

# Portable Drilling Machine

## PRO 51

The PRO 51 is a powerful magnetic drilling machine with a high torque 1260 watt electric motor and a 2" (50 mm) hole capacity in 2" (50 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 replacable spline on the end of the armature shaft eliminates laborious and expensive armature maintenance.

Service Friendly

Semi-automatic  
Gib Backlash  
Adjustment

Integrated Gearbox  
Housing with Slide

Energy Saving  
Base (ESB)



Two Speed  
Gearbox

Magnetic Power  
Adhesion Control  
(MPAC)

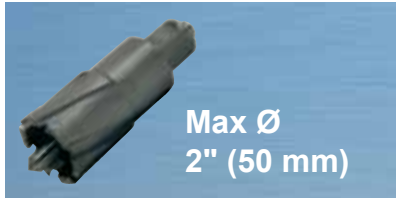
Magnetic Field  
Shape Control  
(MFSC)

The PRO 51 is equipped with an electromagnetic energy saving base (ESB) which uses only 50% of the power when the motor is not under load, and a magnetic field shape control system (MFSC) which provides maximum holding power on thin material. A magnetic power adhesion control module (MPAC) detects an adequate adhesive force of electromagnetic base for safe operation.



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Standard shipping set:

- Magnetic Base Drilling Machine
- Metal Box
- MT2 Arbor with 19mm Weldon Bore – with cooling ring
- Swarf Shield/Cutter Guide
- Coolant Bottle Assembly
- Safety Chain
- Set of Tools with Wedge
- Instruction Manual
- Standard shipping weight – 56 lbs 5 oz (26.1 kg)

PRO 51 Technical Specifications		
Spindle	MT2	
Tool holder	3/4" (19 mm) Weldon	
Milling Cutter (Core drill) Ø	max 2" (50 mm)	
Twist drill Ø	max 7/8" (23 mm)	
Countersinking Ø	max 2" (50 mm)	
Stroke	6" (153 mm)	
Max depth of cut	2" (51 mm)	
Voltage	115V/60Hz or 230V/50 Hz	
Power consumption [W]	1300	
Motor Power [W]	1260	
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	
Min. Workpiece Thickness	5/16" (8 mm)	
Semi-automatic gib backlash adjustment	yes	
Weight	35 lbs 9 oz (16.5 kg)	
Part Number	PRO51 (115V//60Hz) PRO51-230 (230V//50Hz)	

\*All information subject to change without notice.



Manufactured to ISO 9001:2000  
Standards by Promotech

PRO 51 BRO-0110