

Soil sampling devices



Groove sampler

231100 for heavy soils

231200 for light soils

The groove sampler for heavy soils is made of a special steel alloy, solid rod, diameter 22 mm, optionally with tip end reduced to 20 mm for tensiometer application, groove diameter 12 mm, groove height 1000 mm.

The groove sampler for light soils differs from that for heavy soils only by the fact that it has a tube of 30 mm diameter and a groove with 22 mm diameter.

Available accessories:

- Scewable head (40 mm diameter)
- Steel gag (16 mm diameter, chromated, with PVC handle)
- Chromated extensions (1000 mm)

The shaft can be extended by screwed lengths to max. 4 m.

Boring set for N(min) – determination

232100 one-piece bore set

232200 one-piece bore set

232300 one-piece bore set



The one-piece bore set with handle and head is suitable for boring to the depth of 0 ... 30 cm, the two-piece set with handle and head is for down to 0 ... 30/60 cm, and the three-piece set with handle and head is for down to 0 ... 30/60/90 cm.

	One-piece set		Two-piece set		Three-piece set	
Weight	ca. 4,0 kg		ca. 6,7 kg		ca. 10,0 kg	
	Diameter	Diameter	Diameter	Diameter	Diameter	Diameter
	inside	outside	inside	outside	inside	outside
Spoon (bore depth 0 ... 30 cm)	30 mm	38 mm	30 mm	38 mm	30 mm	38 mm
Spoon (bore depth 30 ... 60 cm)			25 mm	33 mm	25 mm	33 mm
Spoon (bore depth 60 ... 90 cm)					20 mm	28 mm
Boring rods, diam. 22 mm (bore depth 0 ... 30 cm)	500 mm long		500 mm long		500 mm long	
Boring rods, diam. 22 mm (bore depth 30 ... 60 cm)			750 mm long		750 mm long	
Boring rods, diam. 22 mm (bore depth 60 ... 90 cm)					900 mm long	

Bohrersätze für N(min) – Bestimmung

233100 Hand auger set for heterogeneous soils

233200 Bi-partite gouge auger set

Hand auger set for heterogeneous soils, bi-partite gouge auger set and auger set for heterogeneous soils made of high grade non-toxic steel.

Various auger types:

- Edelman auger for clay, for sand, for coarse sand and a Combination type
- Riverside auger for hard stiff soils, mixed with fine gravel
- Stony soil auger for soil with a large gravel content
- Spiral auger for penetrating hard layer , etc.

1m extension rods with bayonet connection or conical screw thread connection

Bi-partite gouge auger set

- Gouge auger Ø 20 mm
- Gouge auger Ø 30 mm
- Gouge auger Ø 60 mm

1m extension rods with bayonet connection or conical screw thread connection, push-/pull handles, hammer.

Root auger

234100

Root auger



Root auger for forest soils

standard:

- material 1.4301 (V2A)
- diameter 80 mm,
- length 600 mm

Drill construction consisting of two half shells with circulating sleeve fitting and clamping flange, Screwable hammering head (M60x5) with toggle and pulling handles, hammer polyamide (3 kg)

Geometrical dimensions are changeable .

Soil sample ring kit

235000 Soil sample ring kit

The samples can be taken on the surface, in bore holes or in profile pits till 2m depth.



Soil sample rings in a case with 24 rings à 100 ccm or with 10 rings à 250 ccm.



Closed and open ringholder .



Hammering head with guide cylinder.



Sample rings Ø 53, 60 (standard) and 84 mm spezial dimension on request.