

## 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 3" (76 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 3" (76 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	3" (76 mm)	
Voltage	115V/60Hz or 230V/50Hz	
Power consumption [W]	1300	
Motor power	1260 W 1.7 HP	
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	<b>SM-D2x</b> (115V/60Hz) <b>SM-D2x-230</b> (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.



112 Inverness Circle E, Ste F, Englewood, CO 80112

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

