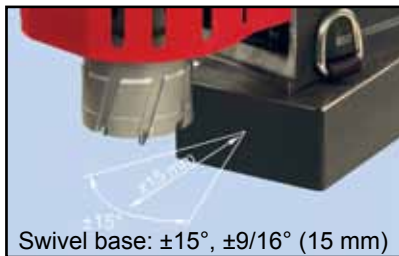


Portable Drilling Machine

PRO 76

The PRO 76 is a multifunction machine with Morse Taper No. 3. It is designed for cutting holes up to 3" (75 mm) diameter or drilling holes up to 1-1/4" (32 mm) diameter. It comes standard with a swivel base for easy alignment of your pilot with the hole's center location. It is equipped with a motor overload protection system, continuous speed adjustment, which works in two speed ranges. In addition, it has a state of the art Electronic Speed Stabilization System (ESSS), responsible for stabilizing the motor's speed under varying loads on the spindle. Its precision and durability are significantly increased thanks to gearbox housing and slide, made as one piece.

Swivel base is standard on all PRO 76



Motor Soft Start

Continuous Speed Adjustment

Overload Protection

Swivel Base



Electronic Speed Stabilization System (ESSS)

Service Friendly

Integrated Gearbox Housing with Slide

Semi-automatic Gib Backlash Adjustment

Magnetic Power Adhesion Control (MPAC)

Magnetic Field Shape Control (MFSC)

Unique semi-automatic gib backlash adjustment (patent pending) enables simple, fast and correct adjustments without any expert knowledge or experience. Replaceable spline at the end of armature shaft eliminates laborious and expensive armature maintenance. Compact design allows to drill very close to vertical surface.

The PRO 76 is equipped with 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.



Portable Drilling Machine

PRO 76



Standard shipping set:

- Magnetic Base Drilling Machine
- Metal Box
- MT3 Arbor with 19mm Bore - Through Spindle Continuous Cooling
- Swarf Shield/Cutter Guard
- Coolant Bottle Assembly
- Safety Chain
- Set of Tools with Wedge
- Instruction Manual
- Standard shipping weight – 86 lbs 5 oz (40 kg)

Attention: Standard shipping set of PRO 76 includes MT3 Arbor with 3/4" (19 mm) Weldon Bore that accepts cutters up to 2-5/16" (60 mm) diameter.

Optional MT3 Arbor with 32 Weldon Bore for cutters of larger diameters available.

PRO 76 Technical Specifications		
Spindle	MT3	
Tool holder	3/4" (19 mm) Weldon	
Milling Cutter (Core drill) Ø	max 3" (75 mm)	
Twist drill Ø	max 1-1/4" (32 mm)	
Countersinking Ø	max 2-1/2" (63 mm)	
Max Tap size	M24 (special tapping attachment required)	
Stroke	8-7/8" (225 mm)	
Max depth of cut	3" (76 mm)	
Voltage	115V/60Hz or 230V/50 Hz	
Power consumption [W]	1800	
Motor Power [W]	1650	
Speeds [rpm]	80 ÷ 160	
	210 ÷ 420	
Overload protection	yes	
ESSS (Electronic Speed Stabilization System)	yes	
Continuous Speed Adjustment	yes	
MFSC (Magnetic Field Shape Control)	yes	
Magnet - on 1" (25 mm) Plate	Dead Lift	Drill Point Breakaway
	4383 lbs (1987 kg)	1779 lbs. (806 kg)
Magnet Base Dimensions	4-5/16" x 8-11/16" x 2-3/16" (110 x 220 x 56 mm)	
MPAC (Magnetic Power Adhesion Control)	yes	
Swivel base	± 15°; + 9/16" (15mm)	
Min. Workpiece Thickness	3/8" (10 mm)	
Semi-automatic gib backlash adjustment	yes	
Weight	58 lbs 4 oz (27 kg)	
Part Number	PRO76 (115 Volt/60Hz) PRO76-230 (230 Volt/50Hz)	



Manufactured to ISO 9001:2000
Standards by Promotech

PRO 76 BRO-0110