

THE D1 MAGNETIC BASE DRILL PRESS

AN ULTRA COMPACT DRILL WHICH COMBINES PORTABILITY WITH PERFORMANCE

This small and lightweight hole cutting machine is the go anywhere tool and is ideal for tight spots and out of position work. Weighing only 22 pounds, the **D1** can be carried and positioned rapidly with less operator fatigue. Its compact, highly-efficient electric motor packs a powerful 1000 watt punch that provides the power and performance where and when you need it. The **D1** incorporates advanced technology that will ensure the safe dependable operation required to accomplish your projects on time and at reduced costs.

The revolutionary rail guided gib design of the **D1** requires no maintenance or realignment and eliminates the spindle run out which causes costly and dangerous annular cutter breakage. To reduce the risk of operator injury, the **D1** features an intelligent electromagnetic base which detects the strength of its magnetic field and will not permit unsafe operation by automatically disabling the drill motor. A permanently attached adjustable swarf shield adds further protection for the operator from spinning and flying metal chips and swarf.

To prevent overheating and premature failure of the electromagnet, the **D1** is equipped with an Energy Saving Base (ESB) which uses only 50% power when the motor is not under load. A Magnetic Field Shape Control (MFSC) system controls the penetration of the magnetic field to provide maximum holding power on thin material down to 1/4".

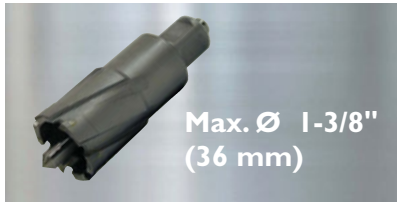
FEATURES

- Annular Cutter capacity of 1-3/8" (36 mm) diameter x 2" (51 mm) depth of cut
- Ultra compact 14-3/4" working height (with coolant bottle)
- Motor Overload Protection with automatic shut off
- Adjustable cutter guard with built-in chip breaker
- Through spindle coolant system with removable bottle for easy filling
- Spring loaded slug ejection arbor system
- Magnet uses 50% power when motor is not under load
- Maintenance free rail guide system
- Advanced motor design for easy field service
- All aluminum parts are heat treated for rigidity



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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)



D1 Technical Specifications		
Tool holder	3/4" (19 mm) Weldon	
Annular 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	920 W 1.2 HP	
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	SM-D1 (115V/60Hz) SM-D1-230 (230V/50Hz)	

All information is subject to change without notice.



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

