

# CORE SAMPLERS

## TECHNICAL DATA SHEET

### DESCRIPTION:

The AMS Core Sampler is available in 4 diameters; 1 1/2 inch, 2 inches, 2 1/2 inches and 3 inches, and lengths from 2 inches to 12 inches in the 2 inch model, 6 inch and 12 inch for the others, Stainless or Standard. The Stainless model comprises a body cup of 300 series stainless with a hardened 400 series core tip and 300 series threaded cap. The Standard model has a carbon steel body cup with heat treated core tip, and carbon steel threaded cap. Both come with a retaining cylinder, two plastic caps and Slide Hammer.

The AMS Core Sampler is made from the finest available USA made materials. The Stainless model is made from 300 series stainless steel, except for the core tip which is hardened 400 series stainless. The Standard model is made from carbon steel with the core tip heat treated for extended durability. Both models are supplied with a retaining cylinder, two plastic end caps and an AMS Slide Hammer. The sizes shown are the retaining cylinder size, the sampler O.D. is 1/4 inch larger than the sizes shown. Stocked sizes include a core cup, threaded cap, retaining cylinder, two plastic end caps and an AMS Slide Hammer. All components are available separately.

### BENEFITS AND FEATURES:

Precision crafted to provide long life. The AMS Core Sampler has a hardened or heat treated core tip that cuts the core sample the same size as the retaining cylinder I.D. These samplers are sized by the diameter of the retaining cylinder, the Core Sampler O.D. will be 1/4 inch larger. The threaded cap on either sampler model may be attached directly to the Slide Hammer, or to AMS threaded extensions.

The simplest core sampler available for retrieving undisturbed samples directly from surface soils or deep sampling points. Easy take apart design with a removable retaining cylinder. Two models, Standard for normal geotechnical testing and the all Stainless Model for sensitive sampling when chemical analysis will be performed and the sampler may require acid bath decontamination. The 2 inch size may be used with the AMS Core Catcher when loose or sandy soils are being sampled.

### USE:

Designed to take virtually undisturbed samples of soils either at the surface or from the bottom of predrilled holes. The AMS Core Sampler is normally used with a retaining cylinder to allow transfer of the undisturbed sample to the laboratory. Plastic end caps and optional Fluoropolymer swatches are used to seal the retaining cylinder ends. Soil samples collected with the AMS Core Sampler may be used for geotechnical testing, chemical or physical analysis.

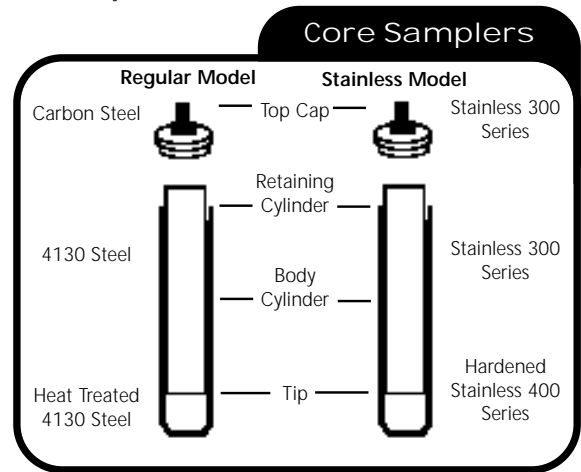
Remove loose debris from the sampling point either manually at the surface or at the bottom of a predrilled hole using an AMS Planer Auger. Assemble the Core Sampler and attach it to AMS Extensions and/or the AMS Slide Hammer. Hammer in the length of the Sampler, carefully remove from the hole. Unscrew the threaded cap from the body cup 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 Core 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, Cross Handles, Retaining Cylinders, Plastic End Caps, Fluoropolymer Swatches, Retaining Cylinder Inserts, Core Catcher for 2 inch size only.



Core Samplers						
Size	Complete with Hammer Regular	Complete with Hammer Regular Stainless	Cap & Cap Regular	Cap & Cap Stainless	Signature Series with Hammer	Signature Series Cap & Cap Only
3" x 6"	404.45	404.65	404.45	404.74		
3 1/2" x 6"	404.44	404.65	404.51	404.73		
2" x 12"	404.30	404.67	404.49	404.75		
3" x 6"	404.85	404.63	404.10	404.71	354.26	354.14
3" x 4"	404.04	404.62	404.09	404.70		
2" x 3"	404.03	404.61	404.08	404.69		
2" x 2"	404.02	404.60	404.07	404.68		
1 1/2" x 12"	403.97	404.57	403.96	404.68		
1 1/2" x 6"	404.19	404.64	404.18	404.72	354.25	354.13



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