

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 capable of drilling with annular cutters up to 1-9/16" (40 mm) diameter holes through 2" (50 mm) thick material. The optional three jaw drill chuck can be used with solid, twist drills up to 5/8" (16 mm) diameter.

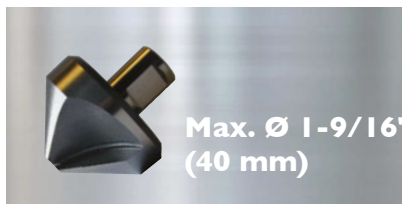
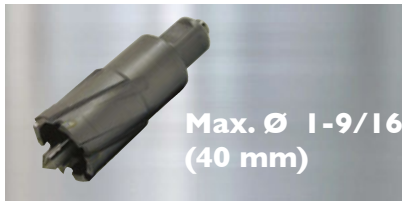
The **D1 PRO** is equipped with the most advanced electromagnetic technology. Using only 50% power when the motor is not under load, the Energy Saving Base (ESB) reduces excessive heat build-up and dramatically increases the operating life of the electromagnet. Our Magnetic Field Shape Control (MFSC) system provides maximum holding power on thin materials. The integrated 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 1-9/16" diameter and 2" depth of cut
- Magnetic Power Adhesion Control (MPAC)
- Magnetic Field Shape Control (MFSC)
- Energy Saving Base (ESB)
- Comes complete with swarf shield and coolant bottle assembly



Steelmax
The tools of innovation.



Standard shipping set:

- Magnetic base drilling machine
- Metal shipping 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 – 44 lbs

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	1020 W 1.4 HP
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

Optional Accessories:

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

*Items necessary for use with twist drill bits.



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

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