

PRO 51 | Universal drilling machine

PRO 51 is a new generation magnetic drilling machine with Morse Taper No. 2

Superior features of PRO51 include:

- compact design
- gear box and slide system made as one piece
- excellent ratio weight / power
- maintenance friendly design
- purpose designed motor with heavy duty gear box
- maintenance friendly rail guide system

Unique semi-automatic gib adjustment system (patent pending) enables simple, fast and always correct fine tuning without any expert knowledge or experience. Replaceable spline at the end of armature shaft eliminates laborious and expensive armature maintenance. Compact design allows the operator to drill very close to side wall and corners.

Semi-automatic
gib adjustment

Service friendly

Integrated Gearbox
Housing with Slide

2-Speed Gearbox

Magnetic Field
Shape Control
(MFSC)

Magnetic Power
Adhesion Control
(MPAC)

Energy Saving
Base (ESB)



PRO 51 is equipped with the latest generation of electromagnetic energy saving base (ESB) with magnetic field shape control system (MFSC) and magnetic power adhesion control module (MPAC), which detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin workpieces.



Core drill
max 51 mm



Twist drill
max 23 mm



Spindle
MT2



Depth of cut
51 mm



Stroke
153 mm



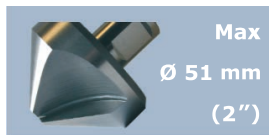
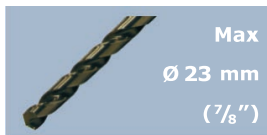
Speed
200, 400 rpm



Motor Power
1260 W



Weight
16,5 kg



PRO 51 - Technical specification	
Motor Speed (under load)	200, 400 rpm
Motor Power	1.260 W
Weight	16,5 kg (35 lbs 9 oz)
Max milling capacity	Ø 51 mm (2")
Max drilling capacity	Ø 23 mm (7/8")
Max countersinking	Ø 51 mm (2")
Stroke	153 mm (6")
Max depth of cut	51 mm (2")
Voltage	115V/60Hz or 230V 50/60 Hz
Power consumption	1.300 W
Semi-automatic gib adjustment	yes
MPAC	yes
MFSC	yes
ESB	yes
Magnetic clamping force	1224 kG (12000 N) /25mm, Ra=1,25/
Magnet Base Dimensions	90 x 180 x 48 mm 3-9/16 x 7-1/16 x 1-7/8 (")
Min. Workpiece Thickness	8 mm (5/16")
Spindle	MT2
Tool holder	19 mm (3/4") Weldon

■ 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 with Snap Hook
- Set of Tools with Wedge
- Operator's Manual (English)
- Standard shipping weight – 26,1 kg (56 lbs 5 oz)

■ Selected additional accessories:

- UCW-0285-03-00-00 Quick Change AMTE2-C19/2-2 Continuous Cooling Arbor with Ring
- PDS-0110-03-00-01-0 DMP0251 Pipe Attachment
- PDS-0111-03-00-01-0 DMP0501 Pipe Attachment
- KNC-0399-09-00-00-0 Cooling attachment for twist drilling

