

# M U D A U G E R

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

### DESCRIPTION:

AMS Mud Augers are manufactured by AMS from all USA made materials. Bits and bail are continuous welded to a type 300 stainless steel cylinder and smooth finished. Bits are either type 300 stainless steel or hardened high carbon steel with a tungsten carbide outer surface. All bits are sharpened and honed. Hand operated auger head for attachment to an extension and/or cross handle. The bail is formed from carbon or stainless steel stock and fitted with either a 5/8 inch (1.6cm) NC threaded, AMS Quick Spin, AMS Quick Connect or Signature Series coupling. Threaded couplings are made from either carbon or stainless steel, Quick Connect in cast steel only.

### BENEFITS AND FEATURES:

Rugged all welded construction using the finest available American made materials. AMS designed bits cut the access hole 3/8 inch to 3/4 inch (0.95 - 1.90cm) larger than the specified auger diameter. Long open bail and cylinder open sided design with smooth finish edges. Bit, bail and open cylinder design provides rapid drilling and easy emptying of sticky soils. AMS augers have a protective, peelable wax coating on the bits and bail to be removed before use. Smooth finished edges ensure efficient operation and easy cleaning. Specially shaped, sharpened digging bits enable rapid soil penetration by pulling the auger into the soils. The AMS auger cylinder will not catch when used in wet soils or clays, reducing the effort needed. Hardened and/or carbide coated bits provide long life.

### USE:

For drilling access holes in and obtaining disturbed samples from clays and sticky soils in environmental, forestry and agricultural applications. The AMS Mud Augers are commonly used to access the sampling point for an undisturbed core sample. Used also for drilling the hole required for the installation of shallow piezometers, lysimeters and neutron probe access tubes.

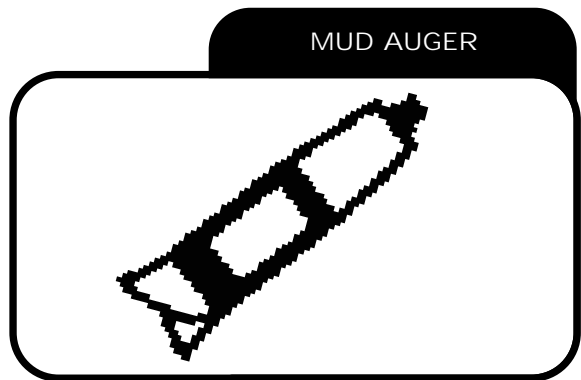
Attach the auger head to a suitable AMS extension and a cross handle. Position the auger on the soil surface at the desired angle. Turn clockwise for about 3 revolutions, or until the cylinder is full. Lift from the hole and empty the cylinder contents through the bail or windows in the cylinder. Carefully replace the auger head in the hole and repeat until the required depth is reached. For sample collection, empty the cylinder into a clean tray, onto a plastic sheet or directly into a sample container.

### HELPFUL HINTS:

Use Fluoropolymer tape or plumber's wick on 5/8 inch male threads used 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 inch thread to help take apart.

### ANCILLARY ITEMS:

Extensions, Cross Handles, Cleaning Brushes



Mud Auger						
Size	Standard Threaded	Standard Quick Connect	Standard Quick Spin	Stainless Threaded	Stainless Quick Connect	Signature Series Connection
7"	400.17	300.17				
6"	400.15	300.15				
5"	400.16	300.16				
4"	400.17	300.17	302.17	418.07	318.07	350.17
3 1/4"	400.18	300.18	302.18	418.06	318.06	350.18
3 3/4"	400.19	300.19	302.19	418.05	318.05	350.19
2 1/4"	400.20	300.20	302.20	418.04	318.04	350.20
2"	400.21	300.21		418.03	318.03	
1 3/4"	400.22	300.22		418.02	318.02	
1 1/2"	400.23	300.23		418.01	318.01	



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