



Equipping the World
to Sample the Earth

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105 Harrison St.
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GAS POWERED CORE SAMPLING KIT

Part# 360.01

DESCRIPTION

Sampling Equipment

PowerProbe

Well Management

Pest Control

- The AMS Gas Powered Core Sampling Kit with gasoline powered Gas Powered REDI Boss Hammer is ideal for obtaining core samples to a depth of 8ft. (2.4m). The complete set contains: Gas Powered REDI Boss Hammer, (1) 4ft. Deluxe AMS Carrying Case, (1) 3ft. Deluxe AMS Carrying Case, GP Slotted Sampler Tube 4ft., (2) GP Upper Extensions 2ft., (2) GP Lower Extensions 2ft., GP Drive Head Adapter, (2) 12in. Pipe Wrenches, Clean Out Spoon, GP Drive Tip, GP Liner Retainer Coupler, AMS Foot Jack, 2in. Foot Jack Shackles (1 Set of 2), 1-1/2in. Core Catcher, Cleaning rods with brushes & T-handle, (4) plastic end caps, (1) plastic liner 1.5in. x 4ft & (1) plastic liner 1.5in. x 2ft.



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GAS POWERED CORE SAMPLING KIT USE

• The AMS Gas Powered Core Sampling Kit sampler tubes have male/female (modified acme) heat treated threads. The 4ft. sampler tube found in this kit has a 4ft. sample slot milled in the side of it which allows it to be run with or without a plastic tube. If a sample is collected in this sample tube without a plastic liner, the AMS Cleanout Tool may be used to eject to the core sample from the slot. Also included in the kit are (2) lower & (2) upper 2ft. sampler tubes. These sampler tubes give you the option of creating a 2ft. or 4ft. sampler. Upon assembly, you will notice two parallel knurl marks on each of the (4) sampler tubes. When creating a 2ft. sampler, these knurl marks should be at the top of the sampler. When creating a 4ft. sampler tube, the knurl marks on both extensions should meet at the connection point in the middle of the sampler. (Please refer to the expanded photo on the TDS). Properly connecting your tubes with these knurl marks in the correct position will ensure the proper timing of your sample liner,

so that there is minimal 'liner float' inside the sampler. Whether you are running a 2ft. sampler or a 4ft. sampler, there will be times when you need to lower the sampler in an existing borehole in order to collect a core from a deeper interval. This is when you will use the liner retainer coupler. The liner retainer coupler holds your liner in place inside the 'lead' sampler and allows you to add an additional sampler extension tube. After driving your sampler to depth, the AMS Foot Jack is an ergonomic and easy way to remove your sampler. Simply slide the 2in. Foot Jack Shackles over the drive head of the sampler and step on the foot pad of the removal jack. The rings will automatically fall lower on the rod and grab each time you press down on the foot pad. Please note that if the soil is soft at the surface, it is beneficial to have additional stability underneath the footplate of the removal jack to keep it from sinking.

BENEFITS

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

KIT COMPONENTS/ REPLACEMENT PARTS:

- Part# 430.01 - AMS Deluxe Carrying Case 1750 Black (4ft.)
- Part# 430.25 - AMS Deluxe Carrying Case 1700 Black (3ft.)
- Part# 213.93 - Gas Powered REDI Boss Hammer
- Part# 418.08 - 1 1/2" Plastic End Cap
- Part# 5006.425 - 1 1/2" x 4' PVC Liner
- Part# 5006.423 - 1 1/2" X 2' PVC Liner
- Part# 61453 - GP Slotted Sampler Tube 4'
- Part# 61451 - GP Upper Sampler Extension
- Part# 61448 - GP Lower Sampler Extension
- Part# 61449 - GP Drive Head Adapter
- Part# 14327 - Pipe Wrench 12"

- Part# 57875 - Clean Out Spoon
- Part# 61450 - GP Drive Tip
- Part# 61642 - GP Liner Retainer Coupler
- Part# 61431 - AMS Foot Jack Only
- Part# 61568 - 2" Foot Jack Shackles (1 Set of 2)
- Part# 61876 - Core Catcher 1-1/2"
- Part# 5006.84 - Steel T-Handle, 3/8" Thread
- Part# 5009.20 - 4' Rod For Accessories 3/8
- Part# 5618.118 - SBS Internal Rod (Part K)
- Part# 5009.09 - Brush For 2 1/8" or 2 3/8" DP Extensions

MATERIAL CONSTRUCTION

- Heat Treated 4130 Steel

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FOOT JACK ASSEMBLY INSTRUCTIONS

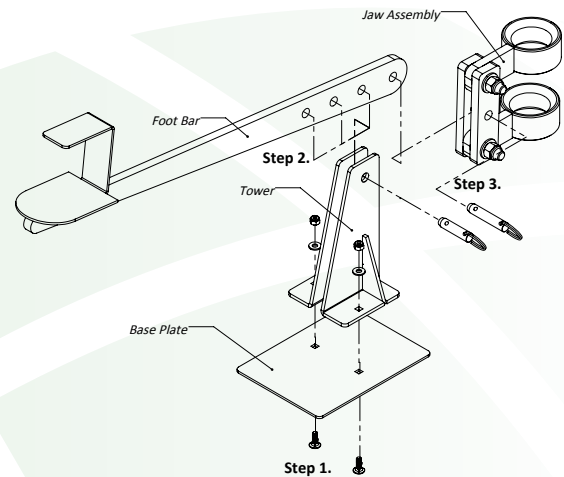
Step 1. Attach Base Plate to Tower of Foot Jack. Use provided bolts and nuts to secure.

Step 2. Aline desired hole on Foot Bar with Tower. Insert quick pin thru the Tower and Foot Bar hole.

Note: Additional holes on the Foot Bar allow the user to move the Jaw Assembly closer or, further away from the Base Plate. These holes also provide different amounts of torque on the tooling when removing from the ground.

Step 3. Aline Jaw Assembly hole with designated Foot Bar hole. Insert quick pin to secure the Jaw Assembly to the Foot Bar.

Note: Different Jaw Assemblies can be interchanged with the Foot Jack base. This is to allow retrieval of different sizes of tooling.



GAS POWERED HAMMER SPECS

- BPM - 1720
- Joules- 26
- KW - 1.0 (1.3HP) 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

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