PROMOTECH®

smart tools for heavy tasks

FM 37982

PRO-102 | FOUR-SPEED DRILLING MACHINE

PRO-102 is a powerful 4-speed mag drill enabling milling capacity up to 100 mm (4") and drilling up to 31.75 mm (1-1/4").

Thanks to innovative lightweight smart magnet PRO-102 weighs only 24,0 kg (52.9 lbs). Its rigid design extends tool life and semi-automatic gib adjustment enables simple, fast and correct operation to be done in a few easy steps.

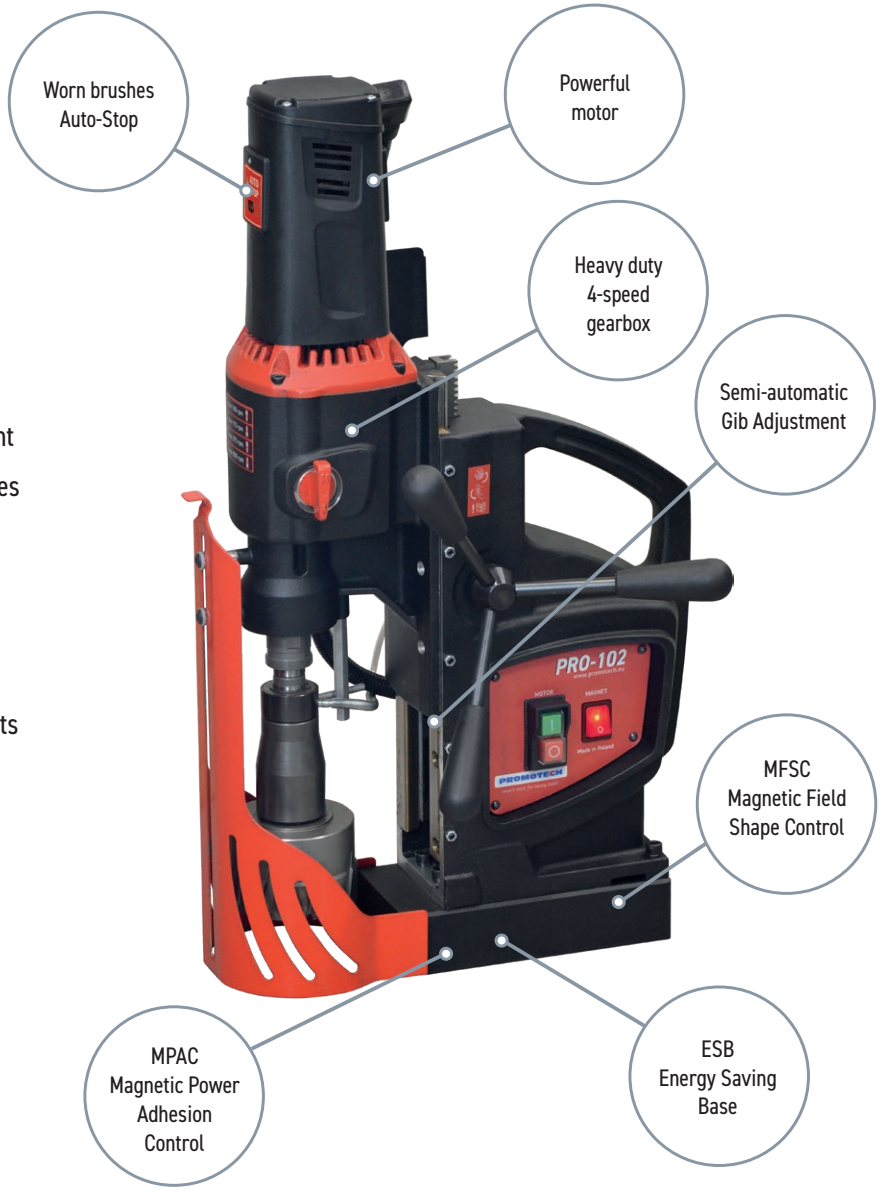
PRO-102 provides maximum holding power on thin materials thanks to Magnetic Field Shape Control (MFSC).

The drill protects both the machine and the operator from work on too thin workpiece by means of Magnetic Power Adhesion Control (MPAC).

PRO-102 is also equipped with Energy Saving Base (ESB) that uses only 50% of its power when motor is not running.

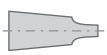
Features and benefits:

- powerful motor with heavy duty 4-speed gearbox
- milling with TCT or HSS cutters or drilling
- rigid design extends tool life
- innovative smart magnet with reduced weight
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Magnetic Power Adhesion Control (MPAC) detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin workpiece
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running
- The motor stops automatically when the brushes are worn out (it is necessary to replace the brushes to restart the motor)
- semi-automatic gib adjustment
- lightweight design



Core drill max 100 mm (4")

Twist drill max 31.75 mm (1-1/4")


Spindle MT3

Depth of cut 100 mm (4")

Stroke 225 mm (9")

Speed 100 rpm, 175 rpm 275 rpm, 500 rpm

Power 1650 W

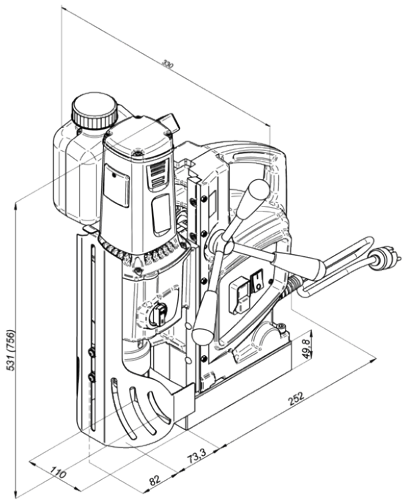
Weight 24 kg (52.9 lbs)

Worn brushes Auto-Stop

PRO-102 TECHNICAL SPECIFICATION	
Motor Speeds (under load)	100 rpm (gear I), 175 rpm (gear II), 275 rpm (gear III) 500 rpm (gear IV)
Power	1650 W
Weight	24 kg (52.9 lbs)
Max milling capacity TCT/HSS	100/80 mm (4"/3-1/8")
Max drilling capacity	31.75 mm (1-1/4")
Max countersinking	63 mm (2-1/2")
Stroke	225 mm (9")
Max depth of cut	100 mm (4") *
Voltage	1~ 220–240 V, 50–60 Hz 1~ 110–120 V, 50–60 Hz
Semi-automatic gib adjustment	yes
MFSC (Magnetic Field Shape Control)	yes
MPAC (Magnetic Power Adhesion Control)	yes
ESB (Energy Saving Base)	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1835 kgf (18000N)
Magnet Base Dimensions	110 mm x 220 mm x 49,8 mm 4-5/16" x 8-11/16" x 1-15/16"
Min. Workpiece Thickness	10 mm (3/8")
Spindle	MT3
Tool holder	19 mm (3/4") Weldon
Product Code 220–240 V, 50–60 Hz Product Code 110–120 V, 50–60 Hz	WRT-0710-10-20-00-0 WRT-0710-10-10-00-0

** If more than 60 mm (2.36"), use an MT3 arbor with 32 mm Weldon tool holder up to 100 mm (4") depth (UCW-0563-22-00-00-0) or MT3 arbor with 32 mm Weldon tool holder up to 50 mm (2") depth (UCW-0739-04-00-00-0)*

Dimensions:



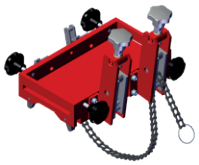
Milling capacity up to 100mm (4")
Max depth up to 100 mm (4")
Max stroke up to 225 mm (9")

Drilling capacity up to 31.75 mm (1-1/4")
Lightweight design of 24 kg (52.9 lbs) only

Standard shipping set:

- Drilling machine
- Metal box
- Handle (3 pcs)
- MT3 arbor with 19 mm (0.75") Weldon tool holder
- Safety strap
- Cooling system
- Protective spring for cooling hose
- MT3 drift
- 5 mm hex wrench
- 5 mm hex wrench with a handle
- 2.5 mm hex wrench
- 8 mm combination wrench
- Tool can
- Operator's Manual

Optional accessories:



Pipe attachment DMP 501 for pipes with diameters of 150–500 mm (6–20")
Product code: PDS-0111-03-00-01-0

Arbor MT3 x 32 mm Weldon for drilling diameter over 60 mm (2.3") up to 50 mm (2") depth
Product code: UCW-0739-04-00-00-0

Arbor MT3 x 32 mm Weldon for drilling diameter over 60 mm (2.3") up to 100 mm (4") depth
Product code: UCW-0563-22-00-00-0

Pressure cooling system capacity of 2 liters
Product code: UKL-0440-16-00-00-0

All information is subject to change without notice. 26.08

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