

enviroTECNICS



MASTER CATALOG

Hand Sampling and PowerProbe™





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AMS Cross Handles

Signature Series, Cross Handles

Part #	Length	Item	Weight
351.54	18"	Rubber-Coated Cross Handle	1.1 lb.
351.56	18"	Ratcheting Cross Handle	2.4 lb.

3/4" Threaded, Cross Handles

Part #	Length	Item	Weight
402.31	18"	Rubber-Coated Cross Handle	1.3 lb.
406.87	18"	Ratcheting Cross Handle	2.5 lb.
406.05	22"	Rubber-Coated Cross Handle	1.6 lb.

5/8" Threaded, Cross Handles

Part #	Length	Item	Weight
406.04	18"	Rubber-Coated Cross Handle	1.1 lb.
406.80	18"	Ratcheting Cross Handle	2.1 lb.

Quick Connect, Cross Handles

Part #	Length	Item	Weight
306.06	18"	Rubber-Coated Cross Handle	1.3 lb.
306.07	18"	Ratcheting Cross Handle	2.4 lb.

Hex Quick Pin, Cross Handles

Part #	Length	Item	Weight
58504	18"	Rubber-Coated Cross Handle	1.3 lb.
306.071	18"	Ratcheting Cross Handle	2.4 lb.

AMS 18" and 22" rubber-coated handles are made of chromoly and are coated with textured rubber. The 18" rubber-coated handles are available with signature series, 3/4" threaded, 5/8" threaded, and quick connect connections. 22" models are only available with a 3/4" threaded connection. Ratcheting handles are available with signature series, 3/4" threaded, 5/8" threaded, and quick connect fittings. They are made of durable carbon steel, and have an open-gear mechanism that allows for easy cleaning of the gear and cog. Quick connect ratcheting handles allow for reverse ratcheting.

AMS Connection Types

Helpful Tips for Using Signature Series and Threaded Connections

AMS recommends using non-adhesive fluoropolymer tape and wrench-tightening AMS threaded and signature series connections to help prevent the components from being damaged during heavy use and to minimize wear and tear over time. This also helps prevent threaded components from being difficult to disconnect after use with a slide hammer, hammer-head cross handle, or after hard twisting with a standard cross handle or ratcheting handle.



AMS Signature Series Connections



Signature series components feature a heavier thread than 5/8" threaded connections. They are generally more robust and last longer under heavy use. Signature components can be connected and disconnected with only 2 1/2 turns, and have less risk of galling. Our most popular slide hammers, augers, core samplers, and soil sampling kits are available with signature series connections.

AMS 3/4" & 5/8" Threaded Connections



AMS 5/8" and 3/4" threaded connections use standard, national course, threads. 3/4" are used with the new AMS professional line of augers and samplers. 5/8" connections are the most common and least expensive. Augers, core samplers, probes, slide hammers, hammer-head handles, and kits are available with threaded connections.

AMS Quick Connect Connections



The AMS quick connect button-and-hex coupling system allows components to connect and disconnect faster and with less hassle than threaded or signature series systems. When in use, the torque exerted on the system is placed on the hex – rather than threads – which makes the quick connect connection durable and prevents the components from binding together. Quick connect connections also allow for reverse augering with either a rubber-coated cross handle or ratcheting cross handle. Most augers and some soil sampling kits are available with AMS quick connect connections, but the connections are not compatible with AMS slide hammers or the hammer-head cross handle.

AMS Hex Quick Pin Connections



Hardened steel male/female hex connections that accept standard 3/8" snapper pins or heat treated 3/8" U-clips. The simplicity of the snap pins is unmatched for hand auger applications, while the heat treated 3/8" U-clips will allow you to hammer & reverse hammer your core sampler with confidence. Both of these connections offer easy assembly/disassembly on site & will allow you to accomplish your sampling task quicker & more efficiently.

AMS Extensions

Signature series extensions feature zinc-coated chromoly for added rust resistance. 3/4" threaded connections are made of powder-coated chromoly or chromoly steel. 5/8" threaded and quick connect extensions are either chromoly or stainless steel.

Signature Series Extensions

Part #	Length	Material	Weight
351.00	1'	Plated 4130 chromoly	0.8 lb.
351.01	2'	Plated 4130 chromoly	1.2 lb.
351.02	3'	Plated 4130 chromoly	1.7 lb.
351.03	4'	Plated 4130 chromoly	1.7 lb.
351.04	5'	Plated 4130 chromoly	2.4 lb.



3/4" Threaded Extensions

Part #	Length	Material	Weight
407.01	1'	4130 chromoly	1.0 lb.
407.02	2'	4130 chromoly	1.5 lb.
407.03	3'	4130 chromoly	2.0 lb.
407.04	4'	4130 chromoly	2.5 lb.
407.05	5'	4130 chromoly	3.0 lb.
402.33	3'	Powder Coated 4130	2.0 lb.
402.32	4'	Powder Coated 4130	2.5 lb.



5/8" Threaded Extensions

Part #	Length	Material	Weight
408.00	1'	4130 chromoly	0.8 lb.
408.01	2'	4130 chromoly	1.2 lb.
408.02	3'	4130 chromoly	1.7 lb.
408.03	4'	4130 chromoly	2.3 lb.
408.04	5'	4130 chromoly	2.4 lb.
409.06	1'	SST	0.8 lb.
409.07	2'	SST	1.3 lb.
409.08	3'	SST	1.7 lb.
409.09	4'	SST	2.2 lb.
409.10	5'	SST	2.6 lb.



Quick Connect Extensions

Part #	Length	Material	Weight
309.00	1'	4130 chromoly	1.9 lb.
309.01	2'	4130 chromoly	2.3 lb.
309.02	3'	4130 chromoly	2.7 lb.
309.03	4'	4130 chromoly	3.2 lb.
309.04	5'	4130 chromoly	3.6 lb.
309.06	1'	SST	1.9 lb.
309.07	2'	SST	2.4 lb.
309.08	3'	SST	2.8 lb.
309.09	4'	SST	3.2 lb.
309.10	5'	SST	3.7 lb.



Hex Quick Pin Extensions

Part #	Length	Material	Weight
58509	1'	4130 chromoly	1.9 lb.
58513	2'	4130 chromoly	2.3 lb.
58514	3'	4130 chromoly	2.7 lb.
58505	4'	4130 chromoly	3.2 lb.
58515	5'	4130 chromoly	3.6 lb.



Soil Augers

AMS Soil Augers

Most AMS soil augers are used to collect disturbed soil samples at or near the surface and for boring to depths where samples may be obtained with a soil probe or soil core sampler. They can also be used to bore deeper holes and are generally limited by only the time and muscle of the user. Customers have augered deeper than 100' using AMS soil augers in a variety of soil conditions!

AMS augers are available in all stainless steel for EPA testing, or with heat-treated, high-carbon steel bits with tungsten carbide hard-surfaced edges for general soil sampling and augering.

Standard Features:

- Most models are available with threaded or quick connect connections.
- Augers use a rounded bail for added torque resistance. Reinforced bucket auger options are also available.
- Augers create holes up to 1/4" larger than the cylinder to minimize drag.
- Specially formed bits allow for easy penetration into most soil conditions.
- Most models are available in stainless steel for environmental sampling and easier decontamination.
- Powered options are available.
- Left-handed augers, extensions and cross handles are available.
- Replacement bits and repair services are available.

AMS Bucket Augers

For over 76 years, AMS augers have been the preferred standard for manually creating boreholes and collecting disturbed soil samples. The first AMS auger was created in 1942 for the US Soil Conservation Service. This popular model has since been modified into a variety of regular augers, mud augers, and sand augers.

AMS Bucket Auger Connection Types

Regular, mud, and sand augers are available with either signature series, 3/4" threaded, 5/8" threaded, or quick connect connections. Each connection has advantages for particular users as well as for specific applications.

Ensure the sampling components you intend to use together all have the same connections, and please take into consideration that not all items will be available in every connection type.

AMS Bucket Auger Material Types

AMS bucket augers are available in carbon steel and stainless steel models. Both models use stainless steel cylinders. Carbon steel models feature heat-treated, high-carbon steel bits with tungsten carbide hard-surfaced edges. Stainless steel models use stainless steel bails, cylinders, and bits; they are ideal for environmental sampling and EPA testing. Carbon steel models are available with any of our connection types. Stainless steel models are available with 5/8" threaded and quick connect connections.

AMS Bucket-Style Auger Heads

Regular Auger



The AMS regular auger is used to obtain disturbed soil samples in most soil types at or near the surface and for gaining access to sampling points where soil samples may be obtained with a separate soil sampler. The bits of the regular soil auger are open to allow entry of small soil clumps and relatively small rocks and particles.

Mud Auger



Mud augers utilize a laser-cut, open cylinder design for easy removal of heavy, wet, or clay soils. The AMS mud auger features two openings in the cylinder wall to facilitate emptying as well as widely-spaced bits to ease entry of sticky soils.

Sand Auger



Sand augers use a closed bit design with a restricted opening to prevent the loss of sampled material during retrieval. The inner edges of the sand auger bits touch at their mid point to make the sand auger more reliable in loose, unconsolidated soil conditions.

Hex Quick Pin, Regular Auger



Part #	Diameter	Material	Weight
58516	5"		3.8 lb.
58517	4"		2.9 lb.
58501	3 1/4"		2.4 lb.
58519	2 3/4"		2.0 lb.
58520	2 1/4"		1.8 lb.
58521	2"		1.6 lb.
58522	1 3/4"		1.3 lb.
58523	1 1/2"		1.3 lb.

Hex Quick Pin, Mud Auger



Part #	Diameter	Material	Weight
58524	5"		4.4 lb.
58525	4"		3.6 lb.
58502	3 1/4"		2.6 lb.
58527	2 3/4"		2.3 lb.
58528	2 1/4"		2.0 lb.
58529	2"		1.8 lb.
58530	1 3/4"		1.5 lb.
58531	1 1/2"		1.2 lb.

Hex Quick Pin, Sand Auger



Part #	Diameter	Material	Weight
58532	5"		4.6 lb.
58533	4"		3.8 lb.
58503	3 1/4"		2.9 lb.
58535	2 3/4"		2.4 lb.
58536	2 1/4"		2.0 lb.
58537	2"		1.8 lb.
58538	1 3/4"		1.6 lb.
58539	1 1/2"		1.3 lb.

Regular Auger Connections Continued...

Mud Auger Connections Continued...

Sand Auger Connections Continued...

Signature Series, Regular Auger 

Part #	Diameter	Material	Weight
350.05	4"		3.6 lb.
350.06	3 1/4"		2.6 lb.
350.07	2 3/4"		2.1 lb.
350.08	2 1/4"		1.7 lb.

Signature Series, Mud Auger 

Part #	Diameter	Material	Weight
350.17	4"		2.7 lb.
350.18	3 1/4"		1.6 lb.
350.19	2 3/4"		1.9 lb.
350.20	2 1/4"		1.6 lb.

Signature Series, Sand Auger 

Part #	Diameter	Material	Weight
350.39	4"		3.5 lb.
350.40	3 1/4"		2.6 lb.
350.41	2 3/4"		2.1 lb.
350.42	2 1/4"		1.7 lb.

3/4" Threaded, Regular Auger 

Part #	Diameter	Material	Weight
400.02	7"		9.5 lb.
400.03	6"		7.8 lb.

3/4" Threaded, Mud Auger 

Part #	Diameter	Material	Weight
400.12	7"		9.0 lb.
400.15	6"		7.4 lb.

3/4" Threaded, Sand Auger 

Part #	Diameter	Material	Weight
400.36	7"		10.7 lb.
400.37	6"		7.8 lb.

3/4" Threaded, Professional Regular Auger

Part #	Diameter	Material	Weight
402.38	4"		3.5 lb.
402.25	3 1/4"		2.9 lb.
402.26	2 3/4"		2.4 lb.
402.36	2 1/4"		1.7 lb.

3/4" Threaded, Professional Mud Auger

Part #	Diameter	Material	Weight
402.39	4"		3.3 lb.
402.27	3 1/4"		2.6 lb.
402.28	2 3/4"		2.3 lb.
402.37	2 1/4"		1.5 lb.

5/8" Threaded, Regular Auger 

Part #	Diameter	Material	Weight
400.04	5"		4.3 lb.
400.05	4"		3.5 lb.
400.06	3 1/4"		2.6 lb.
400.07	2 3/4"		2.1 lb.
400.08	2 1/4"		1.7 lb.
400.09	2"		1.4 lb.
400.10	1 3/4"		1.2 lb.
400.11	1 1/2"		0.9 lb.
417.08	5"	SST	4.0 lb.
417.07	4"	SST	3.5 lb.
417.06	3 1/4"	SST	2.6 lb.
417.05	2 3/4"	SST	2.1 lb.
417.04	2 1/4"	SST	1.7 lb.
417.03	2"	SST	1.5 lb.
417.02	1 3/4"	SST	1.2 lb.
417.01	1 1/2"	SST	0.9 lb.

5/8" Threaded, Mud Auger 

Part #	Diameter	Material	Weight
400.16	5"		4.3 lb.
400.17	4"		3.3 lb.
400.18	3 1/4"		2.3 lb.
400.19	2 3/4"		1.9 lb.
400.20	2 1/4"		2.3 lb.
400.21	2"		1.5 lb.
400.22	1 3/4"		1.2 lb.
400.23	1 1/2"		1.0 lb.
418.00	5"	SST	3.8 lb.
418.07	4"	SST	3.4 lb.
418.06	3 1/4"	SST	2.3 lb.
418.05	2 3/4"	SST	2.0 lb.
418.04	2 1/4"	SST	1.7 lb.
418.03	2"	SST	1.5 lb.
418.02	1 3/4"	SST	1.2 lb.
418.01	1 1/2"	SST	1.0 lb.

5/8" Threaded, Sand Auger 

Part #	Diameter	Material	Weight
400.38	5"		4.3 lb.
400.39	4"		3.5 lb.
400.40	3 1/4"		2.6 lb.
400.41	2 3/4"		2.1 lb.
400.42	2 1/4"		1.7 lb.
400.43	2"		1.5 lb.
400.44	1 3/4"		1.2 lb.
400.45	1 1/2"		1.0 lb.
419.08	5"	SST	4.0 lb.
420.07	4"	SST	3.6 lb.
420.06	3 1/4"	SST	2.6 lb.
420.05	2 3/4"	SST	2.2 lb.
420.04	2 1/4"	SST	1.8 lb.
420.03	2"	SST	1.5 lb.
420.02	1 3/4"	SST	2.3 lb.
420.01	1 1/2"	SST	0.9 lb.

Quick Connect, Regular Auger 

Part #	Diameter	Material	Weight
300.02	7"		8.2 lb.
300.03	6"		4.6 lb.
300.04	5"		3.8 lb.
300.05	4"		2.9 lb.
300.06	3 1/4"		2.4 lb.
300.07	2 3/4"		2.0 lb.
300.08	2 1/4"		1.8 lb.
300.09	2"		1.6 lb.
300.10	1 3/4"		1.3 lb.
300.11	1 1/2"		1.3 lb.
317.08	5"	SST	4.6 lb.
317.07	4"	SST	4.0 lb.
317.06	3 1/4"	SST	3.0 lb.
317.05	2 3/4"	SST	2.5 lb.
317.04	2 1/4"	SST	3.0 lb.
317.03	2"	SST	1.9 lb.
317.02	1 3/4"	SST	1.7 lb.
317.01	1 1/2"	SST	1.3 lb.

Quick Connect, Mud Auger 

Part #	Diameter	Material	Weight
300.12	7"		8.5 lb.
300.15	6"		7.7 lb.
300.16	5"		4.4 lb.
300.17	4"		3.6 lb.
300.18	3 1/4"		2.6 lb.
300.19	2 3/4"		2.3 lb.
300.20	2 1/4"		2.0 lb.
300.21	2"		1.8 lb.
300.22	1 3/4"		1.5 lb.
300.23	1 1/2"		1.2 lb.
318.08	5"	SST	5.6 lb.
318.07	4"	SST	3.2 lb.
318.06	3 1/4"	SST	2.8 lb.
318.05	2 3/4"	SST	2.4 lb.
318.04	2 1/4"	SST	2.8 lb.
318.03	2"	SST	1.9 lb.
318.02	1 3/4"	SST	1.6 lb.
318.01	1 1/2"	SST	1.3 lb.

Quick Connect, Sand Auger 

Part #	Diameter	Material	Weight
300.36	7"		11.1 lb.
300.37	6"		8.2 lb.
300.38	5"		4.6 lb.
300.39	4"		3.8 lb.
300.40	3 1/4"		2.9 lb.
300.41	2 3/4"		2.4 lb.
300.42	2 1/4"		2.0 lb.
300.43	2"		1.8 lb.
300.44	1 3/4"		1.6 lb.
300.45	1 1/2"		1.3 lb.
320.08	5"	SST	5.8 lb.
320.07	4"	SST	4.0 lb.
320.06	3 1/4"	SST	3.1 lb.
320.05	2 3/4"	SST	2.6 lb.
320.04	2 1/4"	SST	2.2 lb.
320.03	2"	SST	2.0 lb.
320.02	1 3/4"	SST	1.7 lb.
320.01	1 1/2"	SST	1.4 lb.



Reinforced Augers

AMS reinforced augers are adaptations of our popular regular soil, mud, and sand augers. They are specially designed for heavy-duty augering. Three additional gussets provide extra strength to help prevent the top of the auger from twisting or bending, which allow the augers to withstand unusual, and considerable amounts of power. AMS reinforced augers are available in carbon steel and stainless steel models. Both models have stainless steel cylinders. Carbon steel models feature heat-treated, high-carbon steel bits with tungsten carbide hard-surfaced edges. Stainless steel models use stainless steel bails, cylinders, and bits; they are ideal for environmental sampling and EPA testing.



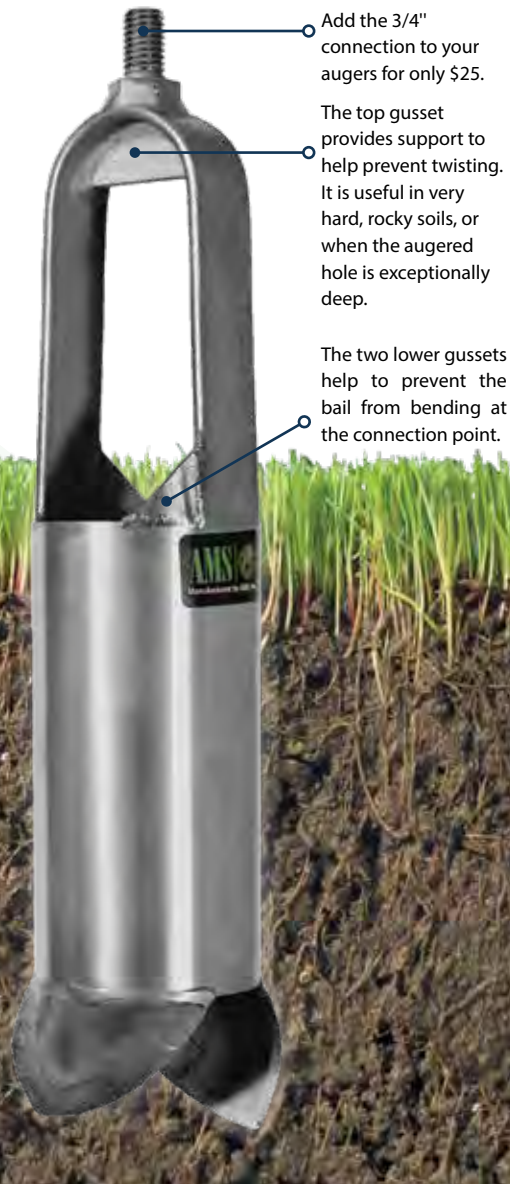
#400.06 Augers create a borehole wider than the cylinder for easy removal.

Like the regular soil, mud, and sand augers, reinforced augers are available in carbon steel and stainless steel models.

Carbon steel models feature heat-treated, high-carbon steel bits with tungsten carbide hard-surfaced edges.

Stainless steel (SST) models are ideal for EPA testing. They have SST bails, cylinders, and bits.

#413.06



Add the 3/4" connection to your augers for only \$25.

The top gusset provides support to help prevent twisting. It is useful in very hard, rocky soils, or when the augered hole is exceptionally deep.

The two lower gussets help to prevent the bail from bending at the connection point.



5" diameter regular soil and mud augers utilize three cutting teeth, rather than two.

#400.04



To remove soil from AMS augers, tip the auger and tap the cylinder.

#413.05



#415.27



#413.18



#414.71

Reinforced Regular Augers

Reinforced regular soil augers are used to obtain disturbed soil samples and bore to depths in difficult lithologies. The bits are open to allow entry of small soil clumps and rocks.

5/8" Threaded, Reinforced Regular Auger

Part #	Diameter	Material	Weight
413.04	5"		4.3 lb.
413.05	4"		3.5 lb.
413.06	3 1/4"		2.6 lb.
413.07	2 3/4"		2.1 lb.
413.08	2 1/4"		1.7 lb.
415.31	5"	SST	4.1 lb.
415.29	4"	SST	3.5 lb.
415.27	3 1/4"	SST	2.6 lb.
415.25	2 3/4"	SST	2.1 lb.
415.23	2 1/4"	SST	1.7 lb.

Quick Connect, Reinforced Regular Auger

Part #	Diameter	Material	Weight
413.27	5"		4.6 lb.
413.29	4"		3.8 lb.
413.31	3 1/4"		2.9 lb.
413.33	2 3/4"		2.4 lb.
413.35	2 1/4"		2.0 lb.
414.17	5"	SST	4.6 lb.
414.15	4"	SST	4.0 lb.
414.13	3 1/4"	SST	3.0 lb.
414.11	2 3/4"	SST	2.6 lb.
414.09	2 1/4"	SST	3.0 lb.

Reinforced Mud Augers

Reinforced mud augers feature two openings in the cylinder wall to facilitate emptying of the collected soil. They have widely-spaced bits to ease entry of moist, sticky soils.

5/8" Threaded, Reinforced Mud Auger

Part #	Diameter	Material	Weight
413.16	5"		4.1 lb.
413.17	4"		3.3 lb.
413.18	3 1/4"		2.3 lb.
413.19	2 3/4"		1.9 lb.
413.20	2 1/4"		2.3 lb.
415.33	5"	SST	4.2 lb.
415.47	4"	SST	3.4 lb.
415.45	3 1/4"	SST	2.3 lb.
415.43	2 3/4"	SST	2.0 lb.
415.41	2 1/4"	SST	1.7 lb.

Quick Connect, Reinforced Mud Auger

Part #	Diameter	Material	Weight
413.43	5"		4.4 lb.
413.45	4"		3.6 lb.
413.47	3 1/4"		2.6 lb.
413.49	2 3/4"		2.3 lb.
413.51	2 1/4"		2.0 lb.
414.33	5"	SST	5.6 lb.
414.31	4"	SST	3.2 lb.
414.29	3 1/4"	SST	2.8 lb.
414.27	2 3/4"	SST	2.4 lb.
414.25	2 1/4"	SST	2.8 lb.

Reinforced Sand Augers

Reinforced sand augers feature a closed bit design with a restricted opening to prevent the loss of the sampled material during retrieval. They are more reliable in loose, unconsolidated soil conditions.

5/8" Threaded, Reinforced Sand Auger

Part #	Diameter	Material	Weight
414.67	5"		4.3 lb.
414.69	4"		3.5 lb.
414.71	3 1/4"		2.6 lb.
414.73	2 3/4"		2.1 lb.
414.75	2 1/4"		1.7 lb.
415.63	5"	SST	4.3 lb.
415.79	4"	SST	3.6 lb.
415.77	3 1/4"	SST	2.6 lb.
415.75	2 3/4"	SST	2.2 lb.
415.71	2 1/4"	SST	1.8 lb.

Quick Connect, Reinforced Sand Auger

Part #	Diameter	Material	Weight
413.61	5"		4.6 lb.
413.63	4"		3.8 lb.
413.65	3 1/4"		2.9 lb.
413.67	2 3/4"		2.4 lb.
413.69	2 1/4"		2.0 lb.
414.47	5"	SST	5.8 lb.
414.61	4"	SST	4.0 lb.
414.59	3 1/4"	SST	3.1 lb.
414.57	2 3/4"	SST	2.6 lb.
414.55	2 1/4"	SST	2.3 lb.



Replacement Bits & Repair Services

Save money by repairing your regular, mud, sand, and reinforced auger bits! Contact AMS customer service. Let us know what products need repairs. We will assign you a Return Merchandise Authorization (RMA) number that you will need to write on the package you are using to return the products. We can usually repair your product within 7-10 business days and have it shipped back to you.

*Note: Costs of labor and shipping are not included.



used #300.07 fixed #300.07



#413.18
5/8" threaded,
reinforced mud auger



#413.06
5/8" threaded,
reinforced regular auger

Diameter	Regular Bits	Mud Bits	Sand Bits
	Part #	Part #	Part #
5"	415.15	400.27	423.07
4"	400.73	400.28	423.06
3 1/4"	415.30	400.29	423.05
2 3/4"	415.20	400.30	423.04
2 1/4"	400.72	400.31	423.03
2"	400.74	400.32	423.08
1 3/4"	400.71	400.33	423.02
1 1/2"	400.70	400.34	423.01

Edelman Augers

These augers feature Eijkelkamp's quality edelman auger bodies combined with the versatility of the AMS 5/8" threaded, signature series, and quick connect connection systems. Eijkelkamp edelman augers are widely used for the study of soil composition, soil profiling, and soil mapping. They feature a screw-like point at the base of the auger that enters into the soil as you push and turn the auger clockwise. The soil sample is guided into the auger by two vaulted vertical cutting blades. The vaulted design promotes soil digging and ensures a firm hold of the sample in the auger. Edelman augers utilize drilling bits made of untreated steel to avoid contamination of collected soil samples. There are four types of edelman augers: combination, clay, sand, and coarse sand. The combination soil edelman (below) is the most commonly used, but the auger type should be chosen with respect to the soil conditions in order to achieve optimal results.



The combination, clay, sand, and coarse sand edelman augers are used for soil composition, soil profiling, and soil mapping. The combination edelman is the most commonly used, but the auger type should be chosen with respect to the soil conditions.

#401.72

Combination Edelman Augers

Combination edelman augers are used in a variety of soil conditions. They retain sandy material well, and more cohesive mud and clay soils can be easily removed from the body. A one-piece combination edelman is also available.

Signature Series Combination Edelman Auger

Part #	Diameter	Weight
401.67	2" (5 cm)	0.7 lb.
401.70	2 3/4" (7 cm)	1.1 lb.
401.73	4" (10cm)	1.7 lb.
401.76	6" (15cm)	2.9 lb.

5/8" Threaded, Combination Edelman Auger

Part #	Diameter	Weight
401.66	2" (5 cm)	0.7 lb.
401.69	2 3/4" (7 cm)	1.1 lb.
401.72	4" (10 cm)	1.7 lb.
401.75	6" (15 cm)	2.9 lb.

Quick Connect Combination Edelman Auger

Part #	Diameter	Weight
401.68	2" (5 cm)	0.7 lb.
401.71	2 3/4" (7 cm)	1.1 lb.
401.74	4" (10 cm)	1.7 lb.
401.77	6" (15 cm)	2.9 lb.

Hex Quick Pin, Combination Edelman Auger

Part #	Diameter
58541	2" (5 cm)
58542	2 3/4" (7 cm)
58543	4" (10 cm)
58544	6" (15 cm)



#401.69 Shown at multiple angles

Open-Face Augers

The unique design of the open-face auger allows for quicker penetration into combination soils. Its advanced cutting head helps the auger pull itself into the ground with little effort and yields quicker soil penetration. The cylinder is made of thick, 10 gauge, high-carbon steel. The special cutting head and thick body make the open-face auger especially useful in tough combination soils – from mud and clay to hard-pan. The open design also allows for a quick visual profile of the sample and for easy soil extraction. A one-piece open-face auger is also available.

Signature Series, Open-Face Auger

Part #	Diameter	Weight
400.57	2.5"	1.3 lb.

5/8" Threaded, Open-Face Auger

Part #	Diameter	Weight
400.55	2.5"	1.3 lb.

Quick Connect, Open-Face Auger

Part #	Diameter	Weight
400.56	2.5"	1.7 lb.

Hex Quick Pin, Open-Face Auger

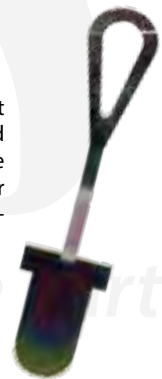
Part #	Diameter	Weight
58540	2.5"	1.7 lb.



#400.55

Idaho Spoon

This zinc-plated cleanout tool is used to quickly and easily remove soil from the AMS open-face (left) auger and the one-piece open-face auger.



#55647

Idaho Spoon

Part #	Weight
55647	0.5 lb.





401.91

Coarse Sand Edelman Augers

Edelman coarse sand augers are used in very non-cohesive, dry, sandy soils. The blades of the auger are extended to almost close the auger.

Signature Series, Coarse Sand Edelman Auger

Part #	Diameter	Weight
401.92	2 3/4" (7 cm)	1.5 lb.

5/8" Threaded, Coarse Sand Edelman Auger

Part #	Diameter	Weight
401.91	2 3/4in (7 cm)	1.5 lb.

Quick Connect, Coarse Sand Edelman Auger

Part #	Diameter	Weight
401.93	2 3/4" (7 cm)	1.5 lb.

Hex Quick Pin Coarse Sand Edelman Auger

Part #	Diameter	Weight
58545	2 3/4" (7 cm)	1.5 lb.



401.81

Sand Edelman Augers

Edelman sand augers are designed with broad blades that allow them to retain excellent samples from non-cohesive, sandy soils.

Signature Series, Sand Edelman Auger

Part #	Diameter	Weight
401.79	2 3/4" (7 cm)	1.1 lb.
401.82	4" (10 cm)	1.8 lb.

5/8" Threaded, Sand Edelman Auger

Part #	Diameter	Weight
401.78	2 3/4" (7 cm)	1.1 lb.
401.81	4" (10 cm)	1.8 lb.

Quick Connect, Sand Edelman Auger

Part #	Diameter	Weight
401.80	2 3/4" (7 cm)	1.1 lb.
401.83	4" (10 cm)	1.8 lb.

Hex Quick Pin, Sand Edelman Auger

Part #	Diameter	Weight
58546	2 3/4" (7 cm)	1.1 lb.
58547	4" (10 cm)	1.8 lb.



401.87

Clay Edelman Augers

Edelman clay augers have narrow blades that minimize friction in cohesive soils and cause little resistance during retrieval.

Signature Series, Clay Edelman Auger

Part #	Diameter	Weight
401.85	2 3/4" (7 cm)	0.9 lb.
401.88	4" (10 cm)	1.6 lb.

5/8" Threaded, Clay Edelman Auger

Part #	Diameter	Weight
401.84	2 3/4" (7 cm)	0.9 lb.
401.87	4" (10 cm)	1.6 lb.

Quick Connect, Clay Edelman Auger

Part #	Diameter	Weight
401.86	2 3/4" (7 cm)	0.9 lb.
401.89	4" (10 cm)	1.6 lb.

Hex Quick Pin, Clay Edelman Auger

Part #	Diameter	Weight
58548	2 3/4" (7 cm)	0.9 lb.
58549	4" (10 cm)	1.6 lb.



401.94

401.97

Stony Soil Augers

Stony soil augers are used in soils with significant gravel content. They are made using a heavy steel strip with cutting bits that create boreholes wider than their bodies.

Signature Series, Stony Soil Auger

Part #	Diameter	Weight
401.95	2 3/4" (7 cm)	2.1 lb.
401.98	4" (10 cm)	3.0 lb.

5/8" Threaded, Stony Soil Auger

Part #	Diameter	Weight
401.94	2 3/4" (7 cm)	2.1 lb.
401.97	4" (10 cm)	3.0 lb.

Quick Connect, Stony Soil Auger

Part #	Diameter	Weight
401.96	2 3/4" (7 cm)	2.1 lb.
401.99	4" (10 cm)	3.0 lb.

Hex Quick Pin, Stony Soil Auger

Part #	Diameter	Weight
58550	2 3/4" (7 cm)	2.1 lb.
58551	4" (10 cm)	3.0 lb.

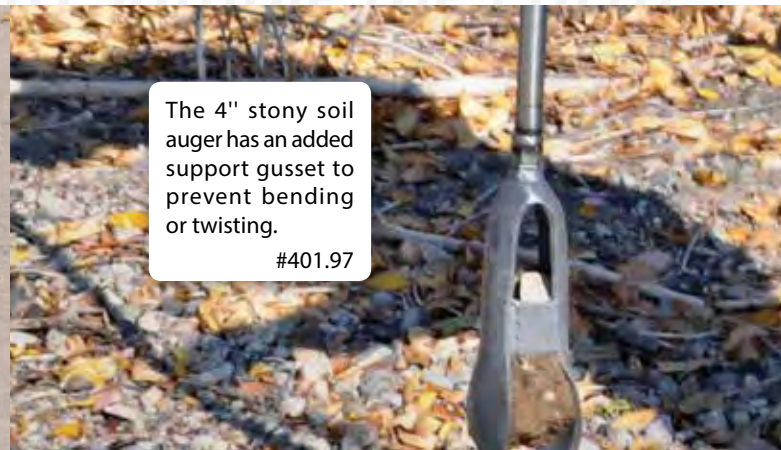
The coarse sand edelman auger is able to collect dry, sandy soils that have little or no cohesion.

#401.91



The 4" stony soil auger has an added support gusset to prevent bending or twisting.

#401.97



Dutch Augers

Dutch augers allow you to easily collect disturbed soil samples in heavily rooted areas. Hand forged from high-carbon steel and honed to a fine cutting edge, this auger will cut through highly fibrous and heavily rooted soils. It is excellent for use in forests, vineyards, and orchards. The unique open design of the Dutch auger also allows for easier removal of hard or wet soils. The AMS Dutch auger is similar in its design to the Eijkelkamp combination Edelman auger.

Signature Series, Dutch Augers

Part #	Diameter	Weight
350.59	3"	1.3 lb.
350.61	2"	1.0 lb.

5/8" Threaded, Dutch Augers

Part #	Diameter	Weight
400.59	3"	1.3 lb.
400.61	2"	1.0 lb.

Quick Connect, Dutch Augers

Part #	Diameter	Weight
300.59	3"	1.7 lb.
300.61	2"	1.5 lb.

Hex Quick Pin, Dutch Augers

Part #	Diameter	Weight
300.64	3"	1.7 lb.
300.63	2"	1.5 lb.



Dutch augers are ideal in heavily rooted areas. They are excellent in forests, vineyards, and orchards.

#400.61

Soil Recovery Augers



Soil recovery augers (SRAs) are used to auger to depth and collect a disturbed sample into a liner. They lift soil into a liner while creating a borehole that is wider than the cylinder for easy removal. They have protective sealings to help reduce the loss of volatile compounds and a smooth finish for easy decontamination. They include a SST cylinder, hollow top cap with an attached bail, solid-vented top cap, plastic liner, end caps, and a universal slip wrench. They are available with tungsten carbide hard-surfaced bits, or SST bits. They use liners that are 1/4" smaller in diameter than the cylinder. AMS also offers core and split-core samplers. Disposable core samplers that allow for field extraction, extrusion, and preservation are also available.

*Note: Samples may not be suitable for some VOC analysis.

Soil Recovery Auger Replacement Parts

SOIL RECOVERY AUGER CAPS, 5/8" THREADED

Part #	Diameter	Length	Item	Material	Weight
421.18	3 1/4"		SRA Solid Cap	SST	2.4 lb.
421.14	2 1/4"		SRA Solid Cap	SST	1.2 lb.
421.19	3 1/4"		SRA Hollow Cap	SST	1.6 lb.
421.15	2 1/4"		SRA Hollow Cap	SST	1.2 lb.

SOIL RECOVERY AUGER BODY

Part #	Diameter	Length	Item	Material	Weight
421.16	3 1/4"	10"	SRA Cylinder		3.8 lb.
421.17	3 1/4"	12"	SRA Cylinder		4.4 lb.
421.12	2 1/4"	8"	SRA Cylinder		2.1 lb.
421.13	2 1/4"	10"	SRA Cylinder		2.5 lb.
421.27	3 1/4"	10"	SRA Cylinder	SST	3.7 lb.
421.28	3 1/4"	12"	SRA Cylinder	SST	4.4 lb.
421.24	2 1/4"	8"	SRA Cylinder	SST	2.1 lb.
421.26	2 1/4"	10"	SRA Cylinder	SST	2.5 lb.

MISCELLANEOUS

421.29			Universal Slip Wrench		1.3 lb.
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LINERS & END CAPS

422.01	3"	10"	Plastic Liner		0.3 lb.
422.02	3"	12"	Plastic Liner		0.3 lb.
422.03	2"	8"	Plastic Liner		0.2 lb.
422.04	2"	10"	Plastic Liner		0.2 lb.
418.09	3"		Plastic End Caps		0.1 lb.
418.10	2"		Plastic End Caps		0.1 lb.

5/8" Threaded, Soil Recovery Augers

Part #	Diameter	Length	Item	Material	Weight
421.01	3 1/4"	10"	SRA Complete		9.2 lb.
421.02	3 1/4"	12"	SRA Complete		10.1 lb.
421.05	2 1/4"	8"	SRA Complete		5.7 lb.
421.06	2 1/4"	10"	SRA Complete		6.2 lb.
421.03	3 1/4"	10"	SRA Complete	SST	9.3 lb.
421.04	3 1/4"	12"	SRA Complete	SST	10.1 lb.
421.07	2 1/4"	8"	SRA Complete	SST	5.8 lb.
421.08	2 1/4"	10"	SRA Complete	SST	6.2 lb.

Triple-Lead Flighted Screw Augers

AMS triple-lead flighted screw augers are able to bore holes in compacted soil lithologies to allow the user to collect a disturbed soil sample. They weigh less than regular flighted screw augers, and they are constructed using carbon steel and a precise heat-treating and hardening process – making them some of the strongest soil augers available. Flighted auger sampling kits that utilize powered drills are also available for those who need to go deeper, faster.

* Not For Use w/ Rotary Hammer Drills

5/8" Threaded, Triple-Lead Flighted Screw Augers

Part #	Diameter	Length	Weight
424.60	1 1/4"	18"	2.0 lb.
424.61	1 1/2"	18"	2.0 lb.



#424.60

Flighted Screw Augers

AMS flighted screw augers are capable of creating a borehole in tough, hardened soil conditions – allowing the user to collect a disturbed sample. These robust augers are made of carbon steel and feature single-twisted flighting with smooth edges that allow for easy soil penetration.

5/8" Threaded, Flighted Screw Augers

Part #	Diameter	Length	Weight
405.05	2"	12"	2.2 lb.
405.03	1 3/4"	12"	1.8 lb.
405.02	1 1/2"	12"	1.5 lb.

Quick Connect, Flighted Screw Augers

Part #	Diameter	Length	Weight
305.01	2"	12"	4.8 lb.
305.03	1 3/4"	12"	3.6 lb.
305.02	1 1/2"	12"	3.0 lb.



#405.02



Light-weight flighted augers are made for hardened soils.

#405.05



#400.51

Planer Augers

AMS planer augers remove loose soil and other materials from the bottoms of already augered holes. They have a cutting blade on the underside of the auger cylinder. The flat, slotted design of the planer auger head allows it to remove loose material from the bottom of a borehole in preparation for the collection of a soil core sample, or to conduct geotechnical testing. Planer augers have a carbon steel bail, stainless steel cylinder and tungsten carbide hard surfaced cutting blade.

5/8" Threaded, Planer Augers

Part #	Diameter	Weight
400.51	3 1/4"	2.0 lb.
400.52	2 3/4"	1.6 lb.
400.53	2 1/4"	1.3 lb.



#54545

#53764

Gouge Augers

AMS gouge augers are designed for sampling wet clay and peat. They have a long, tapered stainless steel, semi-cylindrical chamber that is perfect for collecting undisturbed samples from very soft, wet soils while minimizing disturbance to any soft cohesive layers. When a gouge auger is pushed into the soil, twisted, and recovered, it can completely display a full and virtually undisturbed soil profile of peaty soil. Gouge augers are made of stainless steel. If necessary, use a slide hammer to push the gouge auger into the soil and to help pull it out. See page 93 for details.



Samples collected with gouge augers can be viewed immediately.

#54545

5/8" Threaded, Gouge Augers

Part #	Diameter	Length	Material	Weight
54545	1 1/4"	40"	SST	4.3 lb.
53764	2 1/2"	40"	SST	10.2 lb.

Soil Auger Field Kits

Soil auger field kits combine the preferred auger size of professionals all over the world with our most popular components. These kits are available with signature series, 3/4" threaded, 5/8" threaded, hex quick pin, and quick connect connections. They come with a 3 1/4" regular auger, 4' extension, and an 18" rubber-coated handle.

Signature Series, 3 1/4" Regular Soil Auger Field Kit

Part #	Item	Weight
400.141	3 1/4" Sig. Auger Field Kit	6.0 lb.
REPLACEMENT PARTS		
350.06	3 1/4" Regular Auger	2.7 lb.
351.03	4' Series Extension	1.7 lb.
351.54	18" Rubber-Coated Handle	1.1 lb.

3/4" Threaded, Professional 3 1/4" Regular Soil Auger Field Kit

Part #	Item	Weight
400.143	3 1/4" Pro Auger Field Kit	6.5 lb.
REPLACEMENT PARTS		
402.25	3 1/4" Regular Auger	2.9 lb.
402.32	4' Extension	2.0 lb.
402.31	18" Rubber-Coated Handle	1.3 lb.

5/8" Threaded, 3 1/4" Regular Soil Auger Field Kit

Part #	Item	Weight
400.14	3 1/4" Reg. Auger Field Kit	5.3 lb.
REPLACEMENT PARTS		
400.06	3 1/4" Regular Auger	2.6 lb.
408.03	4' Extension	2.3 lb.
406.04	18" Rubber-Coated Handle	1.3 lb.

Quick Connect, 3 1/4" Regular Soil Auger Field Kit

Part #	Item	Weight
400.142	3 1/4" QC Auger Field Kit	7.7 lb.
REPLACEMENT PARTS		
300.06	3 1/4" Regular Auger	2.9 lb.
309.03	4' Extension	3.2 lb.
306.06	18" Rubber-Coated Handle	1.3 lb.

Hex Quick Pin, 3 1/4" Regular Soil Auger Field Kit

Part #	Item	Weight
58534	3 1/4" Hex QP Auger Field Kit	7.7 lb.
REPLACEMENT PARTS		
58501	3 1/4" Hex QP Regular Auger	2.9 lb.
58505	4' Hex QP Extension	3.2 lb.
58504	Hex QP 18" Rubber-Coated Cross Handle	1.3 lb.



One-Piece Open-Face Auger

This thick, one-piece design, with its unique, hand-formed aggressive cutting head, pulls itself into the ground with little effort from the user. The one-piece open-face auger quickly penetrates through combination soils, from mud or clay to hard pan. The open-face design is especially useful for obtaining quick visual profiles and provides for easy soil extraction. The attached 16" rubber-gripped handle gives it a total length of 48" and can be used to auger to 3' below the ground surface. The auger is made of gold zinc-plated chromoly.

One-Piece Open-Face Auger

Part #	Diameter	Length	Weight
400.54	2 1/2"	48"	4.1 lb.

One-Piece Regular Soil & Mud Augers

AMS one-piece regular augers and mud augers are powder-coated for rust-resistance and have an attached 16" rubber-gripped cross handle. They are inexpensive, lightweight alternatives for anyone who does not need to bore holes deeper than 4'. The 4" models are perfect for quickly digging post holes because they eliminate the back and shoulder jarring caused by traditional post-hole diggers. They are made of powder-coated chromoly, carbon steel, and stainless steel. They are 53" in length.

One-Piece Regular Soil Augers

Part #	Diameter	Length	Weight
400.48	2 3/4"	51"	4.1 lb.
400.46	4"	53"	5.5 lb.

One-Piece Mud Augers

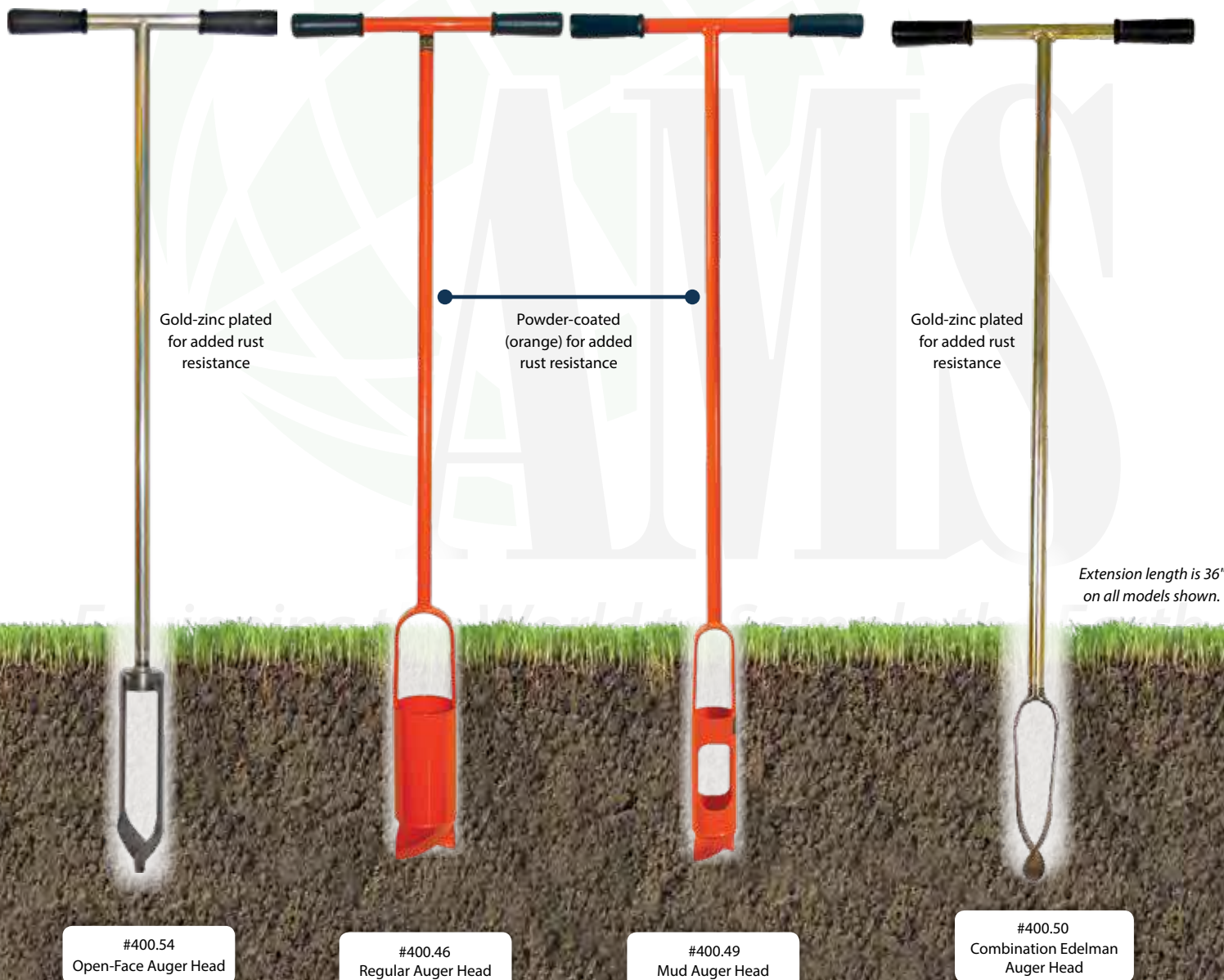
Part #	Diameter	Length	Weight
400.49	2 3/4"	51"	4.1 lb.
400.47	4"	53"	5.5 lb.

One-Piece Combination Edelman Auger

The one-piece combination edelman auger has a total length of 48" and is capable of augering as deep as 3'. The attached 16" rubber-gripped handle is welded to the steel shaft which is also welded to an Eijelkamp combination edelman auger head. It is versatile, lightweight and easy to use. It requires no assembly in the field and works well in a variety of soil conditions. The one-piece combination edelman auger is made of high-carbon steel and gold zinc-plated chromoly.

One-Piece Combination Edelman

Part #	Diameter	Length	Weight
400.50	2 3/4" (7cm)	46" (122 cm)	3.0 lb. (1.4 kg)
400.79	2" (5cm)	44" (111.76)	2.85 lb (0.45 kg)



Telescoping Augers

AMS telescoping auger systems extend to 8'! These auger setups are 5' 4" long when not extended. They are designed for easy transport and storage, and they come with a rubber-gripped handle, outer extension, inner extension, auger head – regular, mud, or sand – and three snap pins. The snap-pins are used to lock the cross handle, extensions, and auger head together. To enhance the performance of this auger, order the optional 18" ratcheting cross handle. Various additional auger heads may be ordered separately. The augers included in these kits have carbon steel bails, stainless steel cylinders, and high-carbon steel bits with tungsten carbide hard-surfacing. The handles and extensions are made of chromoly. Contact AMS customer service for more information.



Telescoping Regular Soil Auger Kits

Part #	Diameter	Weight
301.68	2 1/4"	6.9 lb.
301.67	2 3/4"	7.2 lb.
301.66	3 1/4"	7.7 lb.
301.65	4"	8.6 lb.

Telescoping Mud Auger Kits

Part #	Diameter	Weight
301.80	2 1/4"	5.7 lb.
301.79	2 3/4"	6.0 lb.
301.78	3 1/4"	7.4 lb.
301.77	4"	8.4 lb.

Telescoping Sand Auger Kits

Part #	Diameter	Weight
301.90	3 1/4"	7.9 lb.

Each telescoping extension includes an inner and outer extension along with three snap pins. #301.19

#301.67
 Non-Extended Length: 5'4"
 Partially Extended Length: 6' 6"
 Fully Extended Length: 8'

Telescoping Replacement Parts & Accessories

Part #	Diameter	Length	Item	Weight
301.08	2 1/4"		Telescoping Regular Auger	1.8 lb.
301.20	2 1/4"		Telescoping Mud Auger	1.6 lb.
301.42	2 1/4"		Telescoping Sand Auger	1.8 lb.
301.07	2 3/4"		Telescoping Regular Auger	2.8 lb.
301.19	2 3/4"		Telescoping Mud Auger	1.8 lb.
301.41	2 3/4"		Telescoping Sand Auger	2.8 lb.
301.06	3 1/4"		Telescoping Regular Auger	2.5 lb.
301.18	3 1/4"		Telescoping Mud Auger	2.2 lb.
301.40	3 1/4"		Telescoping Sand Auger	2.7 lb.
301.05	4"		Telescoping Regular Auger	3.6 lb.
301.17	4"		Telescoping Mud Auger	3.3 lb.
301.39	4"		Telescoping Sand Auger	3.5 lb.
407.35		4'- 8'	Telescoping Extension	4.4 lb.
406.81		18"	Telescoping Cross Handle	0.8 lb.
406.84		18"	Telescoping Ratcheting Handle	2.1 lb.
MISCELLANEOUS				
12766			Snap Pin	0.1 lb.

Soil Core Samplers

Soil core samplers are used to collect virtually undisturbed soil samples for soil profiling and environmental investigations. A core sample may be collected at the surface or from the bottom of a pre-augered borehole. Samples may be collected into aluminium, brass, stainless steel, or plastic liners, or directly into the body of a split-core sampler for immediate examination of the sample.

Soil Core Sampler Application:

- Insert a suitable liner (if necessary).
- Thread the top cap and appropriate tip (if needed) to the cup and tighten.
- Attach your extension to the top cap.
- Attach a slide hammer or cross handle to the extension and tighten.
- To collect a core sample using a cross handle, twist the cross handle clock-wise while pressing down. If using a slide hammer, raise the hammer and allow it to fall to drive the sampler into the soil. Remove the sampler by pulling up on the handle, or by reverse hammering.
- Disconnect the sampler from the extension. Keeping the sampler vertical, remove the top cap. If using a liner, remove the liner and push your plastic end caps onto each end of the liner.
- Clean the sampler and ensure that all soil particles are removed from the threads. Use a wire brush if necessary.

Core Sampler Cup & Cap

Core samplers allow the user to collect relatively undisturbed soil core samples from the subsurface or pre-augered boreholes. Samples are collected into liners that may be properly prepared and transferred to a lab for soil profiling or chemical analysis. The liner may also be extruded in the field for immediate examination of the core sample. Core samplers include a sampler body (cup) and a cap. They are made using carbon steel or stainless steel (SST) and sized by the OD of the liner. Core sampling kits are available (see page 45).

*Note: The AMS 3/4in connection may be added to core samplers for only \$25. Special lengths are also available. Contact AMS for details. Slide hammers and extensions may be ordered separately (see page 93 - 94).

Signature Series, Core Sampler Cup & Caps

Part #	Diameter	Length	Material	Weight
354.16	2"	6"	4130	2.9 lb.
354.15	1 1/2"	6"	4130	2.1 lb.

5/8" Threaded, Core Sampler Cup & Caps

Part #	Diameter	Length	Material	Weight
404.38	1 1/2"	6"	4130	2.1 lb.
403.96	1 1/2"	12"	4130	3.3 lb.
404.07	2"	2"	4130	2.0 lb.
404.08	2"	3"	4130	2.2 lb.
404.09	2"	4"	4130	2.4 lb.
404.10	2"	6"	4130	2.9 lb.
404.49	2"	12"	4130	4.2 lb.
404.51	2 1/2"	6"	4130	3.9 lb.
404.48	3"	6"	4130	4.9 lb.
404.72	1 1/2"	6"	SST	2.5 lb.
404.88	1 1/2"	12"	SST	3.5 lb.
404.68	2"	2"	SST	2.2 lb.
404.69	2"	3"	SST	2.5 lb.
404.70	2"	4"	SST	2.8 lb.
404.71	2"	6"	SST	3.5 lb.
404.75	2"	12"	SST	5.3 lb.
404.73	2 1/2"	6"	SST	4.5 lb.
404.74	3"	6"	SST	5.8 lb.



Collect a soil core sample from the surface or a pre-augered borehole.



#404.10

Core Sampler Complete

Save up to 7% by ordering a complete set-up that includes the regular core sampler cup and cap, a regular slide hammer, plastic liner, and two plastic end caps.



#404.45

Signature Series, Core Sampler Completes

Part #	Diameter	Length	Material	Weight
354.26	2"	6"	4130	13.1 lb.
354.25	1 1/2"	6"	4130	12.3 lb.

5/8" Threaded, Core Sampler Completes

Part #	Diameter	Length	Material	Weight
404.39	1 1/2"	6"	4130	12.3 lb.
403.97	1 1/2"	12"	4130	13.5 lb.
404.02	2"	2"	4130	12.2 lb.
404.03	2"	3"	4130	12.5 lb.
404.04	2"	4"	4130	12.6 lb.
404.05	2"	6"	4130	13.1 lb.
404.50	2"	12"	4130	14.4 lb.
404.44	2 1/2"	6"	4130	14.1 lb.
404.45	3"	6"	4130	15.1 lb.
404.64	1 1/2"	6"	SST	12.7 lb.
404.87	1 1/2"	12"	SST	13.6 lb.
404.60	2"	2"	SST	12.4 lb.
404.61	2"	3"	SST	12.7 lb.
404.62	2"	4"	SST	13.0 lb.
404.63	2"	6"	SST	13.7 lb.
404.67	2"	12"	SST	15.5 lb.
404.65	2 1/2"	6"	SST	14.7 lb.
404.66	3"	6"	SST	16.0 lb.



Core samples are collected into liners.



Plastic Liners, End Caps, & Core Catchers

Part #	Diameter	Length	Item	Weight
405.08	1 1/2"	6"	Liner	0.1 lb.
406.53	1 1/2"	12"	Liner	0.1 lb.
404.18	2"	2"	Liner	0.1 lb.
404.19	2"	3"	Liner	0.1 lb.
404.20	2"	4"	Liner	0.1 lb.
404.21	2"	6"	Liner	0.2 lb.
422.03	2"	8"	Liner	0.2 lb.
422.04	2"	10"	Liner	0.2 lb.
405.10	2"	12"	Liner	0.2 lb.
406.55	2 1/2"	6"	Liner	0.2 lb.
405.09	3"	6"	Liner	0.2 lb.
418.08	1 1/2"		Liner End Cap	0.1 lb.
418.10	2"		Liner End Cap	0.1 lb.
404.85	2 1/2"		Liner End Cap	0.1 lb.
418.09	3"		Liner End Cap	0.1 lb.



Signature Series, Core Sampler Caps

Part #	Diameter	Material	Weight
354.01	1 1/2"	4130	0.8 lb.
354.02	2"	4130	1.2 lb.
354.03	2 1/2"	4130	1.7 lb.
354.04	3"	4130	2.4 lb.



5/8" Threaded, Core Sampler Caps

Part #	Diameter	Material	Weight
404.41	1 1/2"	4130	0.8 lb.
404.36	2"	4130	1.2 lb.
404.43	2 1/2"	4130	1.7 lb.
404.47	3"	4130	2.4 lb.
404.59	1 1/2"	SST	0.8 lb.
404.76	2"	SST	1.2 lb.
404.86	2 1/2"	SST	1.8 lb.
404.57	3"	SST	2.4 lb.



Hex Quick Pin, Core Sampler Caps

Part #	Diameter	Material	Weight
58552	1 1/2"	4130	1.0 lb.
58507	2"	4130	1.6 lb.
58554	2 1/2"	4130	2.0 lb.
58555	3"	4130	2.7 lb.



3/4" Threaded, Core Sampler Caps

Part #	Diameter	Material	Weight
404.361	2"	4130	1.3 lb.
404.431	2 1/2"	4130	1.9 lb.
404.761	2"	SST	1.3 lb.
404.861	2 1/2"	SST	1.9 lb.

Core Sampler Cups

Part #	Diameter	Length	Material	Weight
404.40	1 1/2"	6"	4130	1.2 lb.
404.00	1 1/2"	12"	4130	2.3 lb.
404.32	2"	2"	4130	0.7 lb.
404.33	2"	3"	4130	0.9 lb.
404.34	2"	4"	4130	1.1 lb.
404.35	2"	6"	4130	1.5 lb.
404.54	2"	12"	4130	2.7 lb.
404.42	2 1/2"	6"	4130	2.0 lb.
404.46	3"	6"	4130	2.4 lb.
404.81	1 1/2"	6"	SST	1.3 lb.
404.89	1 1/2"	12"	SST	1.7 lb.
404.77	2"	2"	SST	0.8 lb.
404.78	2"	3"	SST	1.0 lb.
404.80	2"	4"	SST	1.2 lb.
404.79	2"	6"	SST	1.7 lb.
404.84	2"	12"	SST	2.9 lb.
404.82	2 1/2"	6"	SST	1.9 lb.
404.83	3"	6"	SST	2.4 lb.

Core Catchers

Part #	Item	Weight
61876	1 1/2" Core Catcher	0.1 lb.
404.90	2" Core Catcher (eggshell)	0.1 lb.
404.91	2" Core Catcher	0.1 lb.
61884	2 1/2" Core Catcher	0.1 lb.
61885	3" Core Catcher	0.1 lb.

Replacement Slide Hammers

Part #	Item	Weight
350.99	Signature Series Regular Slide Hammer	10.3 lb.
400.99	5/8" Threaded Regular Slide Hammer	10.3 lb.
58506	Hex Quick Pin Slide Hammer	11.2 lb.
57780	3/4" Threaded Pro Series Hammer	10.9 lb.

Multi-Stage Core Sampler

The multi-stage core sampler allows you to collect approximately 2"-diameter relatively undisturbed soil core samples of up to 48" deep when optional 12" multi-stage extension sections are attached. The multi-stage sampler includes a base section, solid cap, core tip, auger tip, universal slip wrench, 2" x 12" plastic liner, and two plastic end caps. This sampler has a diameter of 2 3/8" and accepts a 2" liner. The sampler base, optional extension section (right), vented top cap, and auger tip are made of 300 series stainless steel. The core tip is made of 400 series stainless steel.



5/8" Threaded, Multi-Stage Core Sampler

Part #	Diameter	Length	Item	Weight
403.27	2 3/8"	12"	Multi-Stage Core Sampler	9.2 lb.

Multi-Stage Core Sampler Replacement Parts

Part #	Diameter	Length	Item	Matl	Weight
403.22			Multi-Stage Solid Cap	SST	1.3 lb.
403.24	2"	12"	Multi-Stage Sampler Base	SST	4.1 lb.
403.25			Multi-Stage Core Tip	SST	0.6 lb.
403.26			Multi-Stage Auger Tip	SST	0.6 lb.
405.10	2"	12"	Plastic Liner		0.2 lb.
418.10	2"		Plastic End Caps		0.1 lb.
421.29			Universal Slip Wrench		1.3 lb.

Multi-Stage Core Sampler Accessories

Part #	Diameter	Length	Item	Matl	Weight
403.23	2 3/8"	12"	Multi-Stage Extension Section	SST	3.9 lb.
403.28	2 3/8"		Multi-Stage Valved Core Tip	SST	0.8 lb.
403.29	2 3/8"		Multi-Stage Valved Auger Tip	SST	1.2 lb.
403.16	2 3/8"		Serrated MS SCS Core Tip	SST	0.6 lb.



Multi-Stage Core Sampler

How it all works

Thread the appropriate tip into the multi-stage core sampler body. Thread the extension section into the other end of the sampler body – adding additional sections as necessary. Insert your liner(s) into the extended sampler. Thread the top cap onto the top extension section. Thread your extension(s) to your top cap, and thread your cross handle or slide hammer onto your extension.

Multi-Stage Extension Section

The multi-stage core sampler extension sections have a female top thread and a male bottom thread which allow them to connect to the multi-stage core sampler body, as well as to each other. These extension sections allow the user to extend the sampler body in order to collect samples of longer lengths. Multi-stage extension sections are made of 300-series stainless steel.



#403.23

Multi-Stage Serrated Core Tip



403.16

Serrated core tips provide better cutting action & increase sample recovery in organic sediments where roots & other fibrous debris may be present.

Multi-Stage Serrated Core Tip

Part #

Item

403.16

Multi-Stage Serrated SCS Core Tip



Multi-Stage Valved Core & Auger Tips

The one-way valve core tip and valved auger tip help retain samples in loose, unconsolidated materials when pushing or augering, respectively. These tips are made of 300-series stainless steel. AMS also offers a multi-stage sludge and sediment sampler that uses the same multi-stage sampler base section as the multi-stage core sampler. The multi-stage sludge and sediment sampler has a special vented top cap and allows for the use of a plastic core catcher that improves recovery of relatively undisturbed samples in non-cohesive, saturated materials.



#403.28

#403.29





Split-Core Samplers

Split-core samplers are now available with 3/4" connections as part of the new Professional Sampling Kit (page 50). These samplers have a vertically split cylinder (cup set) that allows for easy extraction of soil cores and minimizes the chance of disturbing the sample. It can be used without a liner to collect relatively undisturbed cores for immediate examination and testing, or with a liner to collect undisturbed samples to be prepared for laboratory analysis. The cup set interlocks and is held together by a vented top cap and tip. Split-core samplers include a cup set, cap, plastic liner, two end caps, universal slip wrench, and an auger tip and/or core tip – depending on the option selected. The cup set, cap and auger tip are made of heavy-wall, 300-series stainless steel; the core tip is 400-series stainless steel. Additional cup sets and couplers are available to collect longer samples.

Sampler ODs are 1/2" larger than liner sizes.

* Split-core samplers are now available with 3/4" connections as part of the new Professional Sampling Kit.



Signature Series, Split-Core Samplers with Core Tip and Auger Tip

Part #	Diameter	Length	Matl	Weight
355.63	2 1/2"	12"	SST	12.0 lb.
355.53	2 1/2"	6"	SST	8.0 lb.
355.62	2"	12"	SST	10.5 lb.
355.52	2"	6"	SST	7.0 lb.
355.61	1 3/8"	12"	SST	8.0 lb.
355.51	1 3/8"	6"	SST	5.0 lb.

Signature Series, Split-Core Samplers with Core Tips

Part #	Diameter	Length	Matl	Weight
355.43	2 1/2"	12"	SST	7.3 lb.
355.33	2 1/2"	6"	SST	7.3 lb.
355.42	2"	12"	SST	11.0 lb.
355.32	2"	6"	SST	6.0 lb.
355.41	1 3/8"	12"	SST	7.5 lb.
355.31	1 3/8"	6"	SST	4.0 lb.

Signature Series, Split-Core Samplers with Auger Tips

Part #	Diameter	Length	Matl	Weight
355.23	2.5"	12"	SST	11.0 lb
355.13	2.5"	6"	SST	7.3 lb.
355.22	2"	12"	SST	9.5 lb.
355.12	2"	6"	SST	6.0 lb
355.21	1 3/8"	12"	SST	7.5 lb
355.11	1 3/8"	6"	SST	4.0 lb.

5/8" Threaded, Split-Core Samplers with Core Tip and Auger Tip

Part #	Diameter	Length	Matl	Weight
403.65	2 1/2"	6"	SST	8.0 lb.
403.67	2.5"	12"	SST	12.0 lb.
403.61	2"	6"	SST	7.0 lb.
403.63	2"	12"	SST	10.5 lb.
403.595	1 3/8"	6"	SST	5.0 lb.
403.596	1 3/8"	12"	SST	8.0 lb.

5/8" Threaded, Split-Core Samplers with Core Tips

Part #	Diameter	Length	Matl	Weight
403.42	2 1/2"	6"	SST	7.3 lb.
403.43	2 1/2"	12"	SST	11.0 lb.
403.40	2"	6"	SST	6.0 lb.
403.41	2"	12"	SST	9.5 lb.
403.591	1 3/8"	6"	SST	4.0 lb.
403.592	1 3/8"	12"	SST	7.5 lb.

5/8" Threaded, Split-Core Samplers with Auger Tips

Part #	Diameter	Length	Matl	Weight
403.57	2.5"	6"	SST	7.3 lb.
403.59	2.5"	12"	SST	11.0 lb.
403.53	2"	6"	SST	6.0 lb.
403.55	2"	12"	SST	9.5 lb.
403.593	1 3/8"	6"	SST	4.0 lb.
403.594	1 3/8"	12"	SST	7.5 lb.



#403.40

Split-Core Coupling

This coupling allows you to thread cup sets together.



#403.73

Split-Core Coupling

Part #	Diameter	Weight
403.602	1 3/8"	0.3 lb.
403.73	2"	0.3 lb.
403.72	2 1/2"	0.4 lb.

Valved Core Tips & Auger Tips

AMS split-core sampler valved tips provide an efficient, affordable sludge sampling option.



#403.74



#403.752

Split-Core Valved Core Tips

Part #	Diameter	Weight
403.756	1 3/8"	0.8 lb.
403.74	2"	1.0 lb.
403.75	2 1/2"	1.2 lb.

Split-Core Valved Auger Tips

Part #	Diameter	Weight
403.758	1 3/8"	1.0 lb.
403.752	2"	1.3 lb.
403.754	2 1/2"	1.7 lb.



Split-Core Sampler Core Tips

Part #	Diameter	Material	Weight
403.51	2 1/2"	SST	0.7 lb
403.50	2"	SST	0.6 lb
403.601	1 3/8"	SST	0.5 lb

Split-Core Sampler Auger Tips

Part #	Diameter	Material	Weight
403.71	2 1/2"	SST	1.0 lb
403.69	2"	SST	0.7 lb
403.60	1 3/8"	SST	0.5 lb



Split-Core Sampler Cup Sets

Part #	Diameter	Length	Material	Weight
403.46	2 1/2"	6"	SST	3.0 lb
403.44	2"	6"	SST	2.5 lb
403.597	1 3/8"	6"	SST	1.9 lb
403.47	2 1/2"	12"	SST	5.7 lb
403.45	2"	12"	SST	5.1 lb
403.598	1 3/8"	12"	SST	4.0 lb



#355.02



#58507



#403.48



#402.35

Professional split-core caps have thicker tops and stronger threads.

Signature Series, Split-Core Sampler Caps

Part #	Diameter	Material
355.01	1 3/8"	SST
355.02	2"	SST
355.03	2 1/2"	SST

Hex Quick Pin, Split-Core Sampler Caps

Part #	Diameter	Material
58556	1 3/8"	SST
58507	2"	SST
58558	2 1/2"	SST

5/8" Threaded, Split-Core Sampler Caps

Part #	Diameter	Material
403.599	1 3/8"	SST
403.48	2"	SST
403.49	2 1/2"	SST

3/4" Threaded, Split-Core Sampler Caps

Part #	Diameter	Material
402.34	1 3/8"	SST
402.35	2"	SST
403.491	2 1/2"	SST

AMS SOIL PROBES

AMS soil probes are the most basic sampling tool for farmers, agricultural consultants, soil scientist, and others requiring a small diameter soil sample. Soil probes provide a simple, fast, and economic method of sample collection for soil profiling, moisture determination, and chemical analysis.

Standard Features:

- Soil probes are made of nickel-plated or unplated chromoly, or they are made entirely of stainless steel.
- All probes utilize 5/8" threaded connections and may be used with AMS 5/8" threaded extensions, cross handles, and slide hammers.
- A 10" powder-coated, rubber-gripped handle is included with all soil probes.
- Samples may be collected directly into the probe, or with certain models, into a liner.
- Liners may be prepared for off-site examination and/or laboratory analysis.
- Some models feature the unique AMS Reach-&-Grab liner removal system.
- All probes feature a heat-treated tip.
- Probe tips create holes larger than the OD of the probe body for easy removal.
- Replaceable-tip options are available for added longevity of the equipment.

Unique probe options:

- Soil ejectors, scoops, and plungers are available for easy sample removal.
- AMS slide hammers, hammer-head cross handles, and adjustable footsteps are available for additional downforce.

AMS Compacted Soil Sampler Complete

Save time and energy in soil conditions where soil probes & slide hammers just won't get the job done! The AMS Compacted Soil Sampler works great for obtaining "composite" soil samples in hard compacted and frozen soils. The 1-1/16" x 21" Flighted Auger with carbide bit may be connected to any 1/2" chuck drill. The entire unit assembles/disassembles in seconds & the stainless steel footplate ensures quality samples & easy decontamination.



AMS Compacted Soil Sampler Complete

Part #	Item	Weight
58080	AMS Compacted Soil Sampler Complete	12.5 lbs.
Drills		
213.86	ECHO EDR-260 Gas Drill	13.3 lbs.
213.81	ECHO EDR-210 Drill	13.0 lbs.
Standard Augers		
21171	Flighted Screw Auger w/ Carbide Tip - 1-1/16" x 21" - w/ - 7/16" Hex Shank	1.50 lbs.
214.46	Flighted Screw Auger w/ Carbide Tip - 1-1/16" X 33" - W/ - 7/16" Hex Shank	2.50 lbs.
Bungee Cords		
21194	Bungee Cord 13"	0.01lbs.
Drill Extensions		
21195	7/16" Hex Quick Connect 12" Drill Bit Extension	1.00 lb.
214.48	7/16" Hex Quick Connect 18" Drill Bit Extension	1.00 lb.
Foot Plate		
58081	Aluminum Bucket Sampler Foot Plate	5.00 lbs.
Sampler Bucket		
58052	Drilled Bucket Sampler Bucket	1.00 lb.
Auger for Wet Soil		
214.47	Screw Auger 1 1/16" x 17" w/ 7/16" Shank	1.50 lbs.



* Kit Includes: (1-1/16" x 21" Flighted Auger w/ Carbide Tip, Aluminium Footplate, 5 gallon Bucket, (2) bungee cords, 12" Quick release extension)

Step Probes

Built-in steps allow for additional pressure to be used to drive step probes into the soil. They are available in one- or two-piece models. The two-piece model includes a 10" rubber-gripped handle. The same handle is welded to the one-piece model. Both step probes have an outer diameter of 7/8" and cut a 1/2" x 12" soil core. They are constructed of nickel-plated chromoly, and have heat-treated tips.

One-Piece Step Probe

Part #	Diameter	Length	Item	Material	Weight
401.42	7/8"	40"	One-Piece Step Probe	Plated	1.9 lb.

5/8" Threaded, Step Probe with Removable Handle

Part #	Diameter	Length	Item	Material	Weight
401.40	7/8"	33"	Step Probe w/ Handle	Plated	2.5 lb.

AMS Gator Probe

The AMS Gator Probe was designed with operator comfort & efficiency in mind. This one of a kind soil probe offers the benefits of a "closed end" soil probe, but the hinged jaw quickly transforms the unit into an "Open Ended" soil probe providing easy access to the entire soil core. Outfitted with a side foot peg allows the user to easily step the probe into the ground. The gator probe is ideal for composite sampling or field extraction of representative cores for subsequent analysis by a soil lab. The overall length of this probe is 42" with a sample recovery length of 12". The ID of the tip when closed is approx. 9/16" while the OD of the probe is 1". This soil probe is constructed of a heavy .109w DOM Steel for extra strength. The entire unit has been finished with nickel plating for added rust resistance. The 10" handle is fitted with rubber grips for operator comfort.

AMS Gator Probe

Part #	Item	Weight
401.45	AMS Gator Probe	4.7 lb.





#401.14

Regular Soil Probes

Regular soil probes are used without liners and have a slot in the body for easy sample recovery. They come with a 10" corrosion-resistant handle, and some include the regular slide hammer. They are also compatible with the hammer-head handle. They resist bending and twisting, and they are made of chromoly, nickel-plated chromoly, or stainless steel.

5/8" Threaded, Regular Soil Probes

Part #	Diameter	Length	Material	Weight
401.04	7/8"	21"	Unplated 4130	1.5 lb.
401.03	7/8"	33"	Unplated 4130	1.9 lb.
401.02	7/8"	21"	4130	1.6 lb.
401.01	7/8"	33"	4130	2.0 lb.
401.11	1 1/8"	24"	4130	2.2 lb.
401.13	7/8"	21"	SST	1.6 lb.
401.15	7/8"	33"	SST	2.0 lb.
401.17	1 1/8"	24"	SST	3.3 lb.

5/8" Threaded, Regular Soil Probes with Regular Slide Hammer

Part #	Diameter	Length	Material	Weight
401.05	7/8"	21"	4130	11.8 lb.
401.07	7/8"	33"	4130	12.2 lb.
401.19	1 1/8"	24"	4130	12.4 lb.
401.14	7/8"	21"	SST	11.7 lb.
401.16	7/8"	33"	SST	12.1 lb.
401.18	1 1/8"	24"	SST	13.5 lb.

5/8" Threaded, Hammer Options

Part #	Item	Weight
400.96	Compact Slide Hammer	7.7 lb.
400.99	Regular Slide Hammer	10.3 lb.
401.27	Hammer-Head Handle	2.1 lb.
11677	Dead Blow Hammer	2.4 lb.



#424.41

Soil Recovery Probe



#424.49

Dual-Purpose Soil Recovery Probe

Dual purpose Probes have a slot

Soil Recovery Probes

Soil recovery probes allow the use of a liner for sample collection, and they feature the AMS Reach-&-Grab system. These probes include the probe body, top cap, a plastic liner, two end caps, and a removable, corrosion-resistant 10" cross handle with rubber grips. They are compatible with 5/8" slide hammers and the AMS hammer-head cross handle. They are made of nickel-plated chromoly or stainless steel. The liners used are 1/8" smaller in diameter than the probe, and are 1 3/4" longer than the sampler length.

5/8" Threaded, Soil Recovery Probes

Part #	Diameter	Length	Material	Weight
424.11	7/8"	12"	4130	2.0 lb.
424.15	7/8"	24"	4130	2.5 lb.
424.03	1 1/8"	12"	4130	2.2 lb.
424.07	1 1/8"	24"	4130	2.8 lb.
424.45	7/8"	12"	SST	2.1 lb.
424.47	7/8"	24"	SST	2.5 lb.
424.41	1 1/8"	12"	SST	2.8 lb.
424.43	1 1/8"	24"	SST	4.4 lb.

Dual-Purpose Soil Recovery Probes

Dual-Purpose soil recovery probes have a slot in the probe body and allow for the collection of samples directly into the probe or into a liner. They feature the AMS Reach-&-Grab system, and use liners that are 1/8" smaller in diameter and 1 3/4" longer than the probe dimensions. They include the probe body, top cap, plastic liner, two end caps, and a 10" cross handle. They are made of nickel-plated chromoly or stainless steel, and they are compatible with 5/8" slide hammers and hammer-head handles.

5/8" Threaded, Dual-Purpose Soil Recovery Probes

Part #	Diameter	Length	Material	Weight
424.27	7/8"	12"	4130	1.9 lb.
424.31	7/8"	24"	4130	2.3 lb.
424.19	1 1/8"	12"	4130	2.0 lb.
424.23	1 1/8"	24"	4130	2.6 lb.
424.53	7/8"	12"	SST	2.0 lb.
424.55	7/8"	24"	SST	2.4 lb.
424.49	1 1/8"	12"	SST	2.8 lb.
424.51	1 1/8"	24"	SST	4.6 lb.

Soil Recovery Probe Replacement Caps

Part #	Diameter	Material	Weight
440.09	7/8"	4130	.55 lb.
424.56	7/8"	SST	.59 lb.
440.08	1 1/8"	4130	.46 lb.
424.57	1 1/8"	SST	.44 lb.



Replaceable Soil Probe Tips

Replaceable tips allow you to increase the lifespan of your equipment, and the variety of tip options allow you to sample in various soil conditions more efficiently. You can increase your recovery by utilizing our standard, mud, clay, oversized, or serrated tips in the appropriate soil conditions. Replacement tips are available for 1" and 1 1/4" AMS replaceable-tip soil probes.



1 1/4" Replaceable Soil Probe Tips

Part #	Diameter	Item	Weight
425.76	1 1/4"	Standard Tip	0.2 lb.
56801	1 1/4"	Oversized Tip	0.2 lb.
56796	1 1/4"	Clay Tip	0.2 lb.
56797	1 1/4"	Mud Tip	0.2 lb.
56826	1 1/4"	Serrated Tip	0.2 lb.

1" Replaceable Soil Probe Tips

Part #	Diameter	Item	Weight
425.74	1"	Standard Tip	0.1 lb.
56803	1"	Oversized Tip	0.1 lb.
56756	1"	Clay Tip	0.1 lb.
56757	1"	Mud Tip	0.1 lb.
56827	1"	Serrated Tip	0.1 lb.

Replaceable-Tip Regular Soil Probe

Replaceable-tip regular soil probes include the probe body, 10" rubber-gripped handle, a 1" zinc-plated standard tip, and a spanner wrench. The probe body is constructed using a thick-walled nickel-plated chromoly.

5/8" Threaded, Replaceable-Tip Regular Soil Probe

Part #	Diameter	Length	Material	Weight
425.50	1"	36"	Plated	4.1 lb.
425.52	1"	36"	Plated	3.8 lb.

**425.52 has a 24" slot (See Below Image)



#425.77: Included with each probe.

Replaceable-Tip Soil Recovery Probes

Replaceable-tip soil recovery probes include the probe body, top cap, 10" rubber-gripped cross handle, plastic liner, two plastic end caps, a zinc-plated standard coring tip, and spanner wrench. The probe body and cap are made of nickel-plated chromoly.

5/8" Threaded, Replaceable-Tip Soil Recovery Probes

Part #	Diameter	Length	Material	Weight
425.45	1 1/4"	12"	Plated	3.2 lb.
425.47	1 1/4"	24"	Plated	4.5 lb.



Replaceable-Tip Dual-Purpose Soil Recovery Probes

Replaceable-tip dual-purpose soil recovery probes include the probe body, top cap, 10" rubber-gripped cross handle, plastic liner, two plastic end caps, zinc-plated standard coring tip, and spanner wrench. The probe body and top cap are made of nickel-plated chromoly.

5/8" Threaded, Replaceable-Tip Dual-Purpose Soil Recovery Probes

Part #	Diameter	Length	Material	Weight
425.65	1 1/4"	12"	Plated	3.0 lb.
425.67	1 1/4"	24"	Plated	4.3 lb.



Equipping the World to Sample the Earth

Hammer-Head Soil Probe Kit

Hammer-Head Replaceable Tip Soil Probe Kit

1" X 36" Plated Rep Tip Probe W/ 24" Window & Hammer Head Handle



Part# 401.075



Part# 425.501



Part# 425.53

The AMS Hammer-Head Soil Probe Kit features a 16"L hammer-head cross handle which can be hammered on with the (included) impact absorbing dead blow hammer. No need to lug around a heavy slide hammer anymore! A standard 10" cross handle with rubber grips also comes in the kit for regular soil conditions. Probe measures 7/8"-dia. x 33"L and is constructed of nickel plated chrome molybdenum. Hammer head is made of high-carbon, stress-proof steel.

The AMS Hammer-Head 'Replaceable Tip' Soil Probe Kit features a 16"L hammer-head cross handle which can be hammered on with the (included) impact absorbing dead blow hammer. A standard 10" cross handle with rubber grips also comes in the kit for regular soil conditions. Probe measures 1"-dia. x 36"L and is constructed of a thick (.109w) chrome molybdenum. Hammer head is made of high-carbon, stress-proof steel. Replaceable tips are made of nickel plated 4130 steel and are heat treated for added durability. A spanner wrench is included to help remove the tip.

The AMS Hammer-Head (Rep. Tip Soil Probe Kit w/ 24" Sample Slot) features a 16"L hammer-head cross handle which can be hammered on with the (included) impact absorbing dead blow hammer. A standard 10" cross handle with rubber grips also comes in the kit for regular soil conditions. Probe measures 1"-dia. x 36"L and is constructed of a thick (.109w) chrome molybdenum. The soil probe in this kit has a 24" slot which allows the end-user to pull 0-24" soil samples in one push.

AMS Hammer-Head Soil Probe Kit

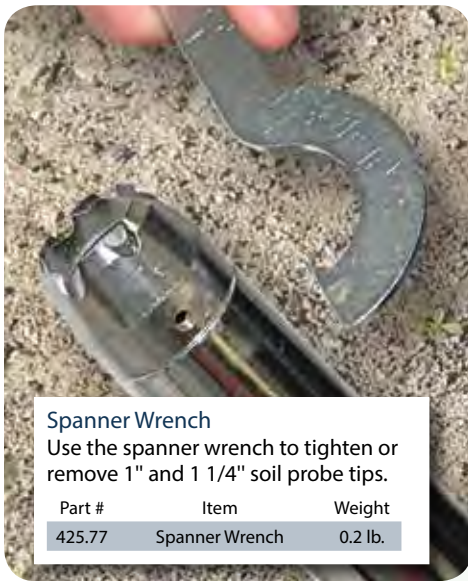
Part #	Item	Weight
401.075	Hammer-Head Soil Probe Kit	10.0 lb.

AMS Hammer-Head Replaceable Tip Soil Probe Kit

Part #	Item	Weight
425.501	Hammer-Head Replaceable Tip Soil Probe Kit	12.0 lb.

1" X 36" Plated Rep Tip Probe W/ 24" Window & Hammer Head Handle

Part #	Item	Weight
425.53	1" X 36" Plated Rep Tip Probe W/ 24" Window & Hammer Head Handle	11.7 lb.



Spanner Wrench

Use the spanner wrench to tighten or remove 1" and 1 1/4" soil probe tips.

Part #	Item	Weight
425.77	Spanner Wrench	0.2 lb.

Replaceable Soil Probe Tips

Replaceable tips allow you to increase the lifespan of your equipment, and the variety of tip options allow you to sample in various soil conditions more efficiently. You can increase your recovery by utilizing our standard, mud, clay, oversized, or serrated tips in the appropriate soil conditions. Replacement tips are available for 1" and 1 1/4" AMS replaceable-tip soil probes.



1" Replaceable Soil Probe Tips

Part #	Diameter	Item	Weight
425.74	1"	Standard Tip	0.1 lb.
56803	1"	Oversized Tip	0.1 lb.
56756	1"	Clay Tip	0.1 lb.
56757	1"	Mud Tip	0.1 lb.
56827	1"	Serrated Tip	0.1 lb.

1 1/4" Replaceable Soil Probe Tips

Part #	Diameter	Item	Weight
425.76	1 1/4"	Standard Tip	0.2 lb.
56801	1 1/4"	Oversized Tip	0.2 lb.
56796	1 1/4"	Clay Tip	0.2 lb.
56797	1 1/4"	Mud Tip	0.2 lb.
56826	1 1/4"	Serrated Tip	0.2 lb.

Mini Soil Probe Kits

They offer a small compact solution for your soil sampling needs. All of the components in these kits are interchangeable and fit inside of a small compact aluminum carrying case (sold separately). The soil probes in these kits measure 1" – dia. X 14" length w/ 12" long sample slot and are constructed of thick (.109w) chromoly steel and have been nickel plated for corrosion resistance. All soil probes have a chamfered plug welded in at the top of the slot. The augers measure 1.250" – dia. X 14" long and are constructed using high carbon steel and a precise heat treating process.

These probes may be used to pre-bore holes in compacted soil conditions. The extension rods in each kit are 7/8" –dia. X 1ft. chromoly steel with 5/8" male/fem threaded connections. Longer extensions are available. The cross handles are powder coated chromoly and measure 1" –dia. X 10" long and have been fitted with rubber grips for operator comfort. Different tips are available for a variety of soil conditions. Choose from (standard, oversized, clay, mud & serrated) tips.



#56975



#56977



#56978

1" X 14" Replaceable Tip Probe W/12" Sample Slot

Includes: 1" –dia. X 14" Soil Probe w/ 12" sample Slot, regular tip, spanner wrench, 10" cross handle with grips

AMS Mini Soil Probe Kit Model 1

(Includes: 1" –dia. X 14" Soil Probe w/ 12" sample Slot, regular tip, 1.25" – dia. X 14" long triple lead flighted auger, spanner wrench, (2) 1ft. extension rods, 10" cross handle with grips

AMS Mini Soil Probe Kit Model 2

Includes: 1" –dia. X 14" Soil Probe w/ 12" sample Slot, regular tip, spanner wrench, (2) 1ft. extension rods, 10" cross handle with grips



#56979



#56976

AMS Mini Spiral Auger Kit Model 3

Includes: 1.25" – dia. X 14" long triple lead flighted auger, (2) 1ft. extension rods, 10" cross handle with grips

AMS Mini Soil Probe Kit Model 4

Includes: 1" –dia. X 14" Soil Probe w/ 12" sample Slot, regular tip, mud tip, clay tip, spanner wrench, (2) 1ft. extension rods, 10" cross handle with grips

Mini Soil Probe Kits

Part #	Diameter	Item
56975	1"	1" X 14" Replaceable Tip Probe W/12" Sample Slot
56977	1"	AMS Mini Soil Probe Kit Model 1
56978	1"	AMS Mini Soil Probe Kit Model 2
56979	1"	AMS Mini Spiral Auger Kit Model 3
56976	1"	AMS Mini Soil Probe Kit Model 4



Sure-Lock Soil Probe Handle

Save your back with the AMS Sure-Lock soil probe handle. Take samples up to 36" deep. Hand-crafted from 1018 steel which has been gold-zinc plated for added rust resistance. The handle height stays at the same level the entire time you're sampling which eliminates back strain. The hand-activated lever allows you to adjust the length of your extension rod. The Sure-Lock system eliminates the possibility of slippage unlike any other foot-pedal operated systems on the market. Choose from three different soil probe models or get them all in the complete sampling kit.

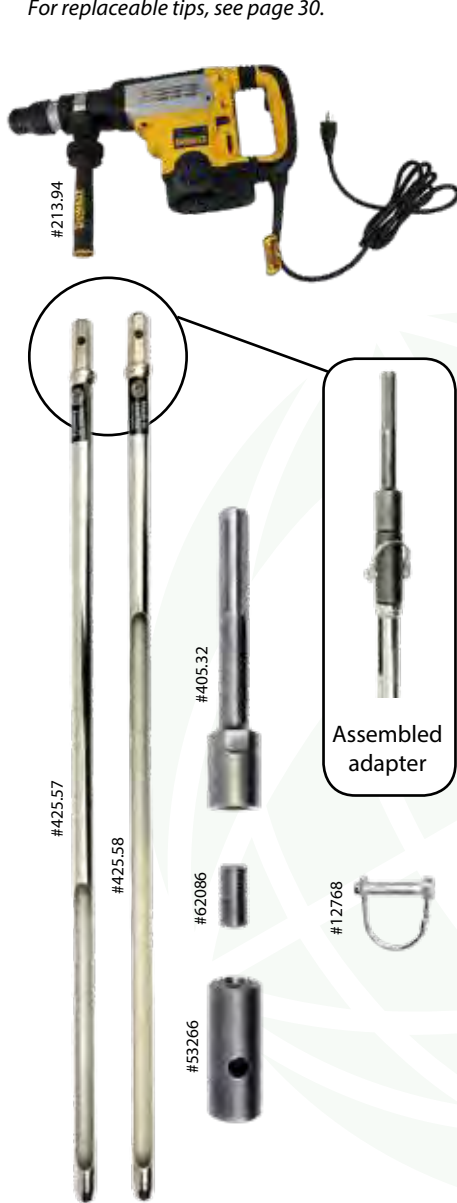
Sure-Lock Soil Probe Parts and Accessories

Part #	Descriptions	Weight
426.27	Sure-Lock Soil Probe Kit (complete)	32 lb.
406.27	Sure-Lock Soil Probe Handle Only	10.75 lb.
401.311	Sure-Lock Open Ended Soil Probe	0.85 lb.
401.31	Sure-Lock Standard Replaceable Tip Soil Probe	0.95 lb.
406.28	Sure-Lock EZ Kleen Soil Probe	0.55 lb.
56756	1" Clay Rep Tip	0.1 lb.
56757	1" Mud Rep Tip	0.1 lb.
56827	1" Serrated Rep Tip	0.1 lb.
56760	7/8" Soil Ejector Spoon	0.45 lb.
430.05	1" x 25" Nylon Brush	0.1 lb.
430.25	AMS Deluxe Carrying Case 1700 Black	16.5 lb.
21199	1/2" - 13 NC Thread Stud with Jam Nut	0.05 lb.
425.77	Spanner Wrench	0.15 lb.



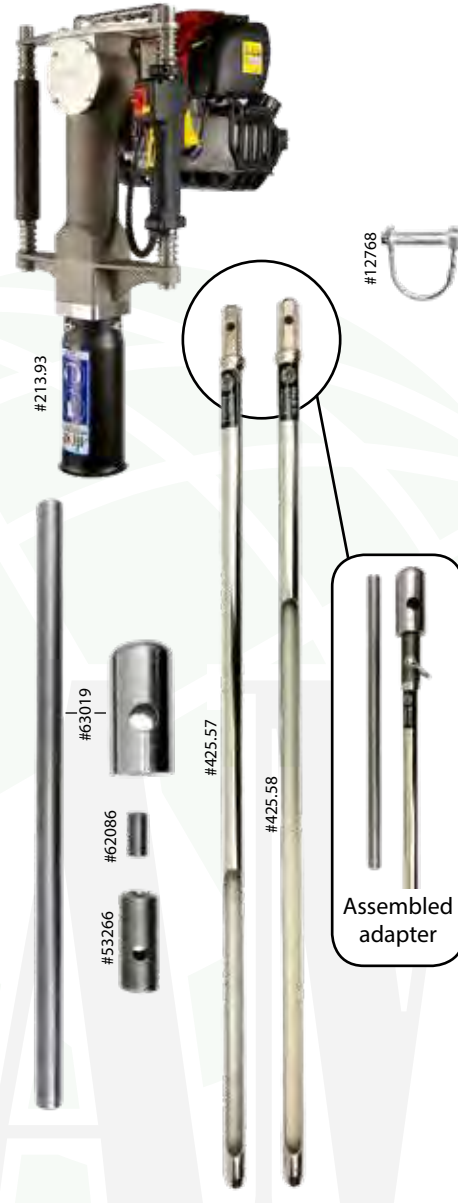
Hex QP Replaceable Tip Soil Probe (Gas Hammer and Hammer Drill Compatible)

The only AMS soil probe that features the Hex QP connection. Hex Quick Pin (Hex QP) is a hardened steel male/female hex connection that accepts standard 3/8" snapper pins or heat treated 3/8" U-clips. It is stronger and faster than standard threaded connections. This probe easily connects to any of the variations shown below. For replaceable tips, see page 30.



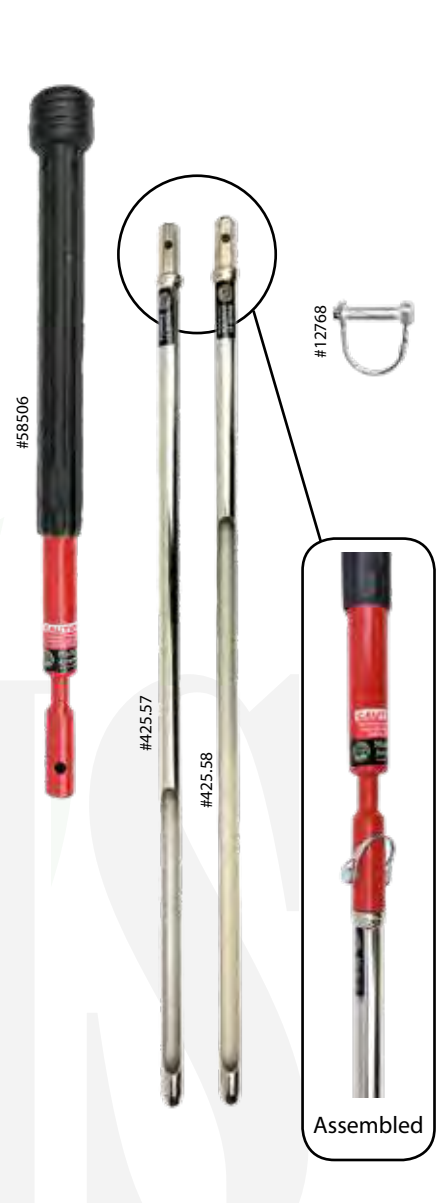
Hammer Drill Option

Part #	Item	Weight
213.94	DeWALT D25763K Rotary Hammer Drill (SDS Max)	32.0 lb.
405.32	SDS Max to 3/4" male adapter	1.15 lb.
53266	Quick Connect female to 3/4" female adapter	0.7 lb.
62086	3/4" male to 3/4" male break stud	0.15 lb.
425.57	Hex QP 1" x 36" Plated Rep. Tip Soil Probe with Handle (12" window)	4.9 lb.
425.58	Hex QP 1" x 36" Plated Rep. Tip Soil Probe with Handle (24" window)	4.6 lb.
12768	3/8" Snapper Pin	0.1 lb.
12767	Heat Treated U-Clip (3/8")	0.1 lb.
211.04	Hex QP T-Jack Adapter	2.0 lb.
211.05	Removable Jack	30.0 lb.



Gas Hammer Option

Part #	Item	Weight
213.93	GP RED! Boss Hammer	35.0 lb.
213.95	GP Hammer Carrying Case	13.0 lb.
63019	GP hammer head cross handle with removable t-handle	6.65 lb.
53266	Quick Connect female to 3/4" female adapter	0.7 lb.
62086	3/4" male to 3/4" male break stud	0.15 lb.
425.57	Hex QP 1" x 36" Plated Rep. Tip Soil Probe with Handle (12" window)	4.9 lb.
425.58	Hex QP 1" x 36" Plated Rep. Tip Soil Probe with Handle (24" window)	4.6 lb.
12768	3/8" Snapper Pin	0.1 lb.
12767	Heat Treated U-Clip (3/8")	0.1 lb.



Manual Option

Part #	Item	Weight
58506	Hex QP Slide Hammer	11.2 lb.
425.57	Hex QP 1" x 36" Plated Rep. Tip Soil Probe with Handle (12" window)	4.9 lb.
425.58	Hex QP 1" x 36" Plated Rep. Tip Soil Probe with Handle (24" window)	4.6 lb.
12768	3/8" Snapper Pin	0.1 lb.
12767	Heat Treated U-Clip (3/8")	0.1 lb.

9110 Ag Probe

The 9110 Ag-Probe is a new model in the AMS PowerProbe line up. It is designed for use in agricultural and environmental sampling. This model can be mounted on most standard UTVs or small pickup trucks that meet the standard weight and height limits. It is also available in a 3-point hitch tractor mount model. The Ag-Probe model is powered by a self-contained gas engine with electric start. It is designed for the user that already owns the carrier vehicle or can be built as a complete package with our AMS Flat Bed with fold down sides to maximize your storage and sampling needs for year-round sampling.

MAST & PROBE

- Probe stroke: 60"
- Down force: 10,000 lbs
- Pull-up force: 14,000 lbs
- Head travel rate up: 10 sec
- Head travel rate down: 12 sec
- Percussion Hammer: 90 ft/lb
- Probe angles: 20°
- Foot vertical stroke: 16"

FRAME DIMENSIONS

- Overall length: 36"
- Overall width: 44.5"
- Overall height (folded): 49"
- Mast extended height: 130"
- Weight: 875 lbs.
- Recommended deck height: 35"
- Overall transport height: 84"

ENGINE

- Horsepower: 13 hp
- Engine rpm setting: 2,500 rpm
- Fuel type: Gasoline
- Fuel capacity: 1 gal
- Hydraulic oil capacity: 5 gal
- Hydraulic oil pressure: 2,000 psi
- Hydraulic flow rate: 10 gpm

Call for pricing on the 9110 Ag Probe



AG Probe Tooling and Accessories

Part #	Descriptions
61808	G7 1 3/4" x 4' Ag SOIL Probe (Female x Female)
61807	G7 1 3/4" Push / Pull Cap
61811	G7 1 3/4" x 2' Extension
61810	G7 1 3/4" Male x Male Coupler
5005.04	1 3/4" EDT No Liner - Standard
5005.046	1 3/4" EDT No Liner - Clay
56650	Ag Probe Tool Kit (includes: 1 portable tool box, 1 knockout tool, 1 cleanout tool, 2 cleaning brushes, 1 scoop shovel)



G7 Heavy Duty Slotted Soil Probes (female x female thread)

sample size = 1 1/2" diameter

Part #	Descriptions
DRIVE CAPS/PULL CAPS	
61807	G7 1 3/4" Push/Pull Cap, male thread
SLOTTED SOIL PROBES	
63033	G7 1 3/4" x 2' AG Soil Probe (12" sample window)
63034	G7 1 3/4" x 3' AG Soil Probe (24" sample window)
61808	G7 1 3/4" x 4' AG Soil Probe (36" sample window)
63032	G7 1 3/4" x 5' AG Soil Probe (48" sample window)
SLOTTED SOIL PROBE EXTENSIONS	
61811	G7 1 3/4" x 2' DP Extension
63031	G7 1 3/4" x 3' DP Extension
62297	G7 1 3/4" x 4' DP Extension
61810	G7 1 3/4" Coupler (male x male)
REPLACEABLE CUTTING SHOES	
5005.04	1 3/4" External Drive Tip - Standard
5005.046	1 3/4" External Drive Tip - Clay

2 1/8" Single Tube Soil Probes with PVC Liners

sample size = 1 1/2" diameter

Part #	Descriptions
DRIVE CAPS/PULL CAPS	
61862	2 1/8" Push/Pull Cap, female thread
LINER SAMPLE BARRELS	
5006.03	2 1/8" x 3' Sample Barrel (DPE)
5006.04	2 1/8" x 4' Sample Barrel (DPE)
CLEAR PVC LINERS	
5006.424	1 1/2" x 3' PVC Liners
5006.425	1 1/2" x 4' PVC Liners
<i>all liners are sold each - per case of 48</i>	
61876	1 1/2" Liner Core Catcher
REPLACEABLE CUTTING SHOES	
5006.07	2 1/8" External Drive Tip - Standard
5006.17	2 1/8" External Drive Top - Clay

2 3/4" Single Tube Soil Probes with PVC Liners

sample size = 2" diameter

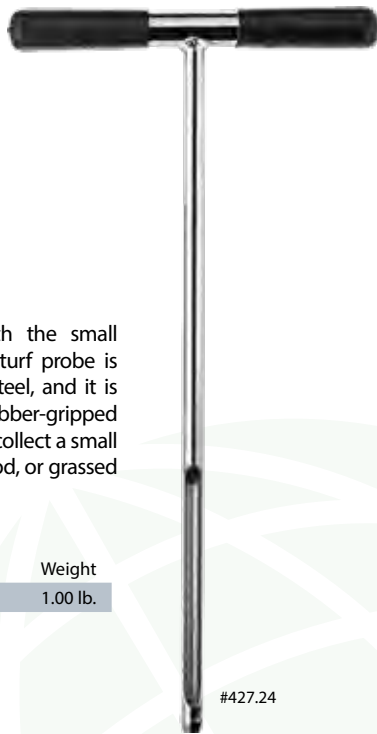
Part #	Descriptions
DRIVE CAPS/PULL CAPS	
61860	2 3/4" Push/Pull Cap, female thread
LINER SAMPLE BARRELS	
5010.03	2 3/4" x 3' Sample Barrel (DPE)
5010.04	2 3/4" x 4' Sample Barrel (DPE)
CLEAR PVC LINERS	
5010.47	2" x 3' PVC Liners
5010.48	2" x 4' PVC Liners
<i>all liners are sold each - per case of 48</i>	
61877	2" Liner Core Catcher
REPLACEABLE CUTTING SHOES	
5010.11	2" External Drive Tip - Standard
5010.12	2" External Drive Tip - Clay

Turf Probe

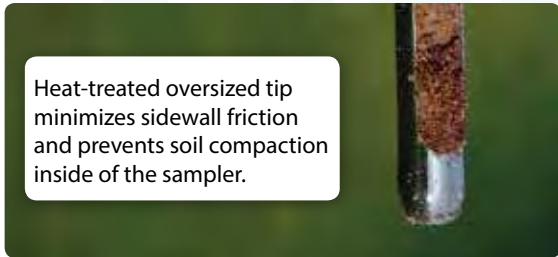
Minimize damage to turf with the small diameter turf probe. The AMS turf probe is made of nickel-plated carbon steel, and it is equipped with a built-in 10" rubber-gripped handle. It has been designed to collect a small 1/2" x 7" soil sample from turf, sod, or grassed areas.

Turf Probe

Part #	Diameter	Length	Weight
427.24	1/2"	20"	1.00 lb.



#427.24



Heat-treated oversized tip minimizes sidewall friction and prevents soil compaction inside of the sampler.

Turf Profiler

The turf profiler is used to collect a replaceable wedge-shaped sample of your turf and grass in one easy step. The one-piece all stainless steel sampler collects a turf sample that is 3 1/4" wide, 5/8" thick, and 7" deep. The sample may be replaced or properly prepared for analysis. The sampler is provided with a detachable plate for easy sample removal. The turf profiler is ideal for soft soil conditions.

Turf Profiler

Part #	Item	Material	Weight
427.75	Turf Profiler	SST	4.1 lb.



#427.75

TDR 350 Soil Sampling / Moisture Kit



#70044

* The TDR 350 Turf Soil Moisture Meter Kit includes the TDR 350 meter, an AMS Turf Probe, two 4.8" SST Rods, two 8.0" SST Rods, and a soft-sided carrying case.

TDR 300 Soil Sampling / Moisture Kit

Part #	Item
70044	TDR 350 Soil Sampling / Moisture Kit
70040	TDR 350 Moisture Meter W/ Carrying Case (does not include Rods)
70043	TDR 150 Moisture Meter w/ Carrying Case (does not include rods)
70041	TDR Rods Two 4.8" (12.0 cm) Rods
70042	TDR Rods Two 8.0" (20.0cm) Rods



#70040



#70043

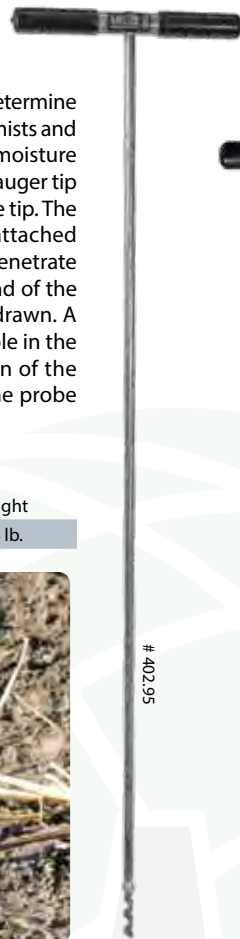
Turf Soil Moisture Meters provide instantaneous readings of root zone soil moisture. They are based on proven time-domain measurement technology. These portable units accurately measure soil moisture across the full range of soil moisture conditions. Select from the 4.8" or 8" (12 or 20-cm) probe rods to suit your desired depth measurement.

Brown Moisture Probe

The brown moisture probe allows you to determine moisture depth quickly and easily. Agronomists and farmers use it to determine the depth of moisture following irrigation. This 43" probe has an auger tip and depth markings at 1', 2' and 3' from the tip. The probe is pushed into the soil using the attached 10" rubber-gripped handle. It will easily penetrate saturated soils but not dry soils. At the end of the push the probe is twisted and then withdrawn. A small ball on the tip helps retain the sample in the auger flights to allow visual confirmation of the moisture condition of the soil sample. The probe is made of unplated carbon steel.

Brown Moisture Probe

Part #	Length	Weight
402.95	42"	2.8 lb.



Open-End Probes

Open-end probes collect shallow soil samples (15" in length). They are primarily used for agricultural applications. The probe body is made from nickel-plated chromoly. The 15" slot in the probe is cut to the end of the probe body to facilitate emptying of the sample. It includes a 10" handle.

5/8" Threaded, Open-End Probes

Part #	Diameter	Length	Material	Weight
401.10	1 1/8"	33"	Plated	4 lb.
401.21	7/8"	33"	Plated	2 lb.

Reinforced Open-End Probes

401.101	1 1/8"	33"	Plated	4 lb.
401.211	7/8"	33"	Plated	2 lb.



Soil Compaction Tester

Get the best crop yield by measuring the extent and depth of subsurface compaction.

Specifications:

- Penetration Depth ~ Up to 24" in 3" increments
- Green Testing Range (0-200 psi) ~ Good growing conditions
- Yellow Testing Range (200-300 psi) ~ Fair growing conditions
- Red Testing Range (300 psi and above) ~ Poor growing conditions
- Two Tips Included ~ {1/2" tip for firm soil} ~ {3/4" tip for soft soil}

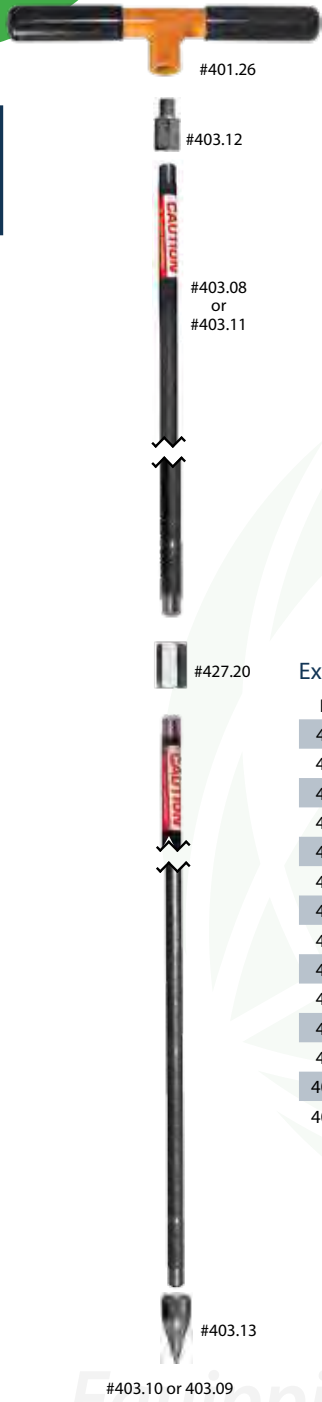
Why Test Soil Compaction?

- Increase yield by increasing root and plant development
- Increase the effectiveness of fertilizers, pesticides and herbicides
- Reduce time and fuel cost by reducing power needed to till a field
- Increase soil water retention

Soil Compaction Tester

Part #	Price
59040	\$ 225.00





Extendible Tile Probes

AMS Extendible Tile Probes are available in (two) different diameters (7/16" & 5/8"). This is the diameter of the extension rods. The diameter of the replaceable "tips" for the 7/16" version is .560" and the diameter of the tip for the 5/8" version is .875". These tile probes are also available in (2) different lengths as well (36" or 48"). They can also be extended if necessary. Meaning multiple 3ft. or 4ft. rods may be connected in order to accomplish greater depths.

AMS Extendible Tile Probes include replaceable thread-on tips (optional round safety ball tips are available upon special request), 3ft. or 4ft. Extension rods (two different diameters), slide hammer adapter, 10" cross handle with comfortable grips (powder coated safety orange). They are constructed of un-plated, high carbon, stress-relieved steel. For accomplishing deeper depths, or where compacted soil may be present; an "optional" - 10lb. rubber coated slide hammer attachment maybe be used. Slide hammers offer a simple method for soil penetration by allowing the user to push or drop the hammer weight down the slide rod to apply force to the extension strand. The slide hammer also provides reverse-hammer capability for easy removal from the ground.

Extendible Tile Probe

Part#	Diameter	Length	Item	Weight
403.06	7/16"	3'	Extendible Tile Probe	2.4 lb.
403.03	7/16"	4'	Extendible Tile Probe	2.9 lb.
403.10	5/8"	3'	Extendible Tile Probe	3.3 lb.
403.09	5/8"	4'	Extendible Tile Probe	4.3 lb.

Extendible Tile Probe Replacement Parts / Accessories

Part #	Diameter	Length	Item	Weight
401.26		10"	Rubber-Gripped Handle	0.9 lb.
403.12			5/8" NC male to 5/8" NF female Adapter	0.3 lb.
426.23	5/8"		5/8" threaded Male to 7/16" Extendible Tile Probe Adapter	0.3 lb.
403.05	7/16"	3'	Tile Probe Extension	1.6 lb.
403.04	7/16"	4'	Tile Probe Extension	2.1 lb.
403.11	5/8"	3'	Tile Probe Extension	3.2 lb.
403.08	5/8"	4'	Tile Probe Extension	4.2 lb.
426.22	7/16"		Coupling	0.1 lb.
427.20	5/8"		Coupling	0.1 lb.
402.90	7/16"		Extendible Tile Probe Tip	0.1 lb.
403.13	5/8"		Extendible Tile Probe Tip	0.2 lb.
400.99			Rubber Coated Slide Hammer Attachment	10 lb.
403.131			5/8" Rounded Safety Tile Probe Tip	0.1 lb.
402.901			7/16" Rounded Safety Tile Probe Tip	0.1 lb.



#402.901



#403.131

AMS Extendible Tile Probes are generally used to locate buried pipes, underground tanks, and utility lines. Other applications may include:

- Preparing Boreholes for Small Diameter Gas Vapor Probes
- Test Holes – Gas Leaks
- Sub-Soil Determination
- Installation of Tree/Shrub Fertilizer
- Preliminary Pinpointing



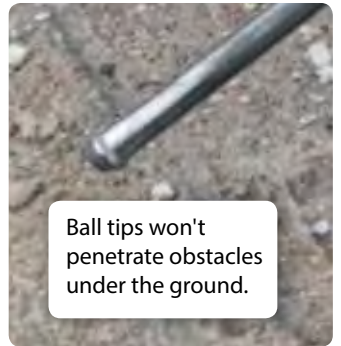
Tile Probes

AMS tile probes are used to locate buried pipes, underground tanks, and utility lines. They are available in high-carbon, stress-relieved steel and fiberglass models. AMS offers one-piece, two-piece, and extendable tile probes.

The AMS 48" fiberglass tile probe features a built-in, rubber-gripped 9" fiberglass handle. It has a 5/8"-diameter pointed steel tip that is 1 3/4" in length. The fiberglass shaft provides some protection from electric shock, should an electric cable be penetrated. One- and two-piece steel tile probes are available. One-piece tile probes have an attached 10" rubber-gripped cross handle. The two-piece probe includes a detachable handle and a 3/8" oversized ball tip that does not penetrate objects under the ground – which helps prevent electric shock and leakages. Steel tile probes are constructed using high-carbon stress-relieved 3/8" steel rods. AMS extendable tile probes are available in 7/16" or 5/8" diameters with 3' or 4' extensions. They are made of unplated, high-carbon, stress-relieved steel. Included with each extendable tile probe are the probe extension, tile probe tip, handle/hammer adapter, and a 10" cross handle. They are used for probing to deeper depths than standard tile probes, and they are also used to prepare boreholes for small diameter soil or gas vapor probes. At deeper depths, use an AMS slide hammer (sold separately).



Pointed steel tips on fiberglass tile probes measures 5/8" x 1 3/4".



Ball tips won't penetrate obstacles under the ground.

Tile Probes

Part #	Diameter	Length	Item	Weight
402.97	5/8"	48"	One-Piece Fiberglass Tile Probes	1.2 lb.
403.02	3/8"	42"	One-Piece Tile Probe	1.7 lb.
403.01	3/8"	60"	One-Piece Tile Probe	2.2 lb.
402.93	3/8"	36"	Two-Piece Tile Probe	1.4 lb.



Hay & Forage Probe

Hay & forage probes are ideal for obtaining 12" or 24" representative core samples for quick visual inspection and laboratory analysis. They use a 7/8" OD probe with a heat-treated serrated tip and chamfered extraction slot. For best results, the sampler should be emptied with the extraction tool after each core has been taken. This will eliminate unnecessary compaction and will provide a more accurate core.

The basic hay probe includes the probe body, 1/2" drill adapter, and hay probe plunger. Core samples from this model are emptied into a bucket or sample bag. The deluxe hay probe includes the probe body, top cap with drill adapter, bottom cap with retainer snap ring, 3" x 12" (1 liter) plastic liner, and two 3" plastic end caps. The plastic liner can hold approximately 20 samples. It is removed by unscrewing the top cap with built-in drill adapter. The sample can be emptied into a bag or the liner can be sealed with plastic end caps and sent to the lab.

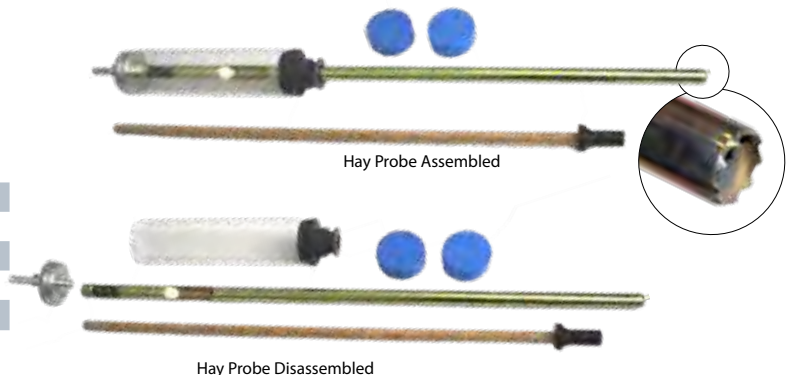
The probe body is made of gold-zinc plated chromoly and has a heat-treated serrated tip. Both models require a 1/2"-chuck drill (24V recommended).



#57051
Collects hay and forage into a plastic liner.

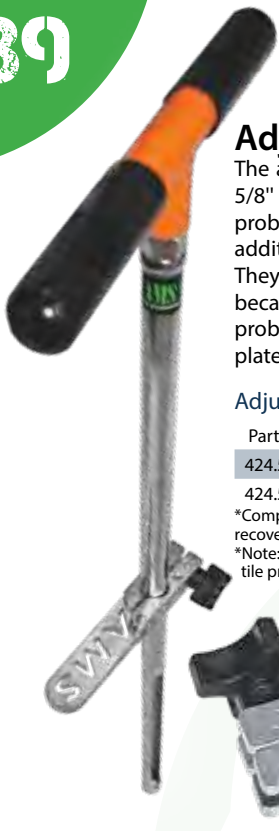
5/8" Threaded Hay Probe

Part #	Diameter	Length	Item	Weight
56864	7/8"	12"	Basic Hay & Forage Probe	1.5 lb.
57067	7/8"	24"	Basic Hay & Forage Probe	2.0 lb.
57051	7/8"	12"	Deluxe Hay & Forage Probe	3.5 lb.
57068	7/8"	24"	Deluxe Hay & Forage Probe	4.0 lb.
57071			Wooden Core Plunger	0.5 lb.



Hay Probe Assembled

Hay Probe Disassembled



Adjustable Footstep

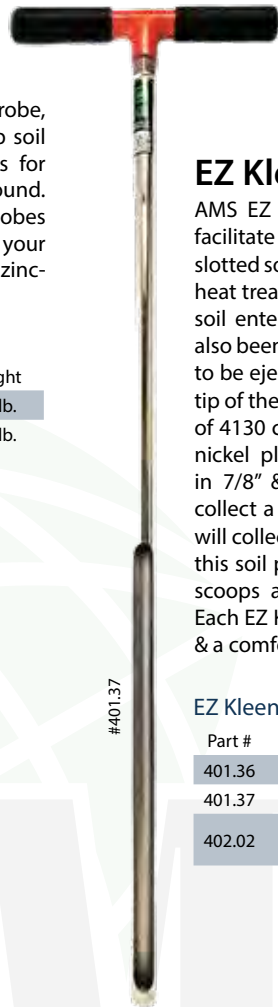
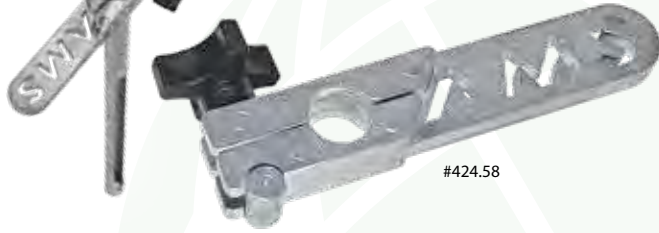
The adjustable footstep is compatible with any 7/8" soil probe, 5/8" threaded extensions, and the 1" x 36" replaceable-tip soil probe. Like built-in steps, the adjustable footstep allows for additional down pressure to drive the probe into the ground. They can also sample deeper below the surface than step probes because the footstep can be adjusted to fit anywhere on your probe or extension. The adjustable footstep is made of zinc-plated steel.

Adjustable Footstep

Part #	Item	Material	Weight
424.58	7/8" Adjustable Footstep	Plated	2.0 lb.
424.59	1" Adjustable Footstep	Plated	2.0 lb.

*Compatible with regular soil probes, soil recovery probes, dual-purpose soil recovery probes, and 1" replaceable-tip regular soil probes.

*Note: The adjustable footstep does not fit AMS gas vapor probe or tile probe extensions. It also will not fit 1 1/8" probes.



EZ Kleen Soil Probe

AMS EZ Kleen Soil Probes have been designed facilitate easy soil core extraction. Unlike standard slotted soil probes; the easy clean has a specialized heat treated tip designed to reduce friction as the soil enters the probe body. The sample slot has also been moved closer to the tip which allows soil to be ejected with ease. "No more clogging at the tip of the soil probe!" This soil probe is constructed of 4130 chrome molybdenum steel and has been nickel plated for corrosion resistance. Available in 7/8" & 1-1/8" diameters. The 7/8" probe will collect a 3/4" x 12" soil core while the 1-1/8" probe will collect a 1" x 12" soil core. The overall length of this soil probe is 33". Soil ejectors and soil ejector scoops are a great accessory for these probes. Each EZ Kleen Soil Probe includes the probe body & a comfortably-gripped cross handle.

EZ Kleen Soil Probes / Accessories

Part #	Item
401.36	7/8" x 33" EZ Kleen Soil Probe
401.37	1 1/8" x 33" EZ Kleen Soil Probe
402.02	33" Soil Ejector for Soil Probe (only for 7/8" Diameter Probe)

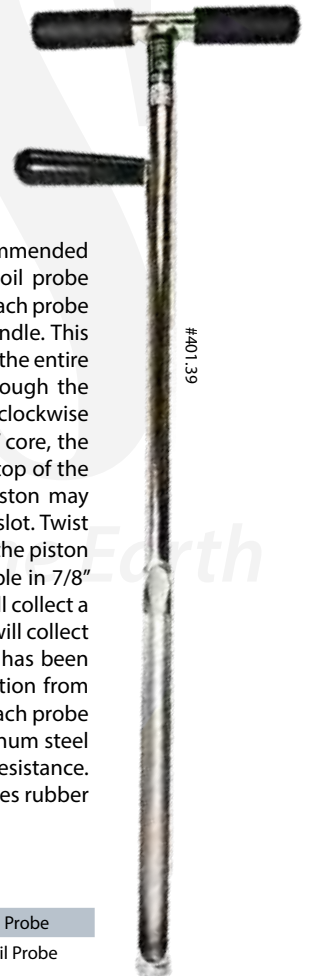


EZ Eject Soil Probe

The AMS EZ Eject Soil Probe is not recommended for sticky soil conditions. This unique soil probe ejects soil samples quickly & efficiently. Each probe has its own internal piston with side handle. This built-in hand plunger allows you to eject the entire soil sample from the slot and even through the tip of the probe. Twist the side handle clockwise to lock the piston in place. For a full 12" core, the piston should be locked in place at the top of the slot. For depth specific samples, the piston may be locked in place anywhere inside the slot. Twist the handle counter-clockwise to loosen the piston and eject your core. This probe is available in 7/8" OD & 1-1/8" diameters. The 7/8" probe will collect a 3/4" x 12" soil core while the 1-1/8" probe will collect a 1" x 12" soil core. The heat treated tip has been redesigned for easier insertion & extraction from the soil. With an overall length of 34.5", each probe is constructed of 4130 chrome molybdenum steel and has been nickel plated for corrosion resistance. The handle is welded in place and includes rubber grips for operator comfort.

EZ Eject Soil Probe

Part #	Item
401.38	7/8" x 33" EZ Eject Soil Probe
401.39	1 1/8" x 33" EZ Eject Soil Probe



AMS Soil Ejector Scoops

The heads of these ejectors fit inside of the slots in 7/8" and 1 1/8" soil probes to help remove soil from their bodies. The reverse side of the ejector is designed to remove the remaining soil from the tip of the soil probe.



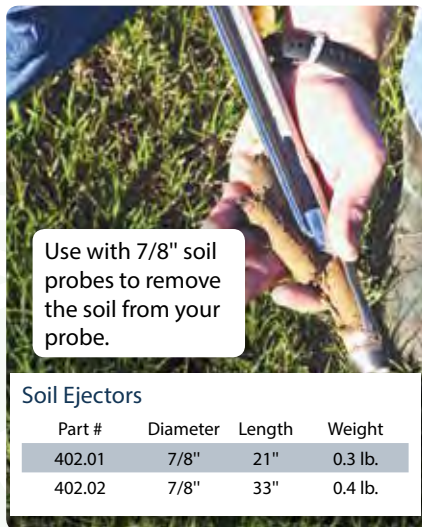
Easily remove soil from 7/8" and 1 1/8" soil probes.

Soil Ejector Scoops

Part #	Diameter	Length	Weight
56760	7/8"	13"	1.0 lb.
56761	1 1/8"	13"	1.0 lb.

AMS Soil Ejectors

Soil ejectors snap inside the slot of the probe and slide up as the sample enters. They are then pushed down to remove the sample from the probe. They are meant to remain inside the probe for subsequent use.



Use with 7/8" soil probes to remove the soil from your probe.

Soil Ejectors

Part #	Diameter	Length	Weight
402.01	7/8"	21"	0.3 lb.
402.02	7/8"	33"	0.4 lb.

Soil Probe Liners

Order liners by the length, diameter, and material type desired. The sizes shown are the retaining cylinder size. They can be used with AMS soil recovery probes, dual-purpose soil recovery probes, replaceable-tip soil probes, and the sand & sediment probe. The 3/4" liners are used with 7/8" soil probes. 1" liners are used with 1 1/8" and 1 1/4" soil probes.

Plastic Liners

Part #	Diameter	Length	Weight
425.07	3/4"	12"	0.1 lb.
425.09	3/4"	24"	0.1 lb.
425.02	1"	12"	0.1 lb.
425.04	1"	24"	0.2 lb.

*Note: No returns are accepted.

End Caps

Plastic (polyethylene) end caps are used with soil probe liners to help retain the integrity of your samples.

End Caps

Part #	Diameter	Weight
425.22	3/4"	0.1 lb.
425.18	1"	0.1 lb.

Hammer-Head Cross Handles, and Slide Hammers

AMS soil probes use a 5/8" threaded connection type, and all AMS soil probes come with a 10" cross handle. The AMS hammer-head cross handle and slide hammers are optional. The lightweight hammer-head cross handle allows the user to push or hammer the attached soil probe into the ground. By hammering the head of the cross handle with an all-purpose, impact-absorbing dead blow hammer, the user can penetrate harder soils than by manually pushing on the probe.

AMS slide hammers also provide an easier means to reach depths in harder, more difficult soil conditions. They may also assist in sample retrieval by allowing the user to back hammer – providing the upward force needed to remove the sampler.



Push or hammer the handle to achieve your desired depth.



Ease strain on your body during the collection and retrieval with an AMS slide hammer.

5/8" Threaded, Hammer-Head Handles

Part #	Size	Item	Weight
401.27	10"	Hammer-Head Handle	2.1 lb.
11677	37 oz	Dead Blow Hammer	2.4 lb.

5/8" Threaded, Slide Hammers

Part #	Item	Weight
400.96	Compact Slide Hammer	7.7 lb.
400.99	Regular Slide Hammer	10.3 lb.



AMS Soil Plungers

Plungers help remove stuck liners from AMS soil probes.

Soil Plungers

Part #	Diameter	Length	Weight
402.21	7/8"	33"	1.1 lb.
402.22	1 1/8"	33"	1.1 lb.

Reach & Grab Removal System

A specially threaded top cap allows the liner to protrude 1 3/4" from the top of the probe body for easy removal without prodding or disturbing the sample. The Reach-&Grab removal system helps improve the integrity of your samples.





Bulk Density Soil Sampling Kit with Hammer Head Handle

Exclusive Features:

Standard AMS Core samplers have a 1"+ gap between the tip of the core sampler and where the sample liner internal shelf begins. The sampler included in this kit has a much shorter 5/16" gap which provides a more representative core and reduces compaction as the soil enters the sampler. Liners and core sampler are held to extremely tight tolerances. Core Sampler Cap has a built in waste barrel which provides a full 2" of relief. This helps eliminate compaction from overdriving the sampler. It also eliminates the need to load multiple rings inside the sampler, which can cause sample blow by and skew sample calculations.

Bulk Density Soil Sampling Kit w/ Hammer Head Handle

Part #	Item	Weight
400.80	Bulk Density Soil Sampling Kit w/ Hammer Head Handle	54.00 lb.

Replacement Parts

Part #	Item	Weight
11677	Dead Blow Hammer 37oz	2.40 lb.
400.07	2 3/4" Regular Auger	2.06 lb.
400.52	2 3/4" Planer Auger	1.58 lb.
401.27	12" Hammer Head Cross Handle (5/8" Thread Connection)	4.30 lb.
404.281	Bulk Density 2" x 2" SST Liner	0.20 lb.
406.04	18" Rubber-Coated Cross Handle (5/8" Thread)	1.25 lb.
418.10	2" Plastic End Cap	0.02 lb.
421.10	Crescent Wrench 12"	1.70 lb.
421.29	Universal Slip Wrench	1.24 lb.
430.07	2" x 12" Nylon Brush	0.20 lb.
408.01	5/8" x 2' Extension	1.16 lb.
400.55	2 1/2" Open Faced Auger	1.29 lb.
55647	Idaho Spoon	0.50 lb.
400.81	2" x 2" Bulk Density Cup	1.35 lb.
400.82	2" Bulk Density Cap	1.35 lb.
430.25	3 ft. AMS Deluxe Carrying Case 1700 Black	18.0 lb.
430.26	Small Aluminum Carrying Case	5.00 lb.





Bulk Density Soil Sampling Kit with Compact Slide Hammer

This unique sampling kit comes with everything necessary to take accurate interval specific core samples to a depth of 3ft. The kit is ideal for sampling the soil surface, in auger holes or in profile pits. The Soil Sample Rings found in this kit are made from .062w SST tubing. These SST sample rings are ideal for laboratory studies and for undisturbed core samples. The volume of each 2" x 2" SST ring is 90.59 cubic centimeters. From this known volume and the weight of the sample liner, you will be able to calculate the bulk density of the soil sample. *An accurate determination of bulk density starts with proper sampling technique to ensure that the sample collected represents the soils natural condition.



Bulk Density Soil Sampling Kit w/ Compact Slide Hammer

Part #	Item	Weight
400.84	Bulk Density Soil Sampling Kit w/ Compact Slide Hammer	54.0 lb.

Replacement Parts

Part #	Item	Weight
400.96	5/8" Compact Slide Hammer	7.68 lb
400.07	2 3/4" Regular Auger	2.06 lb
400.52	2 3/4" Planer Auger	1.58 lb
404.281	Bulk Density 2" x 2" SST Liner	0.20 lb
406.04	18" Rubber-Coated Cross Handle (5/8" Thread)	1.25 lb
418.10	2" Plastic End Cap	0.02
421.10	Crescent Wrench 12"	1.70 lb
421.29	Universal Slip Wrench	1.24 lb
430.07	2" x 12" Nylon Brush	0.20 lb
408.01	5/8" x 2' Extension	1.16 lb
400.55	2 1/2" Open Faced Auger	1.29 lb
55647	Idaho Spoon	0.50 lb
400.81	2" x 2" Bulk Density Cup	1.35 lb
400.82	2" Bulk Density Cap	1.35 lb
430.25	3 ft. AMS Deluxe Carrying Case 1700 Black	18.0 lb
430.26	Small Aluminum Carrying Case	5.00 lb

SAMPLING KITS

AMS soil sampling kits provide complete sampling systems that utilize our most popular augers and sampling equipment.

Most AMS soil sampling kits include soil augers, core samplers, extensions, cross handle, slide hammer, and either a lightweight or heavy-duty carrying case. Carrying cases allow your soil sampling kits to be very portable and easy to keep organized. You can also purchase items from AMS sampling kits individually to replace worn parts or to create your own custom soil sampling kits.

Please make sure any accessories you intend to use with your AMS soil sampling kits use the same connection that are used in the kit.

Mini Soil Auger Kits

These are complete, compact setups for augering to depths of 12' or 16'. Soil auger kits include one regular and one mud auger (2 1/4" or 3 1/4"), four extensions (3' or 4'), an 18" rubber-coated cross handle, and a flexible, poly-canvas carrying case for easy transport and storage. They are available with either signature series, 5/8" threaded, or quick connect connections.



#352.73

Signature Series, Soil Auger Kits

Part#	Diameter	Length	Material	Weight
352.77	2 1/4"	3'		12.0 lb.
352.73	3 1/4"	3'		14.0 lb.
352.79	2 1/4"	4'		12.0 lb.
352.74	3 1/4"	4'		14.0 lb.



#209.32

5/8" Threaded, Soil Auger Kits

Part#	Diameter	Length	Material	Weight
209.73	2 1/4"	3'		11.0 lb.
209.33	2 1/4"	4'		14.0 lb.
209.71	3 1/4"	3'		14.0 lb.
209.31	3 1/4"	4'		14.0 lb.
209.74	2 1/4"	3'	SST	11.0 lb.
209.34	2 1/4"	4'	SST	14.0 lb.
209.72	3 1/4"	3'	SST	14.0 lb.
209.32	3 1/4"	4'	SST	17.0 lb.



#209.36

Quick Connect, Soil Auger Kits

Part#	Diameter	Length	Material	Weight
209.78	2 1/4"	3'		19.0 lb.
209.38	2 1/4"	4'		22.0 lb.
209.76	3 1/4"	3'		19.0 lb.
209.36	3 1/4"	4'		22.0 lb.
209.79	2 1/4"	3'	SST	19.0 lb.
209.39	2 1/4"	4'	SST	19.0 lb.
209.77	3 1/4"	3'	SST	19.0 lb.
209.37	3 1/4"	4'	SST	22.0 lb.



AMS Deluxe Fiberglass Auger Kit

The Deluxe AMS Fiberglass Auger Kit provides some protection against possible electric shock when working in areas where buried electric cables may be present. This kit features the trusted AMS Signature Series thread pattern, which takes 2-1/2 revolutions to connect & disconnect. The two-piece 36-inch Tile Probe (with rounded safety tip) has a detachable plastic handle & zinc plated extension rod. It is ideal for locating irrigation, power and water lines, and it should be used as a primary device to determine whether or not it is safe to use a hand auger at the sampling location. The (two) 4' fiberglass extensions in this kit have been sealed with a protective, non-conductive coating, that is moisture resistant and prevents fiberglass bloom & splintering. The threaded fittings on each extension have been wrench flatted and zinc plated. As an added precaution, insulated gloves are included to eliminate the risk of fiberglass slivers. The Signature Series regular auger & Signature Series mud auger provide versatility in different soil conditions. The 18" rubber coated Signature Series cross handle detaches for convenience while providing comfort during augering. The 4' poly-canvas carrying case allows for easy transportation and protects the fiberglass extensions from the elements & damaging UV rays!

AMS Deluxe Fiberglass Auger Kit

Part #	Item	Weight
209.27	Deluxe Fiberglass Auger Kit	16.0 lb.

AMS Deluxe Fiberglass Auger Kit

Part #	Item	Weight
350.06	3 1/4" Signature Series Regular Auger	2.7 lb.
350.18	3 1/4" Signature Series Mud Auger	2.4 lb.
351.54	18" Signature Series Rubber Coated Cross Handle	1.1 lb.
409.38	4' Signature Series Fiberglass Extension with Signature Series Connections	3.25 lb.
430.32	4' Signature Series Poly Canvas Case	2.0 lb.
402.93	36" Two Piece Tile Probe	1.4 lb.
21150	Insulated Leather Gloves (XL)	0.25 lb.

AMS Deluxe Fiberglass Auger Kit Accessories

Part #	Item	Weight
351.56	18" Signature Ratcheting Cross Handle	2.4 lb.



#209.27



#402.99

3 1/4" Fiberglass Auger Kit

AMS 3 1/4" Fiberglass Auger Kit

Part #	Item	Weight
402.99	3-1/4" Fiberglass Auger Kit	11.6 lb.

The AMS Fiberglass Auger Kit provides some protection against possible electric shock when working in areas where buried electric cables may be present. The one-piece 48" Fiberglass Tile Probe included in the kit is ideal for locating irrigation, power and water lines, and it should be used as a primary device to determine whether or not it is safe to use a hand auger at the sampling location.

Core Sampling Kits

AMS core sampling kits provide all of the components needed to collect a virtually undisturbed soil core sample as deep as 12' into a liner. The kits utilize 5/8" threaded or signature series connections. They include a 3 1/4" regular auger, four 3' chromoly extensions, 18" rubber-coated handle, 2" x 6" core sampler, slide hammer, 2" x 6" plastic liner, two end caps, two 12" crescent wrenches, universal slip wrench, and a flexible poly-canvas carrying case.



#209.07
AMS core sampling kits provide all the components needed to auger to 12' and then collect a virtually undisturbed soil core sample into a liner.

5/8" Threaded, Core & Split-Core Sampling Kits

Part	Diameter	Length	Item	Material	Weight
209.07	3 1/4"	3'	Core Sampling Kit		32.5 lb.
209.05	3 1/4"	3'	Split-Core Sampling Kit	SST	32.5 lb.

Signature Series, Core & Split-Core Sampling Kits

Part #	Diameter	Length	Item	Material	Weight
352.54	3 1/4"	3'	Core Sampling Kit		32.5 lb.
352.55	3 1/4"	3'	Split-Core Sampling Kit		32.5 lb.

Soil Core & Split-Core Sampling Kits Replacement Parts

Part #	Diameter	Length	Item	Material	Weight
406.04		18"	5/8" Rubber-Coated Handle		1.1 lb
351.54		18"	Sig. Rubber-Coated Handle		1.1 lb
400.99			5/8" Regular Slide Hammer		10.3 lb
350.99			Sig. Regular Slide Hammer		10.3 lb
400.06	3 1/4"		5/8" Regular Soil Auger		2.6 lb
417.06	3 1/4"		5/8" Regular Soil Auger	SST	2.6 lb
350.06	3 1/4"		Sig. Regular Soil Auger		2.7 lb
408.02		3'	5/8" Extension		1.7 lb
409.08		3'	5/8" Extension	SST	1.7 lb
351.02		3'	Sig. Extension		1.7 lb
404.10	2"	6"	5/8" Core Sampler		
403.40	2"	6"	5/8" Split-Core Sampler	SST	
354.16	2"	6"	Sig. Core Sampler		
355.32	2"	6"	Sig. Split-Core Sampler	SST	
421.29			Universal Slip Wrench		1.3 lb
421.10		12"	Crescent Wrench		1.7 lb
430.00		3'	Poly-Canvas Case		2.5 lb

Split-Core Sampling Kits

AMS split-core sampling kits provide everything you need to auger to 12' and collect a virtually undisturbed soil core sample into the split-core sampler body or into a liner. The kits utilize 5/8" threaded or signature series connections, and all of the augering and sampling components are made entirely of stainless steel (SST) – except the yellow zinc-coated chromoly signature extensions and signature series augers. The kits include a 3 1/4" regular auger, four 3' extensions, 18" rubber-coated handle, regular slide hammer, 2" x 6" split-core sampler, 2" x 6" plastic liner, two end caps, two crescent wrenches, universal slip wrench, and poly-canvas carrying case. See page 8 for information on 3 1/4" regular and SST soil auger heads, page 23-24 for more information on split-core samplers, and pages 93-94 for information about AMS handles, extensions, and slide hammers.



#403.40
Split-core sampling kits allow for immediate examination of your collected soil sample.



#209.05

#352.55

Basic Soil Sampling Kits

AMS basic sampling kits provide everything you'll need to auger to a target depth as deep as 12' and obtain a relatively undisturbed soil core sample. The kits are used worldwide by soil scientists, agronomists, and construction companies for site investigations.



Signature Series, Basic Soil Sampling Kits

Part #	Diameter	Item	Weight
352.53	2 1/4"	Signature Basic Soil Sampling Kit	56.0 lb.
352.51	3 1/4"	Signature Basic Soil Sampling Kit	60.0 lb.

Signature Series, Basic Soil Sampling Kits Replacement Parts and Accessories

Part #	Diameter	Length	Item	Weight
350.08	2 1/4"		Sig. Regular Auger	1.7 lb.
350.20	2 1/4"		Sig. Mud Auger	1.6 lb.
350.42	2 1/4"		Sig. Sand Auger	1.7 lb.
350.06	3 1/4"		Sig. Regular Auger	2.7 lb.
350.18	3 1/4"		Sig. Mud Auger	1.6 lb.
350.40	3 1/4"		Sig. Sand Auger	2.6 lb.
354.15	1 1/2"	6"	Sig. Core Sampler Cup & Cap	2.1 lb.
404.10	2"	6"	Sig. Core Sampler Cup & Cap	2.9 lb.
351.54		18"	Sig. Rubber-Coated Cross Handle	1.1 lb.
350.99			Sig. Series Reg. Slide Hammer	10.3 lb.
351.03		4'	Sig. Series Extension	1.7 lb.
421.10		12"	Crescent Wrench	1.7 lb.
421.29			Universal Slip Wrench	1.3 lb.
430.11	1 1/2"	12"	Nylon Brush	0.2 lb.
430.07	2"	12"	Nylon Brush	0.2 lb.
430.01			AMS Deluxe Carrying Case 1750	29.0 lb.
EXPENDABLES				
405.08	1 1/2"	6"	Plastic Liner	0.1 lb.
404.21	2"	6"	Plastic Liner	0.2 lb.
418.08	1 1/2"		Plastic End Cap	0.1 lb.
418.10	2"		Plastic End Cap	0.1 lb.
ACCESSORIES				
351.56		18"	Sig. Series Ratcheting Cross Handle	2.4 lb.

5/8" Threaded, Basic Soil Sampling Kits

Part #	Diameter	Item	Weight
209.53	2 1/4"	Basic Soil Sampling Kit	56.0 lb.
209.51	3 1/4"	Basic Soil Sampling Kit	60.0 lb.

5/8" Threaded, Basic Soil Sampling Kits Replacement Parts and Accessories

Part #	Diameter	Length	Item	Weight
400.08	2 1/4"		5/8" Thread Regular Auger	1.7 lb.
400.20	2 1/4"		5/8" Thread Mud Auger	2.3 lb.
400.42	2 1/4"		5/8" Thread Sand Auger	1.7 lb.
400.06	3 1/4"		5/8" Thread Regular Auger	2.6 lb.
400.18	3 1/4"		5/8" Thread Mud Auger	2.3 lb.
400.40	3 1/4"		5/8" Thread Sand Auger	2.6 lb.
404.38	1 1/2"	6"	Core Sampler Cup & Cap	2.9 lb.
404.10	2"	6"	Core Sampler Cup & Cap	2.9 lb.
406.04		18"	Rubber-Coated Cross Handle	1.3 lb.
400.99			5/8" Thread Reg. Slide Hammer	10.3 lb.
408.03		4'	5/8" Thread Extension	2.3 lb.
421.10		12"	Crescent Wrench	1.7 lb.
421.29			Universal Slip Wrench	1.3 lb.
430.11	1 1/2"	12"	Nylon Brush	0.2 lb.
430.07	2"	12"	Nylon Brush	0.2 lb.
430.01			AMS Deluxe Carrying Case 1750	29.0 lb.
EXPENDABLES				
405.08	1 1/2"	6"	Plastic Liner	0.1 lb.
404.21	2"	6"	Plastic Liner	0.2 lb.
418.08	1 1/2"		Plastic End Cap	0.1 lb.
418.10	2"		Plastic End Cap	0.1 lb.
ACCESSORIES				
406.80		18"	5/8" Thread Ratcheting Cross Handle	2.1 lb.

#209.55



Environmental Soil Sampling Kits

These kits are used for sampling in soils where there is potential for contamination below the ground surface. They use stainless steel (SST) components that allow for easy decontamination.

5/8" Threaded, Environmental Soil Sampling Kits

Part #	Diameter	Item	Material	Weight
209.57	2 1/4"	Environmental Soil Sampling Kit	SST	58.0 lb.
209.55	3 1/4"	Environmental Soil Sampling Kit	SST	62.0 lb.
209.58	2 1/4"	Deluxe Environmental Soil Sampling Kit	SST	68.0 lb.
209.56	3 1/4"	Deluxe Environmental Soil Sampling Kit	SST	72.0 lb.

5/8" Threaded, Environmental Soil Sampling Kits Replacement Parts and Accessories

Part #	Diameter	Length	Item	Material	Weight
417.04	2 1/4"		5/8" Thread Regular Auger	SST	1.7 lb.
418.04	2 1/4"		5/8" Thread Mud Auger	SST	1.7 lb.
420.04	2 1/4"		5/8" Thread Sand Auger	SST	1.8 lb.
417.06	3 1/4"		5/8" Thread Regular Auger	SST	2.6 lb.
418.06	3 1/4"		5/8" Thread Mud Auger	SST	2.3 lb.
420.06	3 1/4"		5/8" Thread Sand Auger	SST	2.6 lb.
403.591	1 3/8"	6"	Split-Core Sampler with Core Tip	SST	4.0 lb.
403.40	2"	6"	Split-Core Sampler with Core Tip	SST	6.0 lb.
406.04		18"	Rubber-Coated Cross Handle		1.3 lb.
400.99			5/8" Thread Reg. Slide Hammer		10.3 lb.
409.09		4'	5/8" Thread Extension	SST	2.2 lb.
421.10		12"	Crescent Wrench		1.7 lb.
421.29			Universal Slip Wrench		1.3 lb.
430.21	1 1/2"	12"	Brush	SST	0.2 lb.
430.17	2"	12"	Brush	SST	0.2 lb.
430.01			Deluxe Carrying Case 1750		29.0 lb.
EXPENDABLES					
406.56	1 3/8"	6"	Plastic Liner		0.1 lb.
404.21	2"	6"	Plastic Liner		0.2 lb.
418.11	1 3/8"		Plastic End Cap		0.1 lb.
418.10	2"		Plastic End Cap		0.1 lb.
ACCESSORIES					
406.80		18"	5/8" Thread Ratcheting Handle		2.1 lb.



#424.38

Soil Classification Kit

The signature series soil classification kit was assembled for in situ soil investigations to depths of 12'. This ergonomic, user-friendly kit was built with operator comfort and efficiency in mind.

Signature Series, Soil Classification Kit

Part #	Item	Weight
424.38	Signature Series Soil Classification Kit	66.0 lb.

Sig. Series, Soil Classification Kit Replacement Parts

Part #	Diameter	Length	Item	Weight
350.07	2 3/4"		Sig. Regular Auger	2.1 lb.
350.19	2 3/4"		Sig. Mud Auger	1.9 lb.
400.57	2 1/2"		Sig. Open Faced Auger	1.3 lb.
351.03		4'	Sig. Extension	1.7 lb.
351.56		18"	Sig. Ratcheting Cross Handle	2.4 lb.
350.99			Sig. Regular Slide Hammer	10.3 lb.
355.32	2"	6"	Split-Core Sampler with Core Tip	6.0 lb.
403.10	5/8"	3'	5/8" Thread Extendable Tile Probe Complete w/ 5/8" Cross Handle	3.3 lb.
404.21	2"	6"	Plastic Liner	0.2 lb.
418.10	2"		Plastic End Cap	0.1 lb.
421.10		12"	Crescent Wrench	1.7 lb.
421.29			Universal Slip Wrench	1.3 lb.
430.17	2"	12"	Brush SST	0.2 lb.
504.00			Munsell® Soil Binder with Chart	0.8 lb.
55647			Idaho Spoon	0.5 lb.
430.01			Deluxe Carrying Case 1750	29.0 lb.
21151			Wire Cleaning Brush	0.25 lb.



#424.38



#206.20

3 1/4" Hex Quick Pin Basic Sampling Kit

You asked for it and we listened. No more threaded connections! The New AMS 3-1/4" Hex Quick Pin Sampling Kit allows for collection of both disturbed & relatively undisturbed core samples down to a depth of 12'. This kit features hardened steel male/female hex connections that accept standard 3/8" snapper pins or heat treated 3/8" U-clips. The simplicity of the snap pins is unmatched for hand auger applications, while the heat treated 3/8" U-clips will allow you to hammer & reverse hammer your core sampler with confidence. Both of these connections offer easy assembly/disassembly on site & will allow you to accomplish your sampling task quicker & more efficiently. The kit comes with three different auger types (regular, mud, sand) and enough extensions to auger down to a depth of 12'. Other kit components include a 2" x 6" core sampler with slide hammer attachment, hex quick pin cross handle, cleaning brush, universal slip wrench, ball pein hammer (for knocking U-clips in & out), (5) standard 3/8" snapper pins, (5) heat treated 3/8" U-clips. All of these components fit securely in a foam lined, poly-reinforced carrying case with handles and wheels for added portability.



AMS Hex Quick Pin Sampling Kit

Part #	Item	Weight
206.20	3 1/4" Hex Quick Pin Sampling Kit	65.0 lb.

AMS Hex Quick Pin Sampling Kit Replacement Parts

Part #	Item	Weight
11678	Ball Pein Hammer 16 oz	1.0 lb.
12767	Heat Treated U-Clip	0.1 lb.
12768	Snapper Pin	0.1 lb.
404.21	2" X 6" Plastic Liner	0.12 lb.
404.35	2" X 6" SCS Cup	1.48 lb.
58507	2" Hex Quick Pin Core Sampler Cap	1.62 lb.
418.10	2" Plastic End Cap	0.01 lb.
421.29	Universal Slip Wrench	1.24 lb.
430.01	AMS Deluxe Carrying Case 1750	28.9 lb.
430.07	2" X 12" Nylon Brush	0.2 lb.
58501	3 1/4" Hex Quick Pin Regular Auger	2.9 lb.
58502	3 1/4" Hex Quick Pin Mud Auger	2.64 lb.
58503	3 1/4" Hex Quick Pin Sand Auger	2.64 lb.
58504	18" Hex Quick Pin Rubber Coated Cross Handle	1.75 lb.
58505	Hex Quick Pin 4' Extension	3.15 lb.
58506	Hex Quick Pin Slide Hammer	11.2 lb.

AMS Hex Quick Pin Sampling Kit Accessories

Part #	Item	Weight
306.071	Hex Quick Pin Ratcheting Cross Handle	3.86 lb.





#424.34



#424.33

5/8" Threaded, Soil Fertility Slide Hammer Kits

Part #	Diameter	Item	Weight
424.36	1"	Soil Fertility Kit with Compact Slide Hammer	22.0 lb.
424.34	1 1/4"	Soil Fertility Kit with Compact Slide Hammer	22.0 lb.

5/8" Threaded, Soil Fertility Hammer-Head Kits

Part #	Diameter	Item	Weight
424.35	1"	Soil Fertility Kit with Hammer-Head Handle	22.0 lb.
424.33	1 1/4"	Soil Fertility Kit with Hammer-Head Handle	22.0 lb.

5/8" Threaded, Soil Fertility Kits Replacement Parts

Part #	Diameter	Length	Item	Weight
424.62			AMS Small Carrying Case	5.7 lb.
401.26		10"	5/8" Thread Cross Handle w/ Grips	0.9 lb.
400.96			5/8" Thread Compact Slide Hammer	7.7 lb.
401.27		12"	5/8" Thread Hammer-Head Handle	4.3 lb.
11677			Dead Blow Hammer (37 oz.)	2.4 lb.
408.01		2'	5/8" Thread Extension	1.2 lb.
424.60	1 1/4"	18"	Triple-Lead Flighted Auger	2.0 lb.
424.61	1 1/2"	18"	Triple-Lead Flighted Auger	2.0 lb.
430.11	1 1/2"	12"	Nylon Brush	0.1 lb.
1002.10	3/4"	12"	Nylon Brush (Tapered)	0.1 lb.
424.58			Adjustable Foot Step	2.0 lb.
56975	1"	14" (w/ 12" window)	5/8" Thread Soil Fertility Probe	1.3 lb.
56994	1 1/4"	14" (w/ 12" window)	5/8" Thread Soil Fertility Probe (accepts plastic liner)	1.9 lb.
56803	1"		Reg. Oversized Replacement Tip	0.1 lb.
56756	1"		Clay Replacement Tip	0.1 lb.
56757	1"		Mud Replacement Tip	0.1 lb.
56827	1"		Serrated Replacement Tip	0.1 lb.
56801	1 1/4"		Reg. Oversized Replacement Tip	0.2 lb.
56796	1 1/4"		Clay Replacement Tip	0.2 lb.
56797	1 1/4"		Mud Replacement Tip	0.2 lb.
56826	1 1/4"		Serrated Replacement Tip	0.2 lb.
56760	7/8"		Soil Ejector Scoop	1.0 lb.
56761	1 1/8"		Soil Ejector Scoop	1.0 lb.
425.77			Spanner Wrench	0.1 lb.
425.02	1"	12"	Plastic Liner	0.1 lb.
425.18	1"		Plastic End Cap	0.1 lb.



#424.33

#424.34

Soil fertility kits include either a compact slide hammer or hammer-head cross handle and dead blow hammer. Both versions are available with either a 1" or 1 1/4" probe and tips. The 1 1/4" kits include a plastic liner and end caps. The 1in kits do not use liners.

Soil Fertility Kits

AMS soil fertility kits are used by agronomists and others specializing in soil fertility. They provide everything you need for cutting and drawing samples from a variety of soil conditions. AMS soil fertility kits include a replaceable-tip soil probe (1" x 14" or 1 1/4" x 14"), along with a standard tip, clay tip, mud tip, and a serrated tip. The four tips included in each kit will allow you to increase and improve your sample recovery in a variety of soil conditions. The kits also come with a 10" cross handle, 2' extension, adjustable foot step, soil ejector scoop (7/8" or 1 1/8"), cleaning brush (3/4" x 12" or 1 1/2" x 12"), spanner wrench, triple-lead flighted auger (1 1/4" x 18" or 1 1/2" x 18"), compact carrying case and either the AMS compact slide hammer or hammer-head cross handle. Plastic liners and end caps are included with 1 1/4" kits, but are not used with 1" kits. In soft, moist, or tilled soils, use the 10" handle and, if needed, the adjustable footstep. Either the slide hammer or the hammer-head cross handle and dead blow hammer are used to pound the soil fertility probe into dry, hard-packed soils. The slide hammer also allows you to reverse hammer to assist in retrieving the sampler.

Professional Soil Sampling Kits



This kit is designed for soil sampling professionals who want the strongest, most durable connection on all of their new and improved augers, extensions, cross handles, slide hammers, and split-core samplers. They are AMS's newest and most impressive soil sampling kits to date.

AMS professional series sampling kits come with 3/4" threaded professional regular auger and mud auger (2 1/4" or 3 1/4"), as well as three 4' extensions, 18" rubber-coated cross handle, 10 lb. slide hammer, split-core sampler (2" x 6" or 1 3/8" x 6"), plastic liner, two end caps, rock breaker kit, cleaning brush, universal slip wrench, and two adjustable crescent wrenches. All of the components fit into an included AMS deluxe carrying case with handles and wheels for added portability.

All of the AMS professional series components have been made stronger and more durable than our standard components, and they feature AMS's strongest, most durable connection type. Professional series augers have been beefed up from bit to bale. They feature the trusted AMS 3/4" threaded connection and have thicker (11 gauge) cutting teeth with stronger welds and extra tungsten carbide hard surfacing. They are also reinforced with extra gussets that are welded at both the top and bottom of the bail. These gussets help prevent the bail from bending or twisting when augering into hard or rocky soils, or when the augered hole is exceptionally deep.

The professional series 3/4" threaded extensions are constructed of a larger 1" diameter chrome molybdenum tubing and are powder-coated safety orange for added rust resistance. The redesigned 10 lb. rubber-coated slide hammer is equipped with a more robust 3/4"-diameter inner slide bar that makes it more reliable and prevents bending of the bar. The new split-core sampler caps include a thicker (.800") top cap than our standard split-core samplers. The thicker top cap is designed to match up with the larger 3/4" threaded female connection of the new professional slide hammer to provide increased durability. The cap works with regular split-core cup sets. Split-core sampler dimensions are based on the OD of their liner. The OD of the sampler can be up to 1/2" larger. The AMS 3/4" connection may also be added to core samplers as well as other components for only \$25.

Contact AMS customer service for more information.

3/4" Threaded, Professional Soil Sampling Kits

Part #	Diameter	Item	Weight
402.23	2 1/4"	3/4" Thread, Professional Soil Sampling Kit	59.0 lb.
402.24	3 1/4"	3/4" Thread, Professional Soil Sampling Kit	63.0 lb.

3/4" Threaded, Professional Soil Sampling Kits Replacement Parts and Accessories

Part #	Diameter	Length	Item	Material	Weight
402.25	3 1/4"		3/4" Thread, Professional Regular Auger		2.9 lb.
402.26	2 1/4"		3/4" Thread, Professional Regular Auger		1.5 lb.
402.27	3 1/4"		3/4" Thread, Professional Mud Auger		2.6 lb.
402.37	2 1/4"		3/4" Thread, Professional Mud Auger		1.5 lb.
402.29	1 3/8"	6"	3/4" Split-Core Sampler w/ Core Tip	SST	2.9 lb.
402.30	2"	6"	3/4" Split-Core Sampler w/ Core Tip	SST	6.0 lb.
402.34	1 3/8"		3/4" Split-Core Cap	SST	0.7 lb.
402.35	2"		3/4" Split-Core Cap	SST	1.0 lb.
402.31		18"	3/4" Thread, Rubber-Coated Handle		1.3 lb.
406.87		18"	3/4" Thread, Ratcheting Cross Handle		2.5 lb.
57780			3/4" Thread, Professional Slide Hammer		10.3 lb.
402.32		4'	3/4" Thread Extension	coated	2.5 lb.
402.33		3'	3/4" Thread Extension	coated	2.0 lb.
424.001			3/4" Thread, Rock Breaker Kit		1.5 lb.
421.10		12"	Crescent Wrench		1.7 lb.
421.29			Universal Slip Wrench		1.3 lb.
430.21	1 1/2"	12"	Brush	SST	0.2 lb.
430.17	2"	12"	Brush	SST	0.2 lb.
430.01			Deluxe Carrying Case 1750		29.0 lb.
EXPENDABLES					
406.56	1 3/8"	6"	Plastic Liner		0.2 lb.
404.21	2"	6"	Plastic Liner		0.2 lb.
418.11	1 3/8"		Plastic End Cap		0.1 lb.
418.10	2"		Plastic End Cap		0.1 lb.



#402.24



#360.01

Gas Powered Core Sampling Kit

The AMS Gas Powered Core Sampling Kit with gasoline powered Gas Powered REDI Boss Hammer is ideal for obtaining core samples up 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) 14in. 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.

Gas Powered Core Sampling Kit

Part #	Weight
360.01	165 lb.

**Achievable depth is dependent on soil conditions.*



Uses for the Gas Powered Core Sampling Kit

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.

Gas Powered Core Sampling Kit

Part #	Item	Weight
360.01	Gas Powered Core Sampling Kit	165 lb.

Gas Powered Core Sampling Kit Replacement Parts

Part #	Item	Weight
430.01	4 ft. AMS Deluxe Carrying Case 1750	28.00 lb.
430.25	3 ft. AMS Deluxe Carrying Case 1700 Black	18.00 lb.
418.08	1 1/2" Plastic End Cap	0.40 lb.
61876	1 1/2" Plastic Core Catcher (white, soft)	0.10 lb.
5006.84	Steel T-Handle, 3/8" Thread	0.15 lb.
5009.09	Brush for 2 1/8" or 2 3/8" DP Extensions	0.10 lb.
5009.20	4' Rod for Accessories 3/8"	1.50 lb.
5618.118	SBS Internal Rod (Part K)	0.50 lb.
5006.423	1 1/2" x 2' PVC Liner (Box of 96)	0.42 lb.
5006.425	1 1/2" x 4' PVC Liner	0.66 lb.
213.93	Gas Powered REDI Boss Hammer with 3 1/8" Barrel Includes Friction Fit 2" Reducer Sleeve for 3 1/8" Barrel	35.00 lb.
14327	Pipe Wrench 14"	2.50 lb.
61453	GP Slotted Sampler Tube 4'	10.70 lb.
61451	GP Upper Extension	6.80 lb.
61448	GP Lower Extension	6.80 lb.
57875	Clean Out Spoon	0.65 lb.
61449	GP Drive Head Adapter	7.65 lb.
61450	GP EDT	0.75 lb.
61642	GP Liner Retainer Coupler	1.05 lb.
61568	2" Foot Jack Shackles	7.90 lb.
61431	AMS Foot Jack Only	11.60 lb.

Accessories

Part #	Item	Weight
213.96	COBRA Pro Gas Breaker 1 1/4" x 6" Shank	50.00 lb.
213.97	Hammer Anvil Cobra Pro 1 1/4" x 6"	5.00 lb.
213.95	GP Hammer Carrying Case w/ Fuel Can - REDI Box	13.0 lb.





#209.63



Flighted Auger Kits

AMS 2" flighted auger kits are equipped to drill access holes up to 9' and collect soil samples into liners using the 1 1/2" x 6" core sampler. They include 5/8" threaded male to SDS-Max adapter, 1 1/2" x 6" core sampler, slide hammer, 2" flighted lead auger with hard surfaced tip, 2" carbide tip, two 2" x 3' flighted extensions, three 5/8" x 4' extensions, universal slip wrench, 1 1/2" x 12" nylon brush, and deluxe carrying case. Some kits also include a DeWalt D25763K rotary hammer drill. Additional extensions may be added to obtain deeper depths.

5/8" Threaded, Flighted Auger Kits

Part #	Diameter	Item	Material	Weight
209.61	2"	Flighted Auger Kit with DeWalt D25763K		103.0 lb.
209.10	2"	Flighted Auger Kit (without Drill)		66.0 lb.
209.63	2"	Flighted Auger Kit with DeWalt D25763K	SST	110.0 lb.
209.13	2"	Flighted Auger Kit (without Drill)	SST	66.0 lb.

Flighted Auger Kits Replacement Parts & Accessories

Part #	Diameter	Length	Item	Material	Weight
404.39	1 1/2"	6"	SCS w/ Slide Hammer		12.3 lb.
404.97	1 1/2"		Lead Auger No Tip		5.1 lb.
405.00	1 1/2"		Lead w/Hard Faced Tip		5.4 lb.
405.28	1 1/2"		Lead w/ Carbide Tip		5.4 lb.
404.99	1 1/2"		Hard Surfaced Tip		0.4 lb.
405.25	2"		Hard Surface Tip		0.7 lb.
405.23	2"		Flighted Lead Auger with Hard Surfaced Tip		6.0 lb.
404.96	2"		Flighted Lead Auger (w/out tip)		5.8 lb.
404.98	1 1/2"		Carbide Tip		0.4 lb.
405.26	2"		Carbide Tip		0.7 lb.
405.01	1 1/2"	3'	Flighted Extension		5.3 lb.
405.24	2"	3'	Flighted Extension		5.8 lb.
408.03		4'	Extension		2.3 lb.
404.64	1 1/2"	6"	Core Sampler with Regular Slide Hammer	SST	12.7 lb.
409.34	1 1/2"		Tip Only	SST	0.4 lb.
409.36	2"		Flighted Auger Tip	SST	0.4 lb.
409.30	1 1/2"	3'	Flighted Extension	SST	5.1 lb.
409.32	2"	3'	Flighted Extension	SST	5.3 lb.
409.09		4'	Extension	SST	2.1 lb.
421.29			Universal Slip Wrench		1.3 lb.
430.11	1 1/2"	12"	Nylon Brush		0.2 lb.
430.01			Deluxe Carrying Case 1750		29.0 lb.
DRILLS					
213.94			DeWalt D25763K- 2" SDS Max Combination Hammer Drill		19.1 lb.
214.20			5/8in Threaded Male to SDS-Max Drill Adapter		0.8 lb.
EXPENDABLES					
405.08	1 1/2"	6"	Plastic Liners		0.1 lb.
418.08	1 1/2"		Plastic End Caps		0.1 lb.

Quick Connect Flighted Auger Kit

This AMS kit allows users to quickly achieve depths of 9' using the recommended rotary hammer drill. The male/female hex fittings of the quick connect connections make adding and disconnecting flighted extensions easier than ever before, and they allow for reverse augering! Quick connect connections also prevent the flighted sections from binding or locking up while augering. The lead auger tip has replaceable carbide inserts that can be replaced after they become worn. The kits include a 2" x 36" quick connect auger, 2 1/2" lead bit, 5/8" threaded female to quick connect female adapter, 5/8" threaded male to SDS-Max drill adapter, three 5/8" x 4' extensions, 1 1/2" x 6" core sampler, 5/8" regular slide hammer, quick connect rubber-coated handle, 1 1/2" x 12" nylon brush, universal slip wrench, and an AMS deluxe carrying case.



#209.11

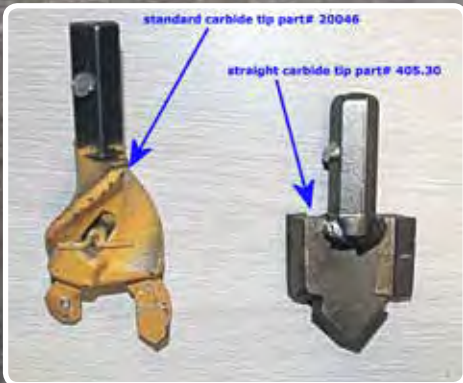
Quick Connect, Flighted Auger Kit

Part #	Diameter	Length	Item	Weight
209.11	2"	36"	QC Flighted Auger Kit	72.0 lb.
209.12	2"	36"	QC Flighted Auger Kit with DeWalt D25763K Drill	109 lb.



#209.11

Bore a hole with the flighted augers and collect a 1 1/2" x 6" soil core sample using the core sampler, extensions, and slide hammer. Users have sampled deeper than 16' with extra flighted extensions.



ACCESSORIES

Part #	Item	Weight
405.30	2" Carbide Tip	1.5 lb.

QC Flighted Auger Kit Replacement Parts and Accessories

Part #	Diameter	Length	Item	Weight
20045	2"	36"	QC Flighted Auger	9.5 lb.
306.06		18"	QC Rubber-Coated Cross Handle	1.1 lb.
408.03	5/8"	4'	5/8" Thread Extension	2.3 lb.
404.38	1 1/2"	6"	5/8" Core Sampler Cup & Cap	2.1 lb.
400.99			5/8" Thread Regular Slide Hammer	8.0 lb.
53265			5/8" Thread Female to QC Female Adapter	0.7 lb.
214.20			5/8" Thread Male to SDS-Max Drill Adapter	0.8 lb.
213.94			DeWalt D25763K- 2" SDS Max Combination Hammer Drill	19.1 lb.
430.11	1 1/2"	12"	Nylon Brush	0.2 lb.
20046	2 1/2"		Flighted Auger Tip with Replaceable Carbide Bits and Hex Connection	2.0 lb.
430.01			AMS Deluxe Carrying Case 1750	28.0 lb.
421.29			Universal Slip Wrench	1.3 lb.
EXPENDABLES				
405.08	1 1/2"	6"	Plastic Liners	0.1 lb.
418.08	1 1/2"		Plastic End Caps	0.1 lb.

#409.80



#409.80
Collect soil, soil gas, or groundwater samples telescopically through AMS hollowstem augers.

Hollowstem Auger Kits

Hollowstem auger kits minimize the chance of cross contamination. The augers are capable of creating a cased borehole that is 6' deep with an inner and outer diameter of 1 1/8" and 3", respectively. Soil, gas vapor, and groundwater samples may be collected through the cased borehole. A special 24" soil probe with a 7/8" outer diameter is included to allow collection of a soil sample through the augers. The hollowstem auger kits include SDS-Max adapter, 5/8" threaded regular slide hammer, flighted lead auger, flighted extension, two 3' extensions, hard surfaced tip, crescent wrenches, nylon brush, deluxe carrying case, and optional DeWalt hammer drill. The hollowstem soil recovery probe may also be used through the augers to collect samples into a liner. Gas vapor probes (pages 59-61) and bailers (page 77) up to 1" in diameter may also be used through AMS hollowstem augers.

5/8" Threaded, Hollowstem Auger Kits

Part #	Item	Weight
409.80	Hollowstem Auger Kit with DeWalt D25763K Drill	103.0 lb.
209.22	Hollowstem Auger Kit (without Drill)	66.0 lb.
409.55	Hollowstem Lead Auger Section	14.0 lb.
409.72	1" x 24" Hollowstem Soil Recovery Probe	1.6 lb.

Hollowstem Auger Kit Replacement Parts & Accessories

Part #	Item	Weight
409.55	Hollowstem Lead Auger Section	14.0 lb.
409.72	Hollowstem Soil Recovery Probe	1.6 lb.
409.51	Hollowstem Flighted Extension	9.2 lb.
409.60	Hollowstem Inner Rod	1.7 lb.
409.58	Hollowstem Plug	0.5 lb.
409.61	Hollowstem Adapter Cap	1.0 lb.
18296	Hollowstem SRP Cap	0.5 lb.
409.75	Hollowstem Replacement Tip	0.8 lb.
409.57	Hollowstem Flighted Section with Inner Rod	10.9 lb.
401.04	Regular Soil Probe	1.1 lb.
425.74	Hollowstem Soil Probe Replacement Tip	0.2 lb.
213.94	DeWalt D25763K- 2" SDS Max Combination Hammer Drill	37.0 lb.
214.20	5/8" Thread Male to SDS-Max Adapter	0.7 lb.
400.99	5/8" Regular Slide Hammer	10.2 lb.
421.10	12" Crescent Wrench	1.7 lb.
14327	14" Pipe Wrench	2.5 lb.
430.01	AMS Deluxe Carrying Case 1750	29.0 lb.
425.09	Plastic Liner	0.1 lb.
425.22	Plastic End Caps	0.1 lb.
Accessories		
213.46	5/8" Threaded Male to EA 410 Drill Adapter	1.0 lb.
213.83	Echo Gas Drill EA 410	26.0 lb.



Shown with optional EA 410 Gas Drill (part# 213.83)

Hollowstem Soil Recovery Probe

The hollowstem soil recovery probe can be used telescopically through the hollowstem lead auger section. The probe is also included in hollowstem auger kits and are used through the included hollowstem augers. The probe includes a 1" x 24" hollowstem soil recovery probe body, a 5/8" threaded top cap, 3/4" x 24" plastic liner, and two 3/4" end caps.

Hollowstem Soil Recovery Probe Replacement Parts

Part #	Item	Weight
58925	HS Probe Replacement Tip	0.1 lb.
18296	HS Cap with 5/8 NC Thread	0.25 lb.
425.09	3/4" x 24" Plastic Liner	0.08 lb.
425.22	3/4" Plastic End Cap	0.02 lb.



#409.72

Hollowstem Lead Auger Section

This complete dual-tube hollowstem lead auger is capable of creating a cased borehole to a depth of 3'. The lead auger sections includes an SDS-Max adapter, 3' flighted extension, inner extension rod, plug, cap, and tip. All of the components included in the hollowstem lead auger section are also included in the AMS hollowstem auger kits (right).



#409.55



#206.10

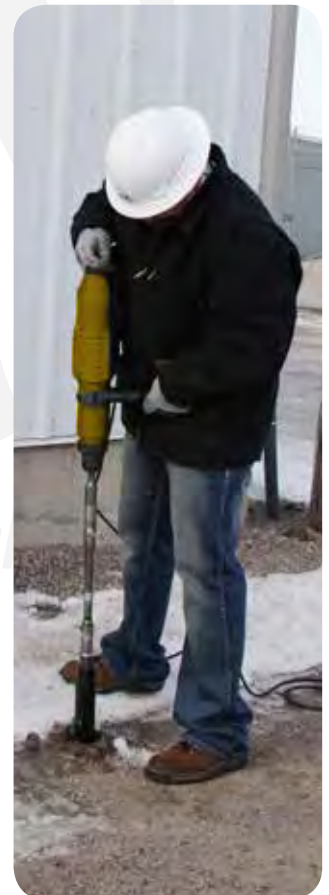


Frozen Soil Auger Kit

The AMS Frozen Soil Powered Auger Kit was designed to core through those dreaded frozen soil conditions. The kit comes with the core barrel auger, two 1ft. hex quick pin extensions, two threaded/hex quick pin adapters, SDS-Max rotary hammer drill adapter, Idaho spoon cleanout tool, SST cleaning brush & one hard side carrying case with foam lining. The kit is designed to work with an SDS-Max rotary hammer drill.

Frozen Soil Powered Auger Kit Replacement Parts

Part #	Item	Weight
206.10	Frozen Soil Auger Kit	17 lb.
10142	2-3/8" Earth Core Barrel Auger w/ Carbide Teeth	2.90 lb.
58508	(1-1/4" #7) threaded to Hex QP Adapter	1.40 lb.
55647	Idaho Spoon (Cleanout Tool)	0.80 lb.
430.17	2" x 12" Stainless Steel Cleaning Brush	0.15 lb.
58509	1" Hex QP Extension	1.85 lb.
424.62	AMS Small Carrying Case	5.50 lb.
53266	Quick Connect Female to 3/4" female adapter	0.7 lb.
405.32	SDS Max to 3/4" Male Adapter	1.15 lb.
Available Rotary Hammer Drills		
213.94	DeWalt D25763K- 2" SDS Max Combination Hammer Drill	19.1 lb.
Accessories		
10141	2-1/4" Earth Core Barrel Auger w/ Carbide Teeth (regular soil conditions)	
213.46	5/8" Threaded Male to EA 410 Drill Adapter	1 lb.
213.83	Echo Gas Drill EA 410	21.4 lb.





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