PROMOTECH®

smart tools
for heavy tasks

FM 37982

PRO-51 | UNIVERSAL DRILLING MACHINE

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

The drill is equipped with the latest generation of electromagnetic base 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. Energy Saving Base (ESB) uses only 50% of its power when motor is not running.

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.

Superior features of PRO-51 include:

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



Core drill	Twist drill	Spindle	Depth of cut	Stroke	Speed	Power	Weight
max 51 mm	max 23 mm	MT2	51 mm	153 mm	200, 400 rpm	1300 W	16,5 kg



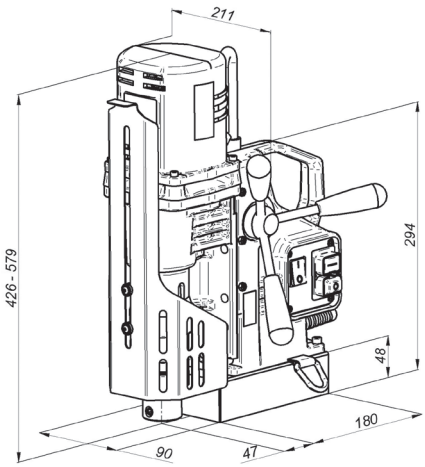




PRO-51 TECHNICAL SPECIFICATION	
Motor Speed (under load)	200, 400 rpm
Power	1300 W
Weight	16,5 kg (35 lbs 9 oz)
Max milling capacity	51 mm (2")
Max drilling capacity	23 mm (7/8")
Max countersinking	51 mm (2")
Stroke	153 mm (6")
Max depth of cut	51 mm (2")
Voltage	1~ 110–120 V, 50–60 Hz 1~ 220–240 V, 50–60 Hz
Semi-automatic gib adjustment	yes
MPAC (Magnetic Power Adhesion Control)	yes
MFSC (Magnetic Field Shape Control)	yes
ESB (Energy Saving Base)	yes
Magnetic clamping force	1224 kgf (12000 N) /25 mm, 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
Product Code 220–240 V, 50–60 Hz	WRT-0399-10-20-00-0
Product Code 110–120 V, 50–60 Hz	WRT-0399-10-10-00-0

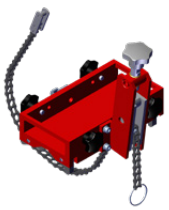




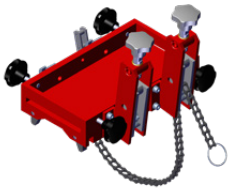


Standard shipping set:

- Magnetic Base Drilling Machine
- Metal Box
- MT2 Arbor with 19 mm 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
- Standard shipping weight – 26,1 kg (56 lbs 5 oz)



Pipe attachment DMP 251



Pipe attachment DMP 501

Selected additional accessories:

- UCW-0285-03-00-00-0 Quick Change AMTE2-C19/2-2 Continuous Cooling Arbor with Ring
- PDS-0110-03-00-01-0 Pipe attachment DMP 251 for pipes with diameters of 80–250 mm (3–10")
- PDS-0111-03-00-01-0 Pipe attachment DMP 501 for pipes with diameters of 150–500 mm (6–20")
- KNC-0399-09-00-00-0 Cooling attachment for twist drilling
- PDS-0587-10-00-00-0 Vacuum pad
- ZSP-0587-11-00-00-0 Compressed air ejector



Compressed air ejector



Vacuum pad

All information is subject to change without notice. 23.03

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