

# PRO 111 DRILLING MACHINE

<sup>®</sup>**PROMOTECH**

PRO 111 is the newest heavy duty machine with Morse Taper No. 4. It is designed for cutting holes up to 111 mm (4-3/8") diameter or drilling holes up to 47 mm (1-7/8") diameter. It has got 4-speed mechanical gear box.

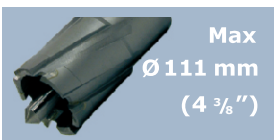
PRO 111 is equipped with motor overload protection system with LED indicator. Its precision and durability are significantly increased thanks to the one piece gearbox housing and slide.

Unique semi-automatic gib adjustment (Promotech's patent pending) enables simple, fast and repeatable regulations without any expert knowledge or experience. Replaceable spline at the end of armature shaft eliminates laborious and expensive armature maintenance. Compact design allows for drilling very close to vertical surface.

PRO 111 is equipped with electromagnetic base featuring 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.

Standard shipping set of PRO 111 includes MT4 Arbor with 3/4" (19 mm) Weldon Bore that accept cutters up to 2-5/16" (60 mm) diameter. Optional MT4 Arbor with 32 Weldon Bore for cutters of larger diameter is available.





Max  
Ø 111 mm  
(4 3/8")



Max  
Ø 47 mm  
(1 7/8")

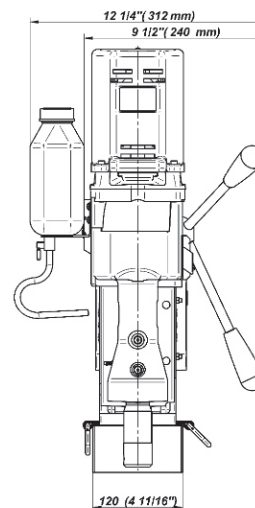
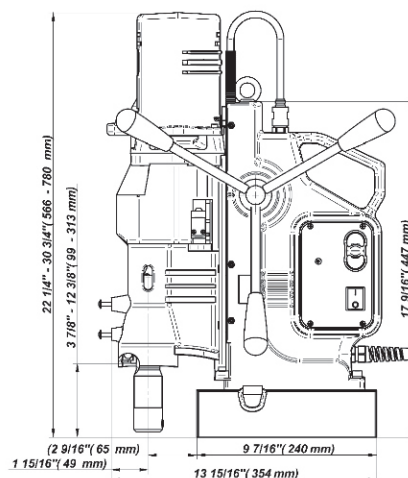


Max  
Ø 63 mm  
(2 1/2")



M 30

PRO 111 - Technical specification	
Spindle	MT4
Tool holder	19 mm (3/4") Weldon
Milling Cutter Core drill) Ø	max 111 mm (4-3/8")
Twist drill Ø	max 47 mm (1-7/8")
Countersinking Ø	max 63 mm (2 1/2")
Max Tap size	M30 (special tapping attachment required)
Stroke	230 mm (9-1/16")
Max depth of cut	76 mm (3")
Voltage	115V/60Hz or 230V 50/60Hz
Power consumption [W]	1800
Motor Power [W]	1650
Speeds [rpm]	85/135 160/250
MFSC (Magnetic Field Shape Control)	yes
Overload protection	yes
Overload LED protection	yes
Magnetic clamping force [N] (25mm, Ra=1,25)	22000
Magnet Base Dimensions	120 x 240 x 63 [mm] 4-3/4 x 9-7/16 x 2-1/2 ["]
MPAC (Magnetic Power Adhesion Control)	yes
Min. Workpiece Thickness	10 mm (3/8")
Semi-automatic gib adjustment	yes
Weight	31 kg (66 lbs 14 oz)
Product Code 230V 50/60Hz	WRT-0401-10-20-00-0
Product Code 115V/60Hz	WRT-0401-10-10-00-0



#### Standard shipping set:

- Magnetic base drilling machine
- Metal Box
- MT4 Arbor with 19mm Bore - Through Spindle Continuous Cooling
- Swarf Shield/Cutter Guard
- Coolant Bottle Assembly
- Safety Chain with Snap Hook, Set of Tools with Wedge
- Operator's Manual (English)
- Standard shipping weight – 38,2 kg (82 lbs 6 oz)

#### Selected additional accessories:

- UCW-0191-02-00-00-0 Through Spindle Continuous Cooling Arbor AMT4-U32/4-3
- PDS-0111-03-00-01-0 DMP0501 Pipe Attachment
- UKL-0440-16-00-00-0 Pressure Coolant System 2l

All information is subject to change without further notice. 2010/10

