



Environmental Soil Sampling Kit Deluxe

Technical Data Sheet • page 1 of 1

DESCRIPTION:

Hand auger kit includes a Stainless Steel Regular, Mud and Sand Auger plus an AMS Split core Sampler* with slide hammer. Included accessories are three 4 foot (1.2m) stainless extensions, cross handles, cleaning brush, 2 crescent wrenches and slip wrench 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) Split Core Sampler and 2 1/4 inch (5.7 cm) augers with 1 3/8 inch (3.5 cm) Split Core Sampler. Quick connect is not available with this kit.

APPLICATION:

Use of the augers for accessing the sampling point at depths of up to about 12 feet (3.6 m) with the supplied extensions and AMS slide hammer. The sample may be 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 augers are all stainless steel construction with bits heat treated before sharpening. The split core sampler features a heat threaded 400 series coring tip threaded to a 300 series split body and threaded end cap. The sampler may be used with or without a retaining cylinder. All attachment coupling are 5/8 inch NC threaded.

BENEFITS

For your convenience, all the items necessary for accessing a sampling point and then taking a sample are included. AMS soil bucket are the most efficient available in terms of effort required and speed. The AMS Split Core Sampler allows immediate core examination or a sample may be collected with a retaining cylinder. The rugged AMS Deluxe transport case is water resistant. All of the sampling equipment, except for the Slide Hammer, may be acid bath cleaned.

USE:

Assemble the chosen soil auger with an extension and cross handle. Place at the desired angle on the soil surface and turn three revolutions, or until full. Lift carefully from the hole and empty from the bail by tapping the cross handle on the ground. Repeat until the sampling depth is reached. Assemble core sampler to an extension(s) and slide hammer. Place in the hole and mark the extension six inches (5.1 m) above the soil surface. Use the slide hammer to drive in the the sampler to the mark and carefully remove. Disassemble, remove the liner and place the cap on each end.

HELPFUL HINTS:

Use Fluoropolymer tape or plumbers wick on 5/8 inch male threads used with Slide Hammer to help threads stay tight. Keep all fittings and samplers clean, dry and free of dirt or mud. You can clean tooling with soapy water. Always dry to prevent rusting. Use a wire brush on 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.

SPECIFICATIONS:

AMS Environmental Soil Auger Kits are manufactured by AMS

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

COMPLETE KIT IS COMPRISED OF THE FOLLOWING ITEMS

3 1/4" KIT ITEM	SIZE	PART #
1- S/S Regular Auger	3 1/4"	417.06
1- S/S Mud Auger	3 1/4"	418.06
1- S/S Sand Auger	3 1/4"	420.06
1- S/S Cross Handle		409.11
3- S/S Thrd. Extensions	4'	409.09
1- S/S Split Core Sampler*	2' x 6'	403.40
* w/slip wrench, liner & caps		
1- Slide Hammer		400.99
1- AMS Stainless Brush	2"	430.17
2- Crescent Wrenches		421.10
1- AMS Deluxe Case		430.01
25 Plastic Liners	1 3/8" x 6"	406.56
50 Plastic End Caps	1 3/8	418.11
50 Fluoropolymer Swatches	.0003" x 4"	418.17
1 #2 AMS Stainless Steel Scoop		428.02

2 1/4" KIT ITEM	SIZE	PART#
1- S/S Regular Auger	2 1/4"	417.04
1- S/S Mud Auger	2 1/4"	418.04
1- S/S Sand Auger	2 1/4"	420.04
1- S/S Cross Handle		409.11
3- S/S Thrd. Extensions	4'	409.09
1- S/S Split Core Sampler* 1 3/8" x 6	403.591	
* w/slip wrench, liner & caps		
1- Slide Hammer		400.99
1- AMS Stainless Brush	1 1/2"	430.21
2- Crescent Wrenches		421.10
1- AMS Deluxe Case		430.01
25 Plastic Liners	1 3/8" x 6"	406.56
50 Plastic End Caps	1 3/8	418.11
50 Fluoropolymer Swatches	.0003" x 4"	418.17
1 #2 AMS Stainless Steel Scoop		428.02
* Patent Pending, USA & Foreign		

ANCILLARY ITEMS:

AMS Extensions, Liners, End Caps, End Cap Inserts, Fluoropolymer Film, Sieves, Soil Color Charts, and Sample Containers.

