

D4x PORTABLE MAGNETIC DRILL

POWER & PERFORMANCE: HEAVY-DUTY DRILLING MACHINE

The **D4x** heavy-duty magnetic drilling machine from steelmax is equipped with a 4-speed mechanical gearbox and a high-torque 1,650 Watt motor with overload protection to tackle the toughest hole-making requirements. Its precision, durability and reliability are significantly enhanced due to its one-piece gearbox housing and slide. Our unique semi-automatic gib adjustment system enables simple, fast and precise fine tuning without any expert knowledge or experience. A replaceable spline on the end of the armature shaft eliminates laborious and expensive armature maintenance.

The **D4x** is equipped with our proprietary Magnetic Field Shape Control (MFSC) system which provides maximum holding power on thin material (down to 3/8" thick), a Magnetic Power Adhesion Control (MPAC) module which detects adequate adhesive force for safe operation and our Safe magnet™ circuitry which will not allow the drill to function in unsafe conditions.

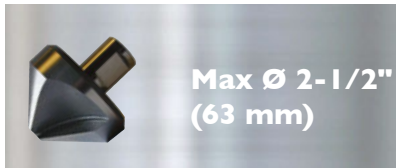
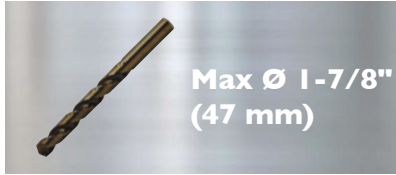
FEATURES

- 4-3/8" (111 mm) diameter x 3" (76 mm) depth of cut
- Purpose-designed 1,650 Watt motor with heavy-duty 4-speed gearbox
- Soft start circuitry and motor overload protection with LED indicator
- Morse Taper No. 4 for maximum capability and flexibility
- Maintenance-friendly design
- Gear box and slide system made as one piece
- Semi-automatic gib backlash adjustment
- Safe Magnet™ circuitry recognizes magnetic holding power
- Magnetic Power Adhesion Control (MPAC)
- Magnetic Field Shape Control (MFSC)



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Standard shipping set:

- Magnetic base drilling machine
- Metal shipping 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 2-3/8" (60 mm) diameter.

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

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	1650 W 2.2 HP	
Speeds [rpm]	85/135 and 160/250	
MFSC (Magnetic Field Shape Control)	yes	
Overload protection	yes	
LED Overload 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	SM-D4x (115V/60Hz) SM-D4x-230 (230V/50Hz)	

Optional Accessories:

SM-DC-MT4-13	Morse Taper #4, 1/2" drill chuck
SM-DC-MT4-20	Morse Taper #4, 3/4" drill chuck
SM-UCW-0191-02-00-00-0	Morse Taper #4, arbor for 1-1/4" shank cutters

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

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