

## THE D1 PORTABLE MAGNETIC DRILL

### AN ULTRA COMPACT DRILL WITH MAINTENANCE-FREE RAIL GUIDE

The **D1** is an ultra compact magnetic drilling machine with maximum capacity of 1-3/8" (35 mm) diameter in 2" (51 mm) thick material. The unit features an ultra light weight of 22 lbs (10 kg). A maintenance-free rail guide travel system eliminates the necessity for alignment, maintains accuracy and reduces cutter breakage.

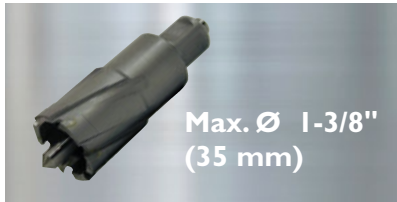
The **D1** is equipped with an electromagnetic Energy Saving Base (ESB) which uses only 50% of the power when the motor is not under load, dramatically increasing the operating life of the electromagnet, and a Magnetic Field Shape Control (MFSC) system which provides maximum holding power on thin material. A Magnetic Power Adhesion Control (MPAC) module detects adequate adhesive force of electromagnetic base before allowing drill activation for safe operation.

#### FEATURES

- 1-3/8" (36 mm) diameter x 2" (51 mm) depth of cut
- Ultra compact 14-3/4" working height (with coolant bottle)
- Adjustable cutter guard with built-in chip breaker
- Through spindle coolant system with removable reservoir
- Little maintenance with no gib adjustment and extreme accuracy
- Fewer parts which results in less run-out
- Lightweight – only 22 pounds
- Safe magnet™ circuitry recognizes magnetic holding power
- Spring slug ejecting arbor system
- Magnet is 1/3 smaller, lighter and yet stronger
- Magnet uses 50% power when motor is not under load
- Maintenance free rail guide system
- Advanced motor for easy field service
- All aluminum parts are heat treated for rigidity



**Steelmax**  
The tools of innovation.



**Standard shipping set:**

- Magnetic base drilling machine
- Metal box
- Swarf shield/Cutter guard
- Coolant bottle assembly
- Safety chain with snap hook
- Allen wrench hex s=4
- Instruction manual
- Standard shipping weight – 36 lbs (16.7 kg)

<b>D1 Technical Specifications</b>		
Tool holder	3/4" (19 mm) Weldon	
Milling cutter (Core drill) Ø	max 1 3/8" (36 mm)	
Countersinking Ø	1 9/16" max (40 mm)	
Stroke	2 3/4" (70 mm)	
Max depth of cut	2" (51 mm)	
Voltage	115V/60Hz or 230V/50Hz	
Power consumption [W]	1000	
Motor power [W]	920	
Speed [rpm]	350	
Overload protection	yes – 115V/60Hz yes – 230V/50Hz	
MPAC (Magnetic Power Adhesion Control)	yes	
MFSC (Magnetic Field Shape Control)	yes	
ESB (Energy Saving Base)	yes	
Magnet – on 1" (25 mm) plate	Dead lift	Drill point breakaway
	2135 lbs (968 kg)	859 lbs (389 kg)
Magnet base dimensions	3-1/8 x 6-5/16 x 1-7/16" 80 x 160 x 36.5 mm	
Minimum workpiece thickness	1/4" (6 mm)	
Weight	22 lbs (10 kg)	
Part number	<b>SM-D1</b> (115V/60Hz) <b>SM-D1-230</b> (230V/50Hz)	

All information is subject to change without notice.



6200 S.Troy Circle, Suite 110, Centennial, CO 80111

For ordering and customer service, or to request detailed product information or demonstration videos, contact:



1-87STEELMAX

STEELMAX.COM

sales@Steelmax.com

Fax: 303-690-9172