

THE D1 PRO PORTABLE MAGNETIC DRILL

HIGH PRODUCTION DRILLING MACHINE FOR THE PROFESSIONAL STEEL FABRICATOR

The Steelmax **D1 PRO** is an all purpose drilling machine for the steel fabricator that demands dependable and versatile production tools. Lightweight and portable, this single-speed drill features a powerful 1020 watt motor cable of milling with annular cutters up to 1-9/16" (40 mm) diameter holes with a 2" (50 mm) depth of cut. By adding the optional three jaw drill chuck, it can be used with twist drills up to 5/8" (16 mm) diameter.

The **D1 PRO** is equipped with the most advanced electromagnetic technology. By using only 50% of the power when the motor is not under load, the Energy Saving Base (ESB) reduces excessive heat build-up and 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 Module (MPAC) detects the adhesive force of the electromagnetic base and prevents drill activation when there is insufficient adhesive power, protecting both the machine and the operator.

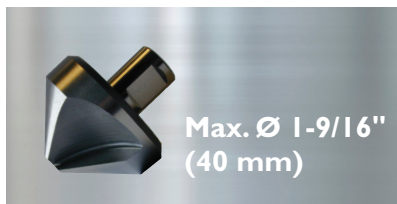
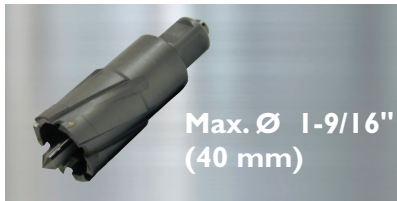
FEATURES

- Up to 2" depth of cut
- Magnetic Power Adhesion Control (MPAC)
- Magnetic Field Shape Control (MFSC)
- Energy Saving Base (ESB)
- Equipped with Swarf shield and coolant bottle assembly



Steelmax

The tools of innovation.



Standard shipping set:

- Magnetic base drilling machine
- Metal box
- 3/4" (19 mm) Weldon Arbor – with cooling ring
- Swarf shield/Cutter guard with guideway
- Coolant bottle assembly
- Safety chain
- Set of tools
- Instruction manual
- Standard shipping weight – 39 lbs (18 kg)

D1 PRO Technical Specifications	
Tool holder	3/4" (19 mm) Weldon
Milling cutter (Core drill) Ø	max 1-9/16" (40 mm)
Twist drill Ø	max 5/8" (16 mm)
Countersinking Ø	max 1-9/16" (40 mm)
Stroke	4-7/8" (124 mm)
Max depth of cut	2" (51 mm)
Voltage	110-120 V 50/60 Hz or 220-240 V 50/60 Hz
Power consumption [W]	1140
Motor power [W]	1020
Speed under load [rpm]	440
MPAC (Magnetic Power Adhesion Control)	yes
MFSC (Magnetic Field Shape Control)	yes
ESB (Energy Saving Base)	yes
Magnetic Clamping Force [N] (25 mm, Ra=1.25)	9800 (2200 lbs)
Magnet base dimensions	3-5/16 x 6-5/8 x 1-5/8" (84 x 168 x 41.5 mm)
Minimum workpiece thickness	1/4" (6 mm)
Noise level	above 85 dB
Surrounding temperature	32°F to 104°F (0°C to 40°C)
Length of power cord	9.8 ft (3.0 m)
Weight	28 lbs (12.7 kg)
Part numbers	SM-D1PRO SM-D1PRO-230

Selected additional accessories:

SM-UCW-0260-13-00-00-0	Quick change 3/4" (19 mm) Weldon Arbor – with cooling ring
SM-TLJ-0197-10-00-03-0	Adapter/Arbor Weldon 19 x 1/2" - 20 UNF
SM-DC-PRO40	Drilling Chuck 16-1/2" - 20 UNF

Second and third items necessary for use of machine with twist drills.



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