

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

acker

SOIL SAMPLING KIT

A portable collection of 14 soil sampling tools in a handy carrying case.



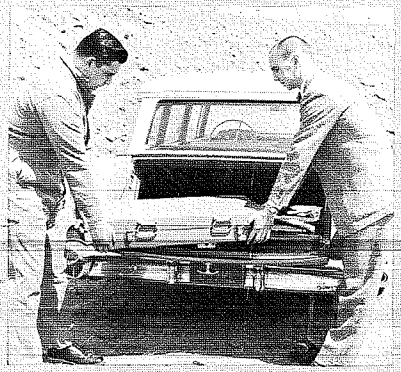
This is one of the most popular and useful kits for preliminary investigations. The assembly consists of 14 different earth soil sampling tools in a handy carrying case small enough to be carried in an automobile.

The set contains a variety of tubes, earth augers and samplers capable of recovering accurate samples from most materials except rock. Samples recovered are approximately 1½" in diameter. It is designed for hand operation and is ideal for depths to 25 feet.

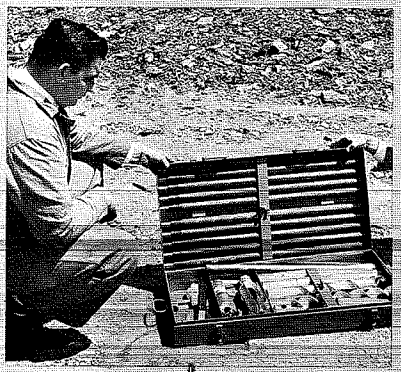
SEE SPECIFICATIONS ON OTHER SIDE



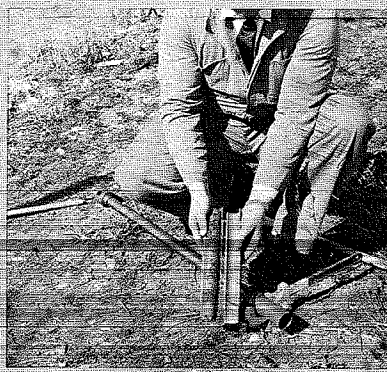
EASY TO USE — It's hand operated.



PORTABLE — Carry it anywhere in your car!



VERSATILE — 14 different soil sampling tools packed in a handy carrying case.



DEPENDABLE — Recovers accurate samples from practically any material except bedrock.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SPECIFICATIONS:
SOIL SAMPLING KIT

APPLICATIONS INCLUDE SAMPLING FOR:

- AIRFIELD RUNWAYS
- ALUMINUM SILICATE DEPOSITS
- BRICK MAKING MATERIALS
- FOUNDATION TEST BORINGS
- GOLD BEARING SANDS
- CLAY MARL
- CLAY AND KAOLIN FOR CERAMICS
- SAND AND GRAVEL PITS
- MOISTURE CONTENT PREVIOUS TO SOIL COMPACTION
- SUBGRADE TESTING FOR HIGHWAYS
- BASE MATERIALS FOR SOIL CEMENT STABILIZATION
- SOIL DENSITY FOR BEARING DATA
- SEWER LINES
- AGRICULTURE

SOIL SAMPLING KIT

QTY.	DESCRIPTION	PART NO.	WEIGHT	
1	SOIL SAMPLING KIT - Complete for 25 ft. Depths	41007-1	190.0	86.0
KIT CONSISTS OF:				
1	Straight Chopping Bit - 2-1/8" Wide	21083-1	6.0	2.7
1	Drive Head Assembly	22070-1	8.0	3.6
12	Glass Sample Jars	2208[illegible]		*
10	Drill Rods - 1-5/16" O.D. x 2 ft. 6 in. Long	210[illegible]	7.0	3.1
1	Thin Wall Sampler - 2" O.D. (13" Sample)	2[illegible]	6.0	2.7
**	Head Assembly (for Thin Wall Sampler)	[illegible]3-31	3.0	1.4
**	Steel Tubes (for Thin Wall Sampler)	120021-9	1.0	.45
1	Split Tube Sampler - 2" O.D. (12" Sample)	22072-1	9.0	4.0
**	Head Assembly (for Split Tube Sampler)	22036-33	3.0	1.4
**	Split Tube	22016-31	5.0	2.2
2	Paper Liners (for Split Tube Sampler)	120268	*	*
1	Closed Spiral Auger (1-7/8" O.D., 18"Long)	320304	5.0	2.2
1	Open Spiral Auger (2" O.D., 18"Long)	320303	5.5	2.5
1	Rod Tee and Nipple Assembly	120298-1	1.0	.45
1	Probe (to fit Drill Rods)	110060-9	1.5	.68
**	Handle (for Drive Head)	110018	3.5	1.5
1	Iwan Post Hole Auger (to fit Drill Rods)	320313-1	*	*
2	Pipe Wrench - 18"	91100-5	4.5	2.0
1	Basket Retainer (for Split Tube Sampler)	320110	1.0	.45
1	Trap Valve (for Split Tube Sampler)	320273	*	*
1	Sawtooth Shoe (for Split Tube Sampler)	320114-1	*	*
1	Pocket Shoe (for Split Tube Sampler)	120112-1	1.5	.68
1	L.A.D. Retainer (for Split Tube Sampler)	22037-1	*	*
1	Spring Sample Retainer (for Split Tube Sampler)	22037-2	*	*
1	Special Connector	120161-1	*	*
1	Carrying Case	151823-2	50.0	23.0

* Less than one pound or .45 kilogram ** Suggested spares not part of kit

Length: 36" **Width:** 21" **Height:** 8" **Export Cu. Ft.:** 3.5

BRIEF DESCRIPTION OF TOOLS

CHOPPING BIT — Hardened steel with chisel point used to break up and loosen hard packed and consolidated material such as hard pan, etc.

DRIVE HEAD — Threaded to fit drill rod sections, it is equipped with two handles and transmits the blow of the sledge or mall through the rods to the probe or sampler.

GLASS SAMPLE JARS — With metallic screw caps for preserving samples. Labeled to denote hole number and elevation from which sample is recovered they form a record of each hole. One dozen, in separate container, is furnished with each kit.

DRILL RODS — Made of cold drawn seamless steel tubing with square threads and flush joints. The heavy square shoulder permits severe driving and repeated coupling and uncoupling — 2 feet 6 inches long each. (Includes one coupling each)

THIN WALL TUBE — For use in Materials where it is important to determine moisture content by laboratory analysis as in soil compaction operations. The thin tube is sealed immediately upon being brought to the surface. A supply of tubes, either steel or brass, can be furnished. (Undisturbed type sampler)

SPLIT TUBE SAMPLER — The most widely used and generally satisfactory of all soil samplers. It is split into two halves along its length and is held together by a ball check head at the top and hardened steel shoe at the bottom. The ball check prevents water from washing the soil sample away while the sampler is being raised to the surface. A variety of shoes can be used on the split tube.

CLOSED SPIRAL AUGER — Useful in recovering samples from dry clay and gravelly material which is likely to block the opening of a closed sampler tube.

OPEN SPIRAL AUGER — For moist clay and many loosely consolidated mixtures. Samples are not only caught inside but also pack and are held by the open spiral flights.

SPECIAL CONNECTOR — Designed to accommodate coupling of two or more samplers for taking longer samples.

PROBE — A long pointed tool of heat treated steel widely used to explore sewer lines or determine rock contours.

HANDLE — Solid handle slips through drive head and is used to turn drill rods and lift samplers.

IWAN POST HOLE AUGER — An old reliable device for starting holes. In loose and loamy earth, it can sometimes be used for sampling to considerable depth. It is threaded for attachment to the drill rods.

PIPE WRENCHES — Two pipe wrenches for coupling and uncoupling drill rods — a small sledge or mall, not furnished with kit is the only extra tool needed.

BASKET RETAINER — Used inside split tube sampler for collecting samples of loose dry materials — flexible fingers open to admit the material and close behind it when the tube is withdrawn, inserted inside of sampler drive shoe.

TRAP VALVE — Is inserted in the plain shoe of the split tube sampler to catch thin watery mud and similar materials.

SAW TOOTH SHOE — A good tool where material is compact or cemented together. The saw teeth are carbide tipped and when rotated, tear the material loose and it is forced into the split tube sampler to which the shoe is attached.

POCKET SHOE — To be used on the split tube when loose sand and gravel are being sampled. The cutting edges are designed to cross the center so there is no clear opening which helps retain the sample.

L.A.D. RETAINER — Used inside split tube sampler for taking samples in flowing sands or other difficult materials plastic bag collects and retains sample when sampler is withdrawn from hole.

PAPER LINER — Used inside split tube sampler to aid in handling recovered sample. Ends are capped to preserve sample.

TEE CONNECTION — Couples to drill rods under drive head — used for wash boring. Facilitates adding water to drill string.

POLICY: The policy of the Acker Drill Company, Inc. being one of continual improvement, we reserve the right to change design or materials at any time, without giving notice or creating any obligation to previous or future customers.

REPRESENTED IN YOUR AREA BY:

ACKER DRILL COMPANY, INC.
P.O. Box 830, Scranton, Pennsylvania, 18501 U.S.A.
Telephone: Code 717 586-2061
Cable: ADCO TELEX 831-815, Scranton, Pa. U.S.A.

ACKER ASIA LIMITED
Maruki Building, No. 5 Mitoshiro-Cho
Kanda, Chiyoda-Ku, Tokyo, Japan
Telephone: Tokyo 295-6961, 6962, 6963
Cable: ACKERASIA TELEX J26210 ASIACKER

ACKER do BRASIL
Av. Governador Israel Pinheiro 384
Sete Lagoas, Minas Gerais, Brasil CEP 35700
Telefones: 031 921-4780, 4287
Cable: TELEX 312631 ABEM BR

Printed in U.S.A.

80110

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP