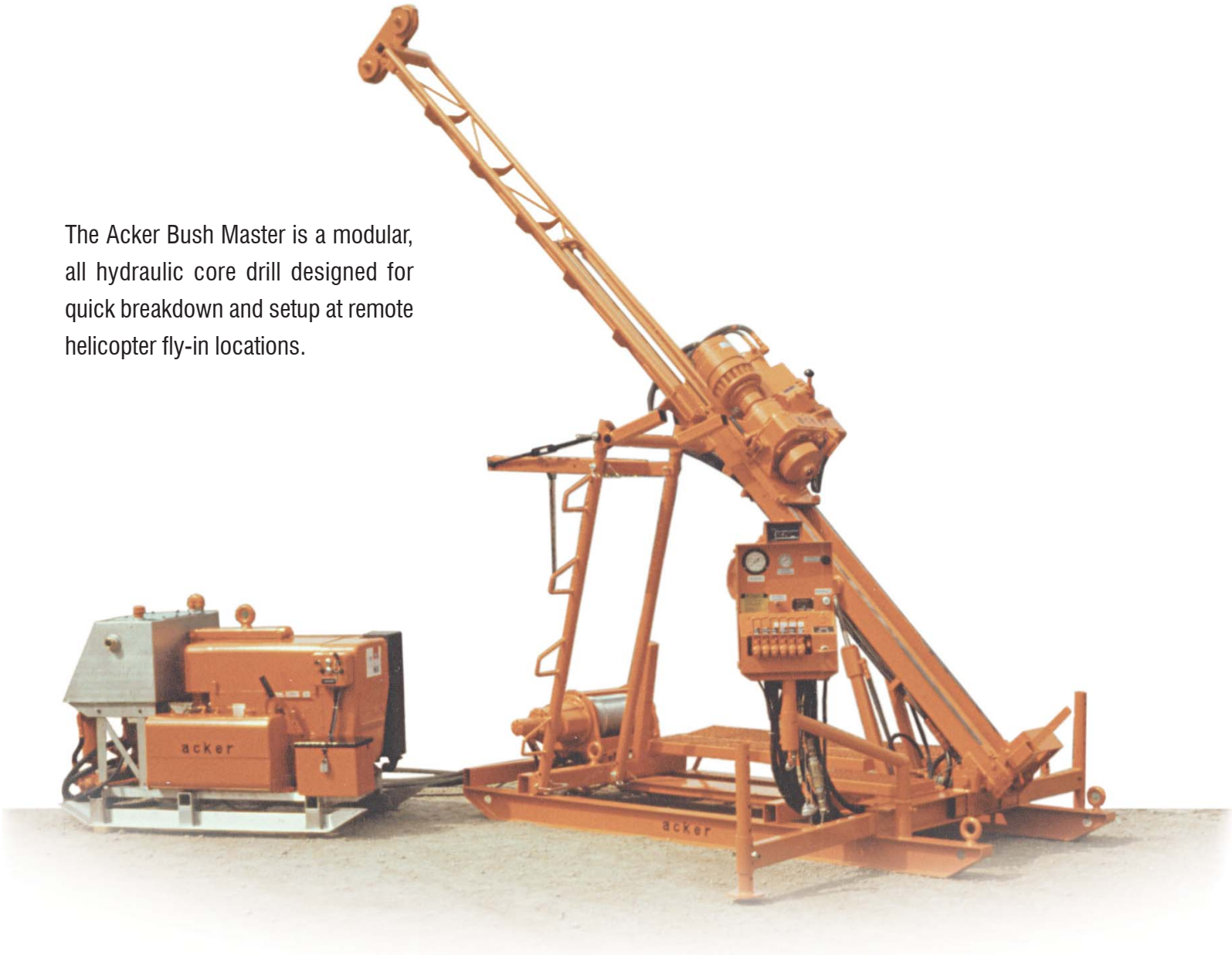


BUSH MASTER

All Hydraulic Modular Core Drill

The Acker Bush Master is a modular, all hydraulic core drill designed for quick breakdown and setup at remote helicopter fly-in locations.



BUSH MASTER SPECIFICATIONS

DEPTH RATINGS		
1,500 ft. AQ Rod		
1,125 ft. BQ Rod		
1,050 ft. AW Rod		
900 ft. NQ Rod		
*Depth Ratings are dependent on, in-hole conditions and may vary from those listed.		
LIFTS REQUIRED		
5 Lifts - Maximum Component Weight - 1,300 lbs. (590 kg)		
3 Lifts - Maximum Component Weight - 1,700 lbs. (771 kg)		
POWER UNIT		
Hatz, 4 Cylinder (Silent Pack)		
Air Cooled Diesel, 48 HP		
75 Decibels (Full Load)		
POWER PACK SKID		
Aluminum Construction		
FEED SYSTEM		
<ul style="list-style-type: none"> • 6 ft. stroke (1.8m) • 12,400 lbs. upward thrust (5,625 kg) • 8,300 lbs. pull down (422 kg) • Feed Speed: 0-56 FPM down (0-17m); 42 FPM up (12.8m) (166 FPM Fast Feed UP) (50.6) 		
DRILL HEAD		
<ul style="list-style-type: none"> • Spindle Bore - 3-5/8 inches (92.08mm) • 4 Speeds (Forward & Reverse) • Tachometer • Quick Disconnect Adapter • Hinged-Hydraulic Assist 		
SPINDLE SPEEDS		
STANDARD		
RPM	TORQUE (Ft. Lbs.)	kg m
1st 0-181	1244	172
2nd 0-379	595	82.3
3rd 0-698	323	44.7
4th 0-1200	188	26
OPTION #1		
RPM	TORQUE (Ft. Lbs.)	kg m
1st 0-241	1064	147.2
2nd 0-505	509	70.4
3rd 0-930	276	38.2
4th 0-1600	160	22.1
OPTION #2		
RPM	TORQUE (Ft. Lbs.)	kg m
1st 0-90	3200	443
2nd 0-189	1530	212
3rd 0-348	830	115
4th 0-600	482	67

Note: Speeds are infinitely variable within each gear range.

MAST	
Tubular Steel	
Removable Extension for 15 ft. (4.75 m) pulls	
ANGLE CAPACITY	
Vertical to 45°	
AUTOMATIC CHUCK (OPT.)	
5 jaw type to NW casing size	
HAND CHUCK (OPT.)	
3 jaw type to NW casing	
WIRE DRUM HOIST	
6,000 lb. (2,722 kg) planetary type, hydraulically operated from control panel.	
Hoisting Speeds:	
63 ft./min. bare drum (19.2 m);	
98 ft./min. full drum (29.9 m). Capacity-365 ft (111.3 m) of 3/8 in. (9.5 mm) wire rope.	
Fail safe brake.	
WIRE LINE HOIST	
1500 ft. (457 m) of 3/16 in (4.8 mm) cable.	
Bare drum 1,000 lbs. (454 kg)	
Hoisting Speeds:	
211 ft./min. (64.3 m) bare drum, 400 ft./min. (121.9 m) full drum.	
Fail safe brake.	
WEIGHTS	
POWER PACK	
1 Lift - 1,690 lbs. (767 kg)	
2 Lifts - 1,300 lbs. (590 kg) and 390lbs. (177 kg)	
DRILL SKID FRAME	
1 Lift - 1,100 lbs. (499 kg)	
DRILL UNIT	
1 Lift - 1,700 lbs. (771 kg)	
2 Lifts - 1,100 lbs. (499 kg) and 600 lbs. (272 kg)	
• Length - 10 ft. (3.1 m)	
• Width - 4 ft. (1.3 m) with stabilizers	
8 ft. 6 in. (2.6 m)	
• Height	
Mast down - 3 ft. 9 in. (1.14 m)	
Mast up - 9 ft. 3 in. (2.8 m)	
Mast up with Extension - 18 ft. 8 in. (2.6 m)	
Dimensions and Weights are approx. (+ or - 10%)	

BUSH MASTER STEEL