

# HYDRAULIC MAGNETIC DRILLS

MACTECH PORTABLE MACHINING SOLUTIONS

## Versatile, Powerful and Compact Hydraulic Drills



*Mactech's Line of Hydraulic Magnetic Drills*

Mactech Hydraulic Magnetic Drills provide compact, powerful drilling in tight spaces. The magnetic base provides a safe and secure attachment to the drilling surface at almost any angle - including vertically and horizontally. If the magnetic base becomes detached from the workpiece the drill automatically stops. The HMD1M spindle can be removed and reversed for drilling upward. A pendant control allows convenient remote operation. Simple to operate, easy to maintain, Mactech's Hydraulic Magnetic Drills are the powerful solution for your drilling needs.

### Features

- Versatile - Drills can be fixtured for special applications.
- Powerful - Drills up to 2 inches diameter in solid steel.
- Compact - Use in spaces where other drills can't go.
- Rugged design

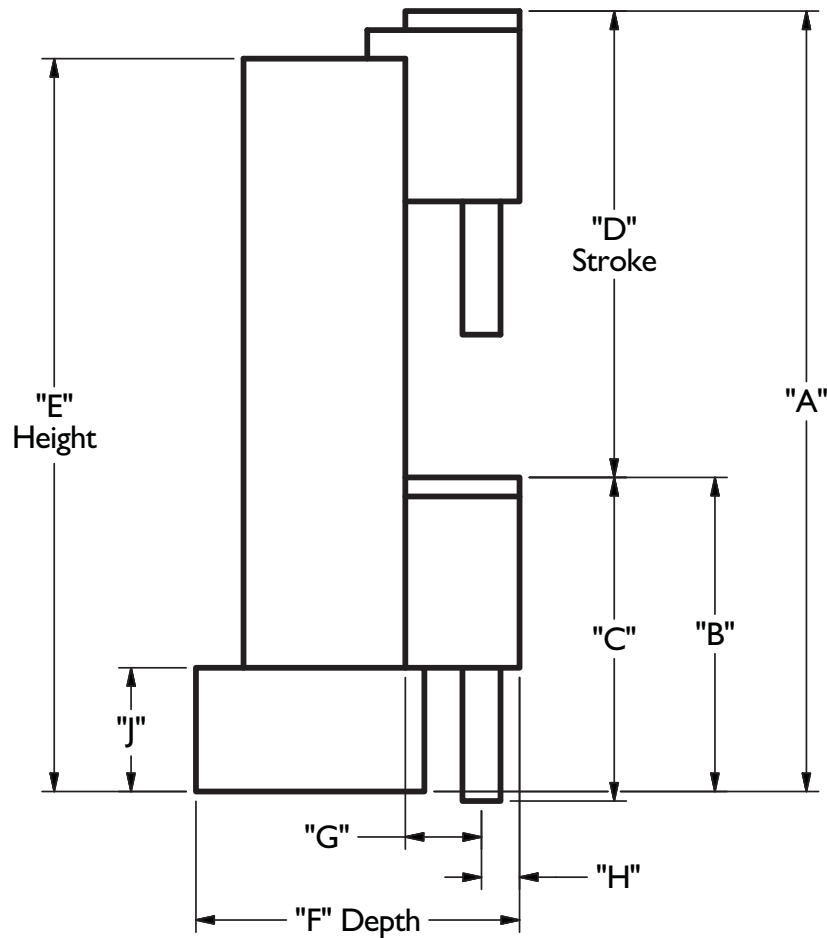
### Specifications

Model	HMD1M	HMD3P	HMD4P	HMD5P
<b>Tool Shank</b>	#1 Stub Taper	#3 Morse Taper	#4 Morse Taper	#5 Morse Taper
<b>Drill Capacity</b>	13/16 inch (20.6mm)	1 inch (25.4mm)	1-1/2 inch (38.1mm)	2 inches (50.8mm)
<b>Tap Capacity</b>	3/4-10	1-8	1-1/4 - 7	2-6
<b>Motor HP</b>	5.21 (3.9kw)	6.64 (4.9kw)	6.66 (5.0kw)	8.30 (6.2kw)
<b>Max Torque</b>	525 in-lbs (59.3N-m)	1000 in-lbs (113.0N-m)	1400 in-lbs (158.2N-m)	3397 in-lbs (383.8N-m)
<b>Max RPM (variable)</b>	625	420	300	154
<b>Feed</b>	Manual	Power	Power	Power
<b>Feed Rate</b>	n/a	.005 in/rev (.13mm/rev)	.0075 in/rev (.19mm/rev)	.010 in/rev (.25mm/rev)
<b>Magnet Capacity</b>	1200 lbs (544.3kg)	2300 lbs (1043.3kg)	3200 lbs (1451.5kg)	6000 lbs (2721.6kg)
<b>Magnet Size</b>	4.88 inches (123.8mm)	6.50 inches (165.1mm)	7.50 inches (190.5mm)	10 inches (254mm)
<b>Weight</b>	22 lbs (10.0kg)	54 lbs (24.5kg)	108 lbs (49.0kg)	255 lbs (115.7kg)



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Dimensions										
Model	Dim "A"	Dim "B"	Dim "C"	Dim "D"	Dim "E"	Dim "F"	Dim "G"	Dim "H"	Dim "J"	Width
HMD1M	10.625 (269.9mm)	7.500 (190.5mm)	7.125 (181mm)	3.125 (79.4mm)	9.250 (235mm)	7.000 (177.8mm)	1.036 (26.3mm)	1.000 (25.4mm)	2.900 (73.7mm)	4.875 (123.8mm)
HMD3P	26.250 (666.8mm)	15.375 (390.5mm)	15.000 (381mm)	10.875 (276.2mm)	21.000 (533.4mm)	10.750 (273.1mm)	1.500 (38.1mm)	2.250 (57.2mm)	3.500 (88.9mm)	9.375 (238.1mm)
HMD4P	30.500 (774.7mm)	19.375 (492.1mm)	18.750 (476.3mm)	11.125 (282.6mm)	24.000 (609.6mm)	17.000 (431.8mm)	2.250 (57.2mm)	2.125 (54mm)	3.500 (88.9mm)	14.000 (355.6mm)
HMD5P	41.750 (1060.5mm)	23.563 (598.5mm)	25.000 (635mm)	18.188 (462mm)	33.375 (847.7mm)	21.000 (533.4mm)	2.536 (64.4mm)	2.750 (69.9mm)	3.625 (92.1mm)	17.625 (447.7mm)



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