

# MULTI-STAGE CORE SAMPLER

## T E C H N I C A L   D A T A   S H E E T

### DESCRIPTION:

The AMS Multi-Stage Core Sampler is an all stainless steel modular system for taking long samples of soils, sludge and other semisolid materials. Each sampler section is threaded and 12 inches long, allowing collection of samples up to about 3-4 feet long. Attachable auger and coring tips are also available with the AMS butterfly valves (patent pending). This Sampler is ruggedly built with a 2 3/8 inch O.D. for use with 2 inch retaining cylinders, the AMS Slide Hammer and Extensions.

The AMS Multi-Stage Core Sampler is made from the finest available USA made materials. All stainless steel construction with a 300 series base section, optional 12 inch sections, solid cap and auger tip. The core tip is made from hardened 400 series stainless steel. The solid cap is provided with a 5/8" NC thread for attachment to AMS Extensions or Slide Hammer. Base section has two female threads, 12 inch sections, a male and female thread. Supplied as a kit, individual components and options available include tips with butterfly valves.

### BENEFITS AND FEATURES:

Precision crafted from 300 series stainless steel with a 400 series, heat-treated coring tip. Square thread construction throughout on heavy wall tube. The basic model comprises a 12 inch base section and retaining cylinder, solid cap, auger tip, coring tip and slip wrench. The sampler features expandability by the attachment of additional 12 inch sections to allow collection of samples, up to three or four feet in length.

Easy assembly using the modular components allows the sampler to be used for site specific sampling when composite or segmented samples are required. Reduces sampling time as the samples may be recovered with a single penetration. Optional core and auger tips with butterfly valves allow sampling of semi-liquid materials. Heavy construction facilitates use beneath the water surface. Square thread design enables easy assembly and cleaning.

### USE:

Sampling stratified soils, sludge or waste impoundments may require the collection of several samples. The AMS Multi-Stage Core Sampler allows this to be accomplished with a single penetration. The sampler may be loaded with either a single retaining cylinder for a composite sample or a series of shorter cylinders when segmented samples are required. Construction of this heavy duty sampler enables use beneath the water surface of lakes, rivers and lagoons.

Remove loose debris from the sampling point either manually at the surface or at the bottom of a predrilled hole using an AMS Planer Auger. Assemble the Sampler and attach it to AMS Extensions and/or the AMS Slide Hammer. Hammer in length of the Sampler, carefully remove from the hole. Unscrew the threaded cap and partially remove the retaining cylinder, cap the top end and then remove the cylinder and cap the other end. Clean the inside of the Sampler before using it again.

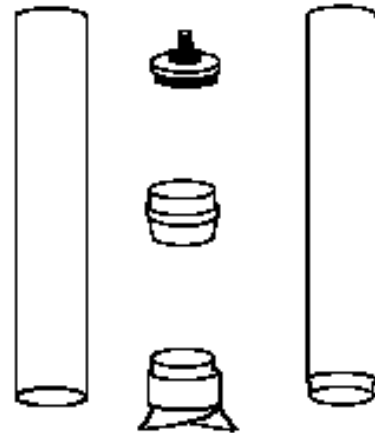
### HELPFUL HINTS:

Use Fluoropolymer tape or plumber's wick on 5/8" 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" thread to help take apart.

### ANCILLARY ITEMS:

AMS Extensions, Slide Hammer, Retaining Cylinders, End Caps, Inserts and Fluoropolymer Swatches.

### Multi-Stage Core Sampler



Part # 403.27



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