



Gas Powered Core Sampling Kit

INTRODUCTION

Thank you for choosing AMS, Inc.

The Gas Powered Core Sampling Kit with the Gas Powered REDI Boss Hammer is ideal for obtaining core samples up to a depth of 8ft (2.4 m).

APPLICATION

- Collect core samples to determine soil health.
- Minimal soil compaction.

DESCRIPTION

There are multiple methods available for collecting core samples using this kit. Firstly, you have the option to use the 4 ft. Gas Powered Slotted Sampler Tube independently. The slotted sampler tube is to be used without a plastic liner to retrieve a complete core sample up to 4 ft. Once you have obtained your sample, simply utilize the Cleanout Spoon to remove the core sample from the sampler.

Additionally, if you need to keep your sample contained inside a plastic liner, the Gas Powered Lower and Upper Extensions provide you with the flexibility to create either a 2 ft. or 4 ft. sampler. It is important to use the retainer coupler to securely hold your liner in place with the "lead sampler" when using these extensions. As you assemble the extensions, you will notice two parallel knurl marks on each of the four extensions. To create a 2 ft. sampler, position the knurl marks at the top of the lower extension. For a 4 ft. sampler, align the knurl marks on both the lower and upper extension to meet at the connection point in the middle of the sampler. By properly connecting your extensions using these knurl marks, you can ensure precise timing of your liner, minimizing any movement of the liner inside the sampler.

For instance, if you are aiming for a 4 ft. sample but prefer it to be taken in 2 ft. intervals, here's what you need to do. Drive the 2 ft. lower extension to the desired depth with a 2 ft. liner. Then, remove the drive head adapter, retainer coupler, and liner. After removing the liner, insert a new 2 ft. liner into the lower extension, connect the retainer coupler, additional 2 ft. upper extension, and drive head adapter. Remember, when creating a 4 ft. sampler, it is crucial that the two parallel knurl marks on each extension align at the connection point in the middle of your sampler with the retainer coupler and drive head adapter positioned at the top of the upper extension.

Once you have successfully driven your sampler to the desired depth, the Big Foot Removal Jack provides a convenient and ergonomic solution for retrieving your sampler. Simply attach the pull cap to your sampler, position the jack underneath the pull cap, and then operate the jack to remove your sampler. It is worth noting that if the soil at the surface is soft, it is beneficial to provide additional stability underneath the footplate of the jack to prevent it from sinking.

IMPORTANT NOTE

- Stronger sample rods compared to typical hand sampling soil probes
- Ideal for taking 2 ft. & 4 ft. length continuous core samples by hand
- Designed from our AMS PowerProbe tooling design
- Solution for low overhead and remote access areas
- Can be used with or without a plastic liner
- No Power Necessary



SKU: 360.01

KIT WEIGHT: 213 lbs

SPECIFICATIONS

- Heat Treated 4130 Steel

Agricultural
Geotechnical
Environmental
Groundwater

105 Harrison St.
American Falls, ID 83211
Toll Free: 800.635.7330
Office: 208.226.2017
ams@ams-samplers.com

facebook.com/amssampling
instagram.com/amslnc/
linkedin.com/company/ams-inc/
youtube.com/@amssamplersusa
ams-samplers.com

KIT INCLUDES

- #61453 - (1) 4' Gas Powered Slotted Sampler Tube
- #61448 - (2) Gas Powered Lower Extension
- #61451 - (2) Gas Powered Upper Extension
- #61450 - (1) Gas Powered Drive Tip
- #62470 - (1) Gas Powered Clay Drive Tip
- #61642 - (1) Gas Powered Liner Retainer Coupler
- #61449 - (1) Gas Powered Drive Head Adapter
- #18253 - (1) Big Foot Removal Jack
- #63335 - (1) 2" Gas Powered Pull Cap for Big Foot Removal Jack
- #14327 - (2) 14" Pipe Wrench
- #57875 - (1) Cleanout Spoon
- #5006.84 - (1) Steel Tee Handle, 3/8" Thread
- #5618.118 - (1) 3/8" X 3' Internal Rod w/ Coupler, 3/8" Thread
- #5009.20 - (1) 4' Rod for Accessories, 3/8" Thread
- #5009.09 - (1) 2-1/8" or 2-3/8" Direct Push Extension Brush, 3/8" Thread
- #405.41 - (1) 1-1/2" X 4' Plastic Liner
- #405.40 - (1) 1-1/2" X 2' Plastic Liner
- #61876 - (1) 1-1/2" Plastic Core Catcher
- #418.08 - (4) 1-1/2" Plastic End Cap
- #213.93 - (1) Gas Powered REDI Boss Hammer w/ 3-1/8" Barrel
- #213.95 - (1) Gas Powered REDI Boss Carrying Case
- #430.25 - (1) 3' Deluxe Carrying Case 1700 Black
- #430.01 - (1) 4' Deluxe Carrying Case 1750 Black

GAS POWERED HAMMER SPECS

- BPM - 1720
- Joules - 26
- KW - 1.19 (1.6HP) at 7,000 rpm
- 4-stroke, overhead cam
- Trigger throttle with integrated stop button
- Spring isolated hand grips
- Fuel consumption 0.71 L/h at 7,000 rpm
- Meets strictest worldwide emission and noise req.
- Starting system recoil (pull start)
- Weight 35 lbs.
- Noise Level - >100dB hearing protection required

ACCESSORIES

- #213.96 - (1) Cobra PRO Gas Breaker 1-1/4 X 6" Shank
- #213.97 - (1) Hammer Anvil Cobra Pro 1/4 X 6"
- #61431 - (1) Foot Jack
- #61568 - (1) 2" Foot Jack Shackles (1 Set)
- #64049 - (1) 2" Gas Powered Leaf Puller
- #24389 - (1) JackJaw® 534 (1-3/4" to 2-1/4")
- #5006.423 - (1) 1-1/2" X 2' PVC Liner (Case of 96)
- #5006.425 - (1) 1-1/2" X 4' PVC Liner (Case of 48)

