

## THE D4x PORTABLE MAGNETIC DRILL

### POWER & PERFORMANCE: HEAVY-DUTY DRILLING MACHINE

The **D4x** is equipped with a 4-speed mechanical gearbox and a motor overload protection system with LED indicator. Its precision and durability are significantly increased thanks to the one piece gearbox housing and slide. Unique semi-automatic gib adjustment system enables simple, fast and always correct fine tuning without any expert knowledge or experience. Replaceable spline at the end of the armature shaft eliminates laborious and expensive armature maintenance. Compact design allows drilling very close to vertical surface.

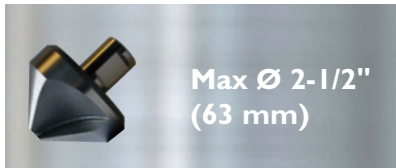
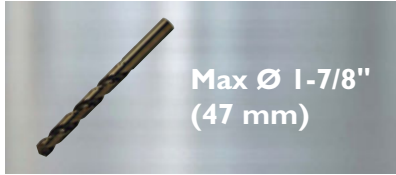
The **D4x** is equipped with a Magnetic Field Shape Control (MFSC) system which provides maximum holding power on thin material. A Magnetic Power Adhesion Control (MPAC) module detects an adequate adhesive force of electromagnetic base for safe operation.

#### FEATURES

- 4-3/8" (111 mm) diameter x 3" (76 mm) depth of cut
- Purpose-designed motor with heavy-duty 4-speed gearbox
- Overload protection with LED indicator
- Multi-function machine with Morse Taper No. 4
- Maintenance-friendly design
- Gear box and slide system made as one piece
- Safe magnet™ circuitry recognizes magnetic holding power
- Semi-automatic gib backlash adjustment
- Integrated gear box housing with slide
- Motor soft start
- Magnetic Power Adhesion Control (MPAC)
- Magnetic Field Shape Control (MFSC)



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**Standard shipping set:**

- Magnetic base drilling machine
- Metal box
- MT4 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 – 82 lbs 6 oz (38.2 kg)

**Attention:**

Standard shipping set of **D4x** includes MT4 Arbor with 3/4" (19 mm) Weldon Bore that accepts cutters up to 2-5/16" (60 mm) diameter.

Optional MT4 Arbor with 1-1/4" (32 mm) Weldon Bore for cutters of larger diameters available.

Please refer to optional tapping accessories. See brochure in this section.

D4x Technical Specifications		
Spindle	MT4	
Tool holder	3/4" (19 mm) Weldon	
Milling cutter (Core drill) Ø	max 4-3/8" (111 mm)	
Twist drill Ø	max 1-7/8" (47 mm)	
Countersinking Ø	max 2-1/2" (63 mm)	
Max tap size	M30 (special tapping attachment required)	
Stroke	9-1/16" (230 mm)	
Max depth of cut	3" (76 mm)	
Voltage	115V/60Hz or 230V/50Hz	
Power consumption [W]	1800	
Motor power	1650W 2.2 HP	
Speeds [rpm]	85/135 and 160/250	
MFSC (Magnetic Field Shape Control)	yes	
Overload protection	yes	
Overload LED protection	yes	
Magnet – on 1" (25 mm) Plate	Dead lift	Drill point breakaway
	4945 lbs (2242 kg)	1945 lbs (882 kg)
Magnet base dimensions	4-3/4" x 9-7/16" x 2-1/2" (120 x 240 x 63 mm)	
MPAC (Magnetic Power Adhesion Control)	yes	
Minimum workpiece thickness	3/8" (10 mm)	
Semi-automatic gib backlash adjustment	yes	
Weight	66 lbs 3 oz (31 kg)	
Part number	<b>SM-D4x</b> (115V/60Hz) <b>SM-D4x-230</b> (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:

