

THE D2x PORTABLE MAGNETIC DRILL

PURPOSE-DESIGNED PRODUCTION DRILLING MACHINE

The **D2x** is a powerful magnetic drilling machine with a high-torque 1260 watt electric motor and a 2" (51 mm) hole capacity in 2" (51 mm) thick material. It features a revolutionary service-friendly design which incorporates a semi-automatic, self-adjusting gib that requires little maintenance and provides accurate hole cutting. A unique replaceable spline on the end of the armature shaft reduces maintenance and labor costs.

Equipped with an electromagnetic Energy Saving Base (ESB), the **D2x** uses only 50% of the power when the motor is not under load, which dramatically increases the operating life of the electromagnet. A Magnetic Field Shape Control (MFSC) system provides maximum holding power on thin material. A Magnetic Power Adhesion Control (MPAC) module detects an adequate adhesive force of electromagnetic base for safe operation.

FEATURES

- 2" (51 mm) diameter x 2" (51 mm) depth of cut
- Unique self-adjusting gib system extends cutter life
- Through-spindle coolant system with integrated reservoir
- Safe magnet™ circuitry recognizes magnetic holding power
- Powerful 1260W motor and all metal housing make the **D2x** a production tool
- 2-speed gearbox works with twist bits to 7/8" and annular cutters to 2" diameter
- Integrated gearbox housing with slide
- Adjustable cutter guard with built-in chip breaker
- Semi-automatic gib backlash adjustment
- Energy Saving Base (ESB)
- Magnetic Power Adhesion Control (MPAC)
- Magnetic Field Shape Control (MFSC)



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D2x Technical Specifications		
Spindle	MT2	
Tool holder	3/4" (19 mm) Weldon	
Milling cutter (Core drill) Ø	max 2" (51 mm)	
Twist drill Ø	max 7/8" (23 mm)	
Countersinking Ø	max 2" (51 mm)	
Stroke	6" (153 mm)	
Max depth of cut	2" (51 mm)	
Voltage	115V/60Hz or 230V/50Hz	
Power consumption [W]	1300	
Motor power [W]	1260	
Speeds [rpm]	200 400	
MFSC (Magnetic Field Shape Control)	yes	
Magnet – on 1" (25 mm) plate	Dead lift	Drill point breakaway
	2697 lbs (1223 kg)	1074 lbs (487 kg)
Magnet base dimensions	3-9/16" x 7-1/16" x 1-7/8" (90 x 180 x 48 mm)	
ESB (Energy Saving Base)	yes	
MPAC (Magnetic Power Adhesion Control)	yes	
Minimum workpiece thickness	5/16" (8 mm)	
Semi-automatic gib backlash adjustment	yes	
Weight	35 lbs 5 oz (16.5 kg)	
Part number	SM-D2x (115V/60Hz) SM-D2x-230 (230V/50Hz)	

Standard shipping set:

- Magnetic base drilling machine
- Metal box
- MT2 Arbor with 3/4" (19 mm) Weldon Bore – with cooling ring
- Swarf shield/Cutter guard
- Coolant bottle assembly
- Safety chain
- Set of tools with wedge
- Instruction manual
- Standard shipping weight – 56 lbs 5 oz (26.1 kg)

All information is subject to change without notice.



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