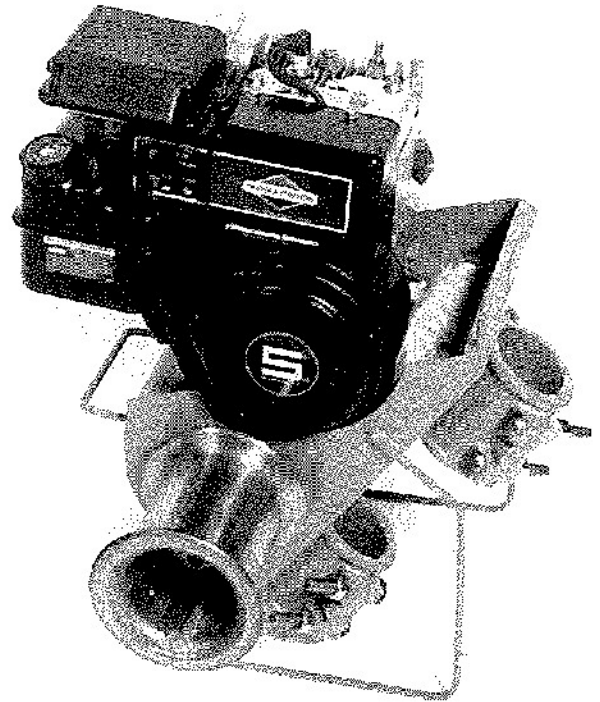


Other lightweight equipment for use with the Motorized Cathead and Aluminum Derrick.
(See Page 1-12 of Drill Rig Section for description of Pipe Mounted Diamond Core Drill.)



Acker Lightweight Motorized Hoist and Portable Aluminum Derrick

This lightweight, portable motorized cathead is 4-cycle gasoline motor driven. It includes a built-in centrifugal clutch that permits the cathead to stop when the engine is at idle. The cathead is driven by a sprocket and chain drive enclosed by safety guards. Engine RPM is 3,600. Cathead is 4-1/2" O.D. and turns at 175 to 225 RPM. Lifting capacity is rated at 500 lbs. It is ideal for use with a 140 lb. drive weight or soil sample kit. The aluminum derrick is designed to accommodate lifting tools in 10 ft. sections. The derrick legs are 16 ft. long consisting of two 8 ft. lengths to facilitate transportation into remote areas or marine type conditions.

Portable Motorized Cathead

Lightweight Motorized Hoist and Portable Aluminum Derrick

Description	Part No.	Weight		Cu. Ft.
		Lbs.	kg	
Complete Assembly	40032-1	345	90.6	17.0

Assembly Consists Of:

Description	Part No.	Weight		Cu. Ft.
		Lbs.	kg	
Comb. Motor Cathead w/Clamp	25060-3	155	45.3	3.0
Aluminum Tripod Derrick, Tie Bolt and Bail (for 10 ft. pulls)	25505-2	165	40.7	8.5
Tripod Sheave for Manila Rope	25031-7	10.0	4.5	—
Manila Rope (75 feet)	110450-75	14.0	6.3	1.0
Safety Hook	90351-1	*	*	—
Extra Gasoline Engine*	25007-93	35.0	15.8	2.0
* Not included with Assembly.				

Specifications

Engine Type	4-Cycle Gasoline
Capacity Rated	500 lbs. (226.5 kg)
Cathead (113.7 x 156.4 mm)	4-1/2" x 6" Long
Derrick Work Length	10 ft. long (3.048 Meters)
* Less than one pound or .45 kilograms	

Soil Sampling

acker

Acker Soil Mechanic--Model "S"

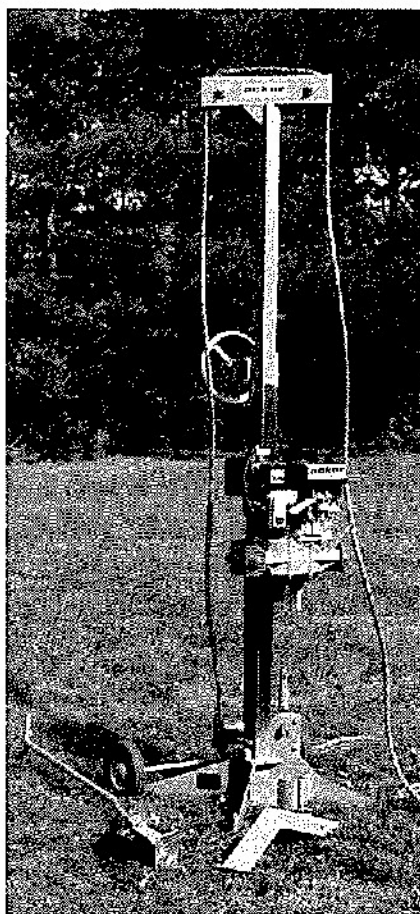
Lightweight • Portable • Goes Any Place

Acker has designed the Soil Mechanic with many features and options to provide versatility for small diameter auger borings and soil sampling to shallow depths...The Model "S" (*Stand Mounting*) has a 7.0 HP highly efficient 4-cycle air cooled gasoline engine for drilling conveyor flight augers. Optional jib and cathead permit the driving of Standard (*ASTM*) Penetration Tests with the 140 lb. drive weight and 2" O.D. Sampler. The power head is attached to the swivel mounting post by a sliding fixture. The swivel post base allows the post to turn for lining up power drive to the optional cathead hoist assembly. This design feature allows the power head to be swiveled clear of the hole for soil sampling and driving operations. The assembly includes a centering guide, 4 anchor pins and two sets of noise suppressor ear muffs.

Tow Tongue (Optional)—Provides a simple method for taking the auger assembly into remote or rugged job sites. Not designed for towing in back of motor transport. The tongue and dolly wheel save the back breaking task of moving the equipment from hole to hole.

Acker Soil Mechanic Model "S" — Complete Assembly			
Part No.	Description	Weight	
		Lbs.	kg.
—	Complete Assembly 36.0 Cu. Ft. (1.0 m ³)	206	93.0

Drill Kit "A" 3-1/2" (90mm) Holes to 24 ft. (7.3m) Depths			
Part No.	Description	Weight	
		Lbs.	kg.
41005-11	Complete Kit 4.75 Cu. Ft. (0.13 m ³)	140	64.0



Standard Model "S" Soil Mechanic for auger drilling soils. Note: Hand feed wheel, auger power head and drill platform. Ideal for shallow investigations. Cathead Optional.

Contents: Drill Kit "A"	
Qty.	Description
1	Articulated Adapter (Engine to Auger)
8	Conveyor Flight Augers 3" O.D. x 36" Long (76.2 mm x 914 mm)
8	Drive Pin Connectors for Coupling Augers Together
1	3-1/4" O.D. (82.5 mm) Cutter Head with 2 Carbide Insert Fingers and Pilot
1	Auger Holding Fork
1	Rigid Sub. 1-3/8" Hex. Box to 1-1/8" Hex. Box

Optional Accessories or Spare Parts			
Description	Part No.	Weight	
		Lbs.	kg.
Auger — Power Head with Transmission (150 RPM) and 4 Handles	25002-102	72.0	32.7
3" O.D. x 36" Long Conveyor Flight Auger with 1-1/8" Hex Connections (76.2 mm x 914 mm with 28.6 mm Hex Conn.)	330098-9	15.0	6.8
3-1/4" O.D. Cutter Head (for above Auger Flight) (82.5 mm O.D.)	23003-4	5.0	2.2
Carbide Insert Finger for above Cutter Head (2 Req.)	130319-1	*	*
Pilot Bit (for use with Cutter Head)	130320	4.0	1.8
Drive Pin (for Connecting Augers)	130064-3	*	*
Universal Adapter Between Engine and Auger Flights (Model "S" Only)	25130-61	4.0	1.8
Sub-Adapter Between Engine and Auger Flights (Model "H")**	130039-11	7.0	3.1
Dolly Wheel with Tow Handle	25066-5	23.0	10.4
Cathead Hoist Drum with Right Angle Gear Box (4" O.D. x 4" Long) — (152.4 mm x 101.6 mm)	50015-16	45.0	20.4
Hoisting Jib and Mounting with Built-In Sheaves Two Piece 140 lb. (63.4 kg) Drive Weight with Pin	50061-3	20.0	9.0
Guide and Drive Head	21138-1	145.0	65.6
Length 3/4" Manila Rope x 25 Ft. Long (19 mm x 7.6 m)	110450-25	7.0	3.1
Noise Suppressor Head Set Ear Muffs	157293-1	1.5	0.68
Holding Fork	330109	8.0	3.6
Pull Plate with Chains	311339	2.0	0.90
Drive Head for AW Rods	111336	3.0	1.36
Pin Guide for AW Rods	111332	1.0	0.45
Eye bolt for Coupling Drive Weights	353499-4	1.0	0.45
Set Carrying Handles for two 70 lb. (31.7 kg) Drive Weights	111337	*	*
	111338	*	*

* Less than one pound or 0.45 kg. ** Use with Model "H" Assembly Only.