# Manual Soil Auger Set

LT-S0145 | Soil exploration and disturbed sample collection

Three auger diameters • T-handle • Extension system • Manual operation



**80 / 100 / 150**

**AUGER HEAD DIAMETERS • mm**

**1 m + 1 m**

**T-HANDLE + EXTENSION ROD**

Shallow exploration • Strata observation • Disturbed sampling

LT-S0145

# Photographs and Set Components

T-handle, extension rod and three different auger heads

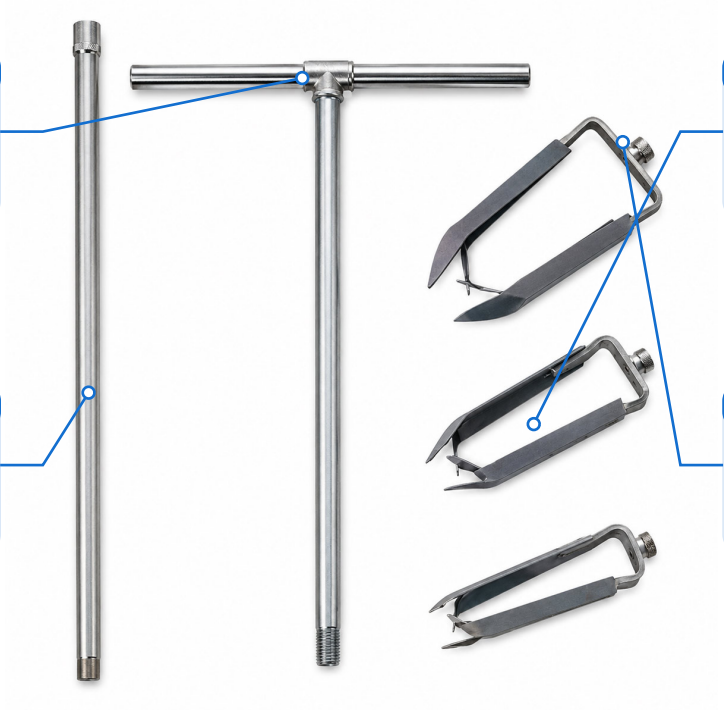
The Manual Soil Auger Set supports shallow field exploration and disturbed sampling at different depths. Turning the T-handle advances the auger head; soil collected inside the head is brought to the surface for inspection and sampling.

**T-HANDLE**

The 1 metre T-handle transfers manual rotational force to the auger head.

**EXTENSION ROD**

The supplied 1 metre extension rod allows the working arrangement to be extended.



**AUGER HEADS**

Ø80, Ø100 and Ø150 mm options suit different soils and sample requirements.

**CONNECTION ARRANGEMENT**

Connect the head, handle and extension using the matching connections.



**T-handle and connection area**



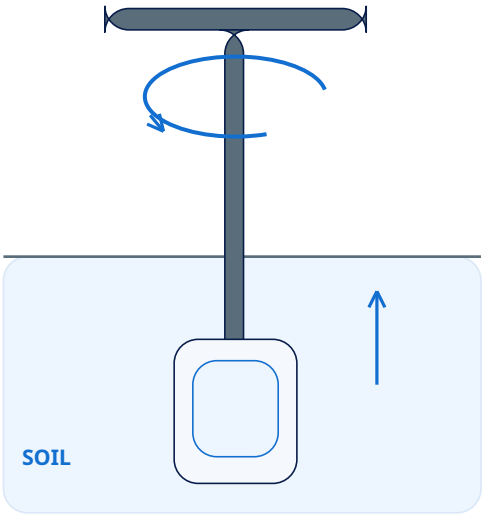
**Three auger head diameter options**

LT-S0145

# Soil Sampling by Manual Rotation

Select head • Rotate and advance • Retrieve • Record depth and sample

T-HANDLE + EXTENSION + AUGER HEAD




MANUAL ROTATION AND STAGED ADVANCEMENT

SAMPLE TYPE: DISTURBED SOIL

Link recovered material to its sampling depth

Inspect soil strata and specimen characteristics

REPRESENTATIVE MANUAL AUGER SAMPLING DIAGRAM • NOT TO SCALE

### Select Head and Assembly

Choose diameter for soil conditions and required sample quantity; prepare connections.

### Rotate and Advance

Turn the T-handle manually. Advance in stages as soil collects in the auger head.

### Retrieve and Record

Bring the head to the surface. Transfer soil to a suitable container and record depth.

Rotation advances the auger head into the ground and collects soil. Retrieve the head to inspect the material and collect a specimen. The method produces disturbed samples, which are evaluated with depth records for strata observation and classification work.

## Head Diameter and Soil Conditions

The set includes Ø80, Ø100 and Ø150 mm heads. Select diameter according to soil conditions and required sample quantity. Density, coarse-particle content and moisture influence ease of advancement.

Link every sample to its collection depth and location. Record observed colour, grading and strata changes; keep material from different levels separately identified.

## Handle, Extension and Working Depth

The standard set includes a 1 metre T-handle and a 1 metre extension rod. A suitable extension arrangement and soil conditions allow operation to depths of approximately 5 metres.

Determine extension requirements for the target depth before work. The system operates entirely manually without electricity, fuel, hydraulics or compressed air.

LT-S0145

# Technical Specifications and Set Contents

LT-S0145 | Manual soil exploration and sample collection

| Parameter / Component | Description / Specification |
|---|---|
| **Product Code** | LT-S0145 |
| **Auger Head Diameters** | Ø80 / Ø100 / Ø150 mm |
| **T-Type Operating Handle** | 1 metre |
| **Supplied Extension Rod** | 1 metre |
| **Working Depth** | Up to approx. 5 m with suitable extensions and soil |
| **Sample Type** | Disturbed soil sample |
| **Application** | Shallow soil exploration • Strata observation |
| **Operation** | Entirely manual |
| **External Dimensions** | 110 × 20 × 20 cm |
| **Approximate Set Weight** | 5 kg |

### Keep Depth, Head Selection and Sample Records Together

Record head diameter, extension arrangement and sampling depth. Match target depth to soil conditions and available extensions; label samples with location information.

## Manual Auger Sampling Workflow

**01**
**Select**
Choose a head diameter suited to the soil.

**02**
**Advance**
Turn the T-handle to advance the auger.

**03**
**Collect**
Retrieve the head and collect the soil.

**04**
**Record**
Label depth and observed strata information.

**Product Page | liyatest.com.tr/en/urun/manual-soil-auger-set/**