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AMS TECHNICAL DATA SHEET

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PRODUCT:

AMS BASIC SOIL AUGER KITS

DESCRIPTION:

Hand auger kit includes a Standard type Regular, Mud and Sand Auger plus an AMS Core Sampler with Slide Hammer. Included accessories are three, 4 foot (1.2m) extensions, rubber coated cross handle, slip wrench, cleaning brush and 2 Crescent wrenches all contained in an AMS Deluxe storage and transport case. Two sizes of kit are available, 3 1/4 inch (8.3 cm) augers with 2 inch (5.1 cm) Core Sampler or 2 1/4 inch (5.7 cm) augers with 1 1/2 inch (3.8 cm) Core Sampler. Quick Connect is not available with this kit. The force of the Slide Hammer can shear off the connector pin.

APPLICATION:

Use the augers for accessing the sampling point at depths of up to about 12 feet (3.6m) with the supplied extensions and cross handle. Then collect an undisturbed soil sample using the AMS Core Sampler, extensions and AMS Slide Hammer. The sample is collected within a removable retaining cylinder (liner). Plastic end caps are included.

FEATURES:

AMS soil augers are designed to rapidly remove soils of all types, using the specially designed bits on the Regular, Mud and Sand models. The Auger tips are tungsten carbide hard surfaced and heat treated before sharpening. The Core Sampler features a heat treated coring tip on the cylinder and a threaded end cap. All attachment couplings are 5/8 inch NC threaded.

BENEFITS:

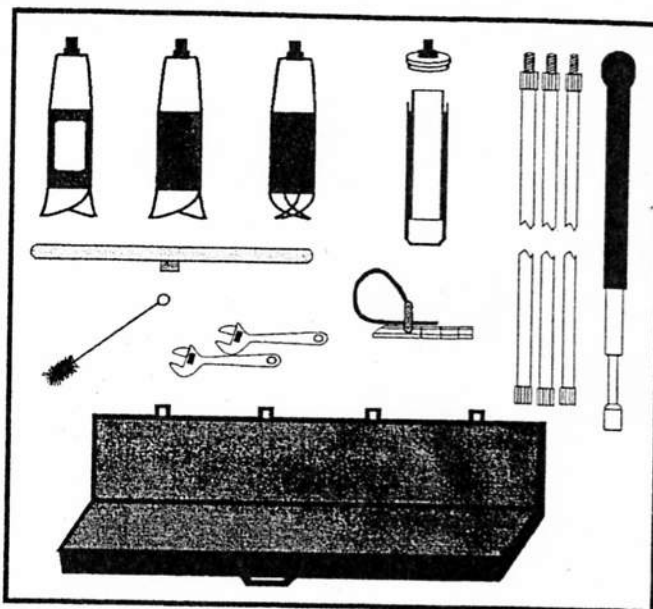
Convenience, all the items necessary for accessing a soil sampling point and then taking a sample are supplied in these kits. AMS soil augers are the most efficient available in terms of effort required and speed. The AMS Core Sampler is the industry standard for basic undisturbed soil sampling. The rugged AMS Deluxe transport case is water resistant and made from glass filled plastic for long life.

USE:

Assemble the chosen soil auger with an extension and cross handle. Place at the desired angle on the soil surface and turn for 3 revolutions, or until full. Lift carefully from the hole and empty through the bail by tapping the cross handle on the ground. Repeat until the sampling depth is reached. Assemble the Core Sampler to an extension(s) and the Slide Hammer. Place in the hole and mark the extension 6 inches (5.1cm) above the soil surface. Use the Slide Hammer to drive in the sampler to the mark and then carefully remove. Disassemble, remove the liner and place a cap on each end.

HELPFUL HINTS:

Use Teflon® tape or plumber's wick on 5/8 inch male threads used with a Slide Hammer to help the threads stay tight. Keep all fittings and samplers clean, dry and free of dirt or mud. You can clean tools with warm soapy water. Always dry to prevent rusting. Use a wire brush on the male threads. Use vegetable oil on tools to prevent fittings locking up and rusting. When using augers, use rubber O-rings on male 5/8 inch thread to help take apart.



SPECIFICATION:

AMS Basic Soil Auger Kits are manufactured by AMS from all USA made materials. See separate AMS Technical Data Sheets for details on the Regular, Mud and Sand Soil Augers, Core Sampler, Extensions, Cross Handle, Slide Hammer and Liners. Crescent wrenches are made from forged steel, chrome plated. The cleaning brush is made with nylon bristles and a twisted wire handle. The AMS Deluxe Case is molded from glass reinforced plastic with a lid gasket and lockable hasps.

The Kits comprise the following items:

| | 3 1/4" Kit | | 2 1/4" Kit | |
|-------------------------------|--------------|--------|--------------|--------|
| | Order Number | Price | Order Number | Price |
| Components | | | | |
| Size | Order | | Size | Order |
| 1-Regular Auger | 3 1/4" | 400.06 | 2 1/4" | 400.08 |
| 1-Mud Auger | 3 1/4" | 400.18 | 2 1/4" | 400.20 |
| 1-Sand Auger | 3 1/4" | 400.40 | 2 1/4" | 400.42 |
| 1-Cross Handle | | 406.40 | | 406.04 |
| 3-Thread. Extensions | 4' | 408.03 | 4' | 408.03 |
| 1-Core Sampler w/Slide Hammer | 2" x 6" | 404.05 | 1 1/2" x 6" | 404.39 |
| 1-AMS Nylon Brush | 2" | 430.07 | 1 1/2" | 430.11 |
| 2-Crescent Wrenches | | 421.10 | | 421.10 |
| 1-Slip Wrench | | 421.23 | | 421.23 |
| 1-AMS Deluxe Case | | 430.01 | | 430.01 |

ANCILLARY ITEMS:

AMS Extensions, Liners, End Caps, End Cap Inserts, Teflon® Film, Sieves, Soil Color Charts, Sample Containers