adjustable drilling height, there is considerably less work strain on the hand, pulse, elbow and shoulder joints.

Applications:

- Profile description
- Chemical soil investigations
- Archaeological soil investigations
- Environmental soil investigations
- Monitoring well pipe installations
- Making a borehole
- Soil classification
- Seismic soil investigations

Characteristics:

Maximum sampling depth : 5 m

Sample length : 10 cm

Auger diameter : 7 cm (more or less is possible)

Other : Appropriate for all types of soil. Appropriate for use above and under ground water level.