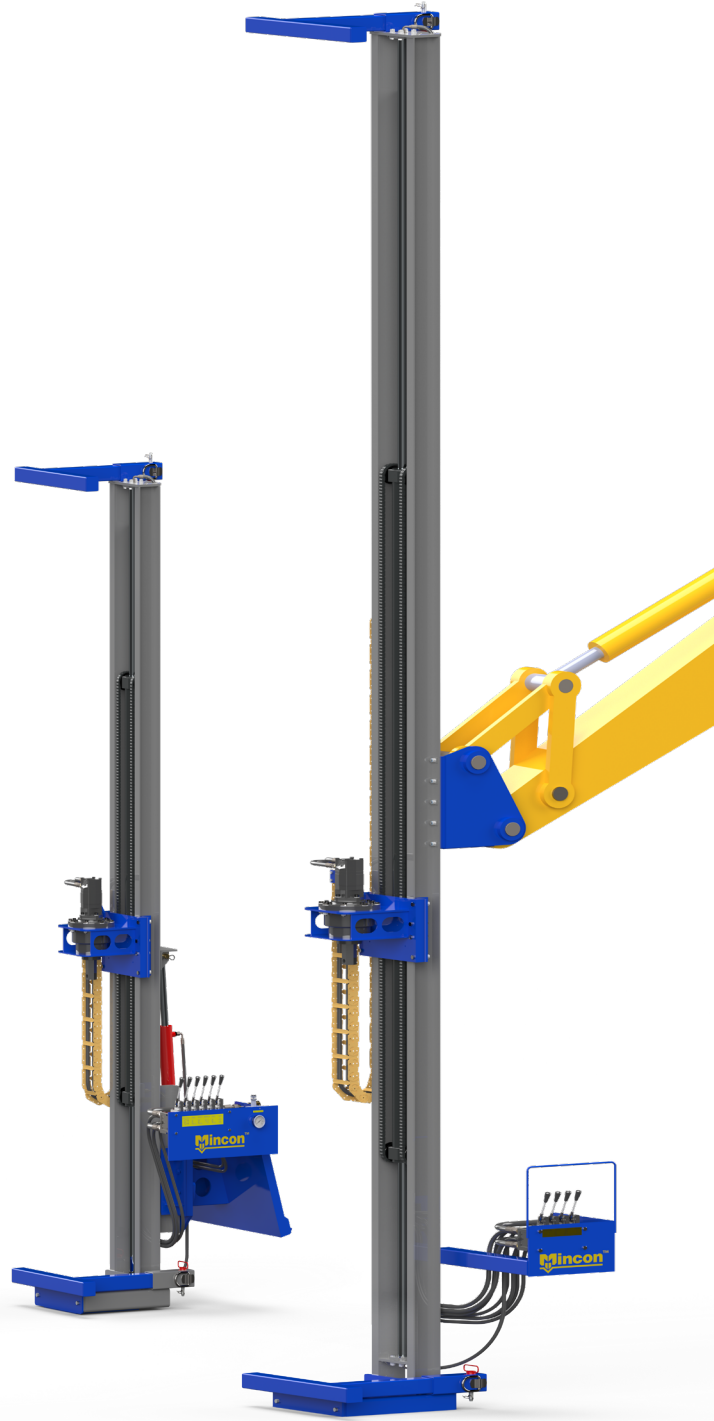




The Driller's Choice



# ROCK DRILL

## M106 - M1112 - M120

SOLAR - DEWATERING - GEOTECHNICAL - CONSTRUCTION - MICROPILING - ROCK DRILLING



[mincon.com](http://mincon.com)

# M1



## ROCK DRILL M1

The Rock Drill M1 for skid steers and excavators is ideal for pre-drilling hard rock for micropiles, dewatering and solar applications. Capable of drilling with augers, helical anchors, ground screws, DTH hammers and mud drilling setups the Rock Drill M1 can drill over 200 ft for small bore applications, or to shallower depths for larger bore holes, i.e foundation and underpinning applications. Available in various lengths for 6ft, 12ft and 20ft drill rods.

### AVAILABLE OPTIONS

- Hydraulic Breakout Wrench for drill rods.
- Clam Clamps for rod breakout and casings.
- Manual breakout wrenches - custom sizes.
- Upgraded Drill Heads, up to 5,100 ft.lbs torque.
- Side-to-side hydraulic hinge for levelling.
- Customizable excavator & skid steer attachment mount plates.
- Winch Extension Package. Up to 2,000 lbs (907 kg) pull.
- Remote Controls for mast operation.
- Trip Wire Safety System. (European Spec)
- Guide Plate & Breakout Wrench. 1" (26 mm) - 11.8" (300 mm)
- Auxiliary Winch. 42' rope / 1,470 lbs pull.
- Dust Suppression System for DTH Hammer Drilling.
- Dewatering Tooling Package.

### Key Features

**Customizable Drill Guide Plate for accurate drilling.**

**T-Legs for horizontal transport and storage.**

**Standard 2-Hose Quick-Disconnect Connection.**

**Hydraulic Main Cylinders provide maximum Pullback.**

**Carrier Machine Mounting Plate / Bracket.\***

# Rock Drill M112



**DRILL MASTS  
FOR ANY  
PROJECT**

# SPECIFICATIONS

## Power & Hydraulics

	IMPERIAL	METRIC
SYSTEM PRESSURE	3,000-3,750 psi	206-260 bar
SYSTEM FLOW	24-35 gpm	85-133 lpm
MAX PULLBACK	6,600 lbs	2,993 kg
MAX PUSH DOWN	6,600 lbs	2,990 kgf

## Rotary Head - Standard

	IMPERIAL	METRIC
MAX TORQUE	2,600 ft.lbs	3,525 Nm
MAX SPEED	100 rpm @25 gpm / 3,400 psi	100 rpm @85 lpm / 234 bar

## Rotary Head - Option #2

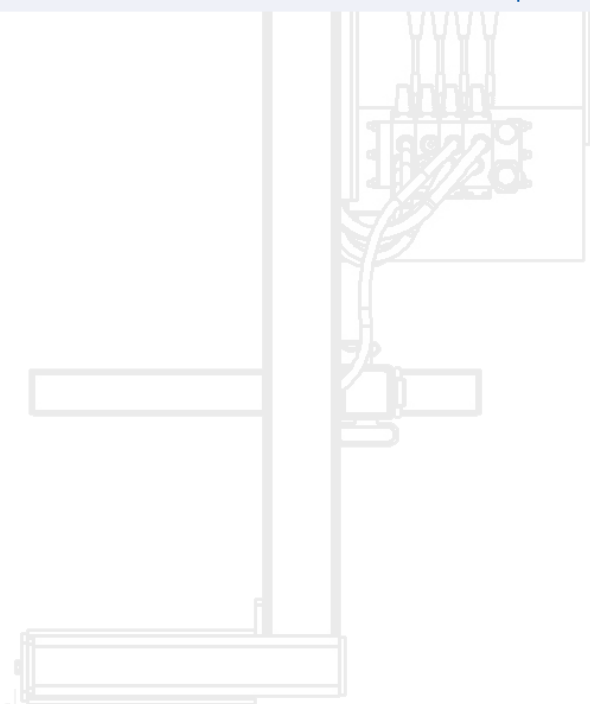
	IMPERIAL	METRIC
MAX TORQUE	3,300 ft.lbs	4,474 Nm
MAX SPEED	95 rpm @30 gpm / 3,400 psi	95 rpm @114 lpm / 234 bar

## Rotary Head - Option #3

	IMPERIAL	METRIC
MAX TORQUE	5,100 ft.lbs	6,931 Nm
MAX SPEED	80 rpm @35 gpm / 3,750 psi	80 rpm @133 lpm / 259 bar

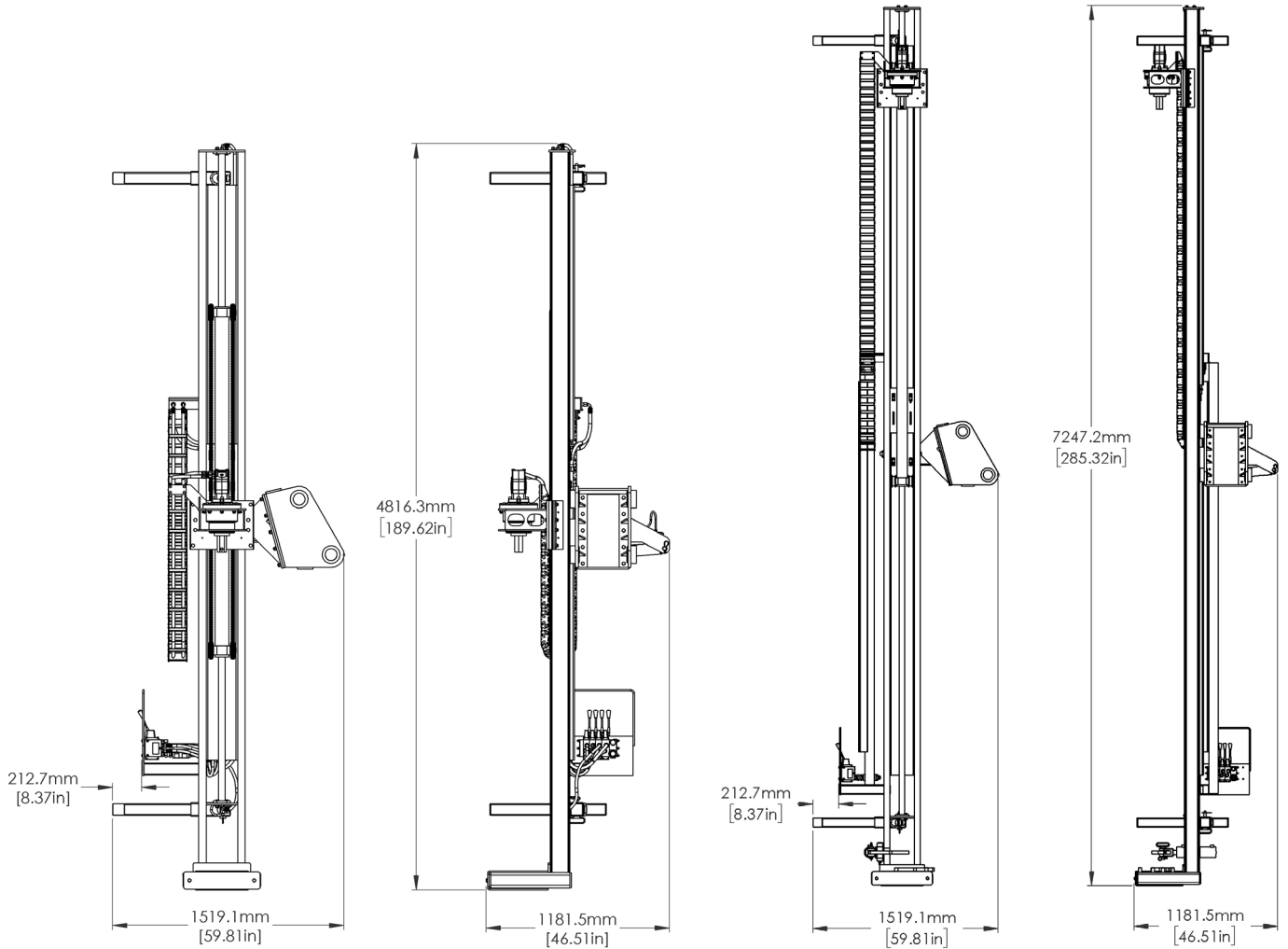
## Mast Movement

SIDE TO SIDE	+/- 17° Available Option
FORE AND AFT	Dependant on Carrier Machine



# M1

# TECHNICAL DRAWING



## Dimensions & Weight

	IMPERIAL	METRIC	IMPERIAL	METRIC	IMPERIAL	METRIC
	LENGTH		STROKE		WEIGHT	
M106 ROCK DRILL	7'	2,133 mm	6'	1,800 mm	725 lbs	328 kg
M112 ROCK DRILL	15' 10"	4,816 mm	11' 10"	3,600 mm	1,345 lbs	610 kg
M120 ROCK DRILL	32' 10"	7,247 mm	20'	6,100 mm	2,236 lbs	1,014 kg

\* Dependant on options / Additional upgrades may be required

A large, stylized letter 'M' graphic in a dark blue color is centered on the page. The 'M' is composed of several overlapping geometric shapes. Inside the 'M', there are four rectangular cutouts showing images of yellow Mincon drilling rigs and white skid steer loaders. The background of the entire page is a solid dark blue.

# The Driller's Choice

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