

Dual-Purpose Soil Recovery Probe

APPLICATION:

The Dual Purpose Soil Recovery Probes are a sampling tool for the soil scientist, agricultural consultant and farmer. they are used to collect small diameter soil samples either directly or in Liners from the surface to depths of about 24-in. They provide a simple, fast and economical method of collecting samples for field or laboratory profile description, moisture determination or chemical analysis.

DESCRIPTION:

The Dual Purpose Soil Recovery Probes are made from either chrome molybdenum type 4130 steel with a hardened tip or all stainless steel in two diameters, 7/8-in or 1 1/8-in and lengths of either 12-in or 24-in with a 7-in slot in the lower part of the body. The 4130 steel models are nickel plated for rust resistance. The sturdy design of these probes resist bending and twisting. The tip cuts a core a little more than 1/8-in smaller than the inside diameter of the Probe. This allows the sample to pass into the Liner as it is collected. The top of the probe is internally threaded to accept the special Top Cap. The Dual Purpose soil Recovery Probe may be used to collect samples either directly in the sampler body or in a clear plastic Liner contained within the body. This sampler features the "Reach and Grab" system. The Liner protrudes 1 3/4-in above the top of the Probe Body to allow for easy removal of the sample in the Liner. the Top Cap accomodates this extension and is provided with a 5/8-in NC thread on it's upper surface for attachment of a Cross Handle, Extension or Slide Hammer.

The Soil Recovery Probes are supplied with a 10-in cross handle, 4130 steel fitted with comfortable grips of stainless steel fitted with plastic end caps depending on the model. All Soil Recovery Probes are also supplied with a Plastic Liner and two plastic End Caps. The Liners have a diameter 1/8-in less than the probes, i.e. 3/4-in or 1-in and are 1 3/4-in longer than the Probe body to allow for the AMS "Reach and Grab" system.

USE:

The Dual Purpose Soil Recover Probe is pushed and/or twisted into the soil to collect a sample, using the included detachable Cross Handle. In tougher soil conditions the available AMS Slide Hammer may be used instead of the Cross Handle for a faster and deeper drive. The sample is recovered by twisting and pulling up on the Cross Handle or reverse hammering with the Slide Hammer. The sample in the Liner may be recovered by first removing the Top Cap and then placing one of the supplied End Caps in the end of the Liner and suitably marking it. the Body should now be reversed with the capped end of the Liner facing down. Gently removed the Sampler Body from the Liner and cap the Liner end. The accessory Soil Plunger may be used to remove the soil from the Liner.

Samples may also be collected directly in the sampler without a Liner, using the technique described above. After use the sampler should be cleaned, washed and dried before taking the next sample.

AVAILABILITY:

The Dual Purpose Soil Recovery Probes are supplied as a Body and Top Cap with Liner and two separate End Caps. They are all supplied with a 10-in Cross Handle fitted with either comfortable grips or plastic end caps.



5/8" NC Dual Purpose Soil Recovery Probe, 4130 Alloy Steel

7/8" x 12"	Plated Dual Purpose Soil Recovery Probe	#424.27
7/8" x 24"	Plated Dual Purpose Soil Recovery Probe	#424.31
1 1/8" x 12"	Plated Dual Purpose Soil Recovery Probe	#424.19
1 1/8" x 24"	Plated Dual Purpose Soil Recovery Probe	#424.23

5/8" NC Dual Purpose Soil Recovery Probe, Stainless Steel

7/8" x 12"	Stainless Dual Purpose Soil Recovery Probe	#424.53
7/8" x 24"	Stainless Dual Purpose Soil Recovery Probe	#424.55
1 1/8" x 12"	Stainless Dual Purpose Soil Recovery Probe	#424.49
1 1/8" x 24"	Stainless Dual Purpose Soil Recovery Probe	#424.51

Accessories

7/8"	Plunger for Soil Recovery Probe	#402.21
1 1/8"	Plunger for Soil Recovery Probe	#402.22
7/8"	Plated Top Cap for SRP	#440.09
1 1/8"	Plated Top Cap for SRP	#440.08
7/8"	Stainless Top Cap for SRP	#424.56
1 1/8"	Stainless Top Cap for SRP	#424.57



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Dual Purpose Soil Recovery Probe

Ancillary Items

Extensions

Length	4130 Steel 5/8-in NC	Stainless Steel 5.8-in NC
1-ft	#408.00	#409.06
2-ft	#408.01	#409.07
3-ft	#408.02	#409.08
4-ft	#408.03	#409.09
5-ft	#408.04	#409.10

Wrench

12-in Crescent Wrench- #421.10

Slide Hammers

Type	5/8-in NC Thread
Slide Hammer	#400.99
Compact	#400.96
Heavy Duty	#400.93

Cross Handles

Type	5/8-in NC Thread
10" 4130 steel w/ Grips	#401.26
16" 4130 Steel	#406.02
16" Rubber Coated	#406.04
18" Ratcheting	#406.80
10" Stainless Steel	#401.24
16" Stainless Steel	#409.11

Liners and End Caps

Component	For 7/8-in SRP	For 1 1/8-in SRP
12" Plastic Liner	#425.07	#425.02
24" Plastic Liner	#425.09	#425.04
12" Plastic Liner	#425.15	#425.11
24" Plastic Liner	#425.17	#425.13
Plastic End Cap	#425.22 (ea)	#425.18 (ea)



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