

PROMOTECH®

MILLING



DRILLING



TAPPING



PUNCHING



*smart tools
for heavy tasks*

**HOLEMAKING
MACHINES**

CATALOGUE

PROMOTECH – PROFESSIONAL MANUFACTURER OF PREMIUM MACHINES FOR METALWORKING INDUSTRY

PROMOTECH is an innovation driven ISO 9001:2015 manufacturer of professional metalworking machines, welding automation equipment and industrial systems designed for structural steel fabricators, heavy machinery manufacturers, shipyards and other metal machining companies

Main product lines:

- mag drills, pneumatic drills, rail drills and hydraulic punchers
- weld preparation/portable and stationary bevellers for plates and pipes
- welding and cutting portable mechanisation equipment
- welding and cutting automated systems

Our products:

- offer solutions to reduce cost and increase productivity
- are designed and engineered for long term use in tough industrial conditions
- meet the requirements of the most demanding clients and markets worldwide
- are made in Poland according to the highest quality standards
- include top quality components
- are thoroughly tested for quality approval
- proved to be extremely reliable with a variety of practical applications in most difficult climatic environments



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HOLEMAKING

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www.promotech.eu

Compact Mag Drills


PRO-36

PRO-36 AUTO

PRO-36 BATTERY

PRO-36 PM BATTERY

PRO-36 PM

PRO-36 T3

Motor Speeds (under load)	350 rpm	350 rpm	260 rpm	260 rpm	350 rpm	350 rpm
Milling capacity	36 mm	36 mm	36 mm	36 mm	36 mm	36 mm
Drilling capacity	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm
Stroke	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm
Depth of cut	51 mm	51 mm	50 mm	50 mm	50 mm	51 mm
Power	1020 W	1020 W	450 W	400 W	1020 W	1020 W
Weight	10 kg	13.5 kg	11.5 kg (with 4.0 Ah Battery)	14.5 kg (with 4.0 Ah Battery)	13.2 kg	11 kg
Spindle	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon
Tool holder	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon

Compact Mag Drills


PRO-36 AD

PRO-40 AD

Motor Speeds (under load)	370 rpm	370 rpm
Milling capacity	36 mm	40 mm
Drilling capacity	12 mm	12 mm
Stroke	39 mm	45 mm
Depth of cut	30 mm	40 mm
Power	1020 W	1100 W
Weight	9.5 kg	10 kg
Spindle	19 mm (3/4") Weldon	19 mm (3/4") Weldon
Tool holder	19 mm (3/4") Weldon	19 mm (3/4") Weldon

Medium-sized Mag Drills


PRO-40

PRO-50

PRO-50 TCT

Motor Speeds (under load)	440 rpm	240/480 rpm	320/640 rpm
Milling capacity	40 mm	50 mm	45 mm
Drilling capacity	16 mm	23 mm	18 mm
Stroke	160 mm	160 mm	160 mm
Depth of cut	50 mm	75 mm	75 mm
Power	1100 W	1150 W	1150 W
Weight	13 kg	15.5 kg	15.5 kg
Spindle	19 mm (3/4") Weldon	MT2	MT2
Tool holder	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon

Medium-sized Mag Drills


PRO-55

PRO-62

PRO-72

PRO-102

Motor Speeds (under load)	200/400 rpm	160/390 rpm	160/390 rpm	100/175/275/500 rpm
Milling capacity	55 mm	65 mm	70 mm	100 mm
Drilling capacity	16 mm	16 mm	25 mm	31.75 mm
Stroke	160 mm	95 mm	190 mm	225 mm
Depth of cut	75 mm	75 mm	75 mm	100 mm
Power	1100 W	1600 W	1600 W	1650 W
Weight	15 kg	17 kg	18 kg	24 kg
Spindle	19 mm (3/4") Weldon	19 mm (3/4") Weldon	MT3	MT3
Tool holder	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") or 32 mm (1-1/4") Weldon	19 mm (3/4") or 32 mm (1-1/4") Weldon

Tapping & Drilling Machines


PRO-52T

PRO-72T

PRO-122T SB

PRO-152T

Motor Speeds (under load)	160-250/390-580 rpm	120-190/290-450 rpm	75-110/135-200/220-320/390-570 rpm	55-85/100-150/200-300/350-520 rpm
Milling capacity	50 mm	70 mm	120 mm	150 mm
Tap size	M20	M20	M30	M42
Drilling capacity	23 mm	25 mm	31.75 mm	47 mm
Stroke	190 mm	190 mm	225 mm	260 mm
Depth of cut	75 mm	75 mm	100 mm	100 mm
Power	1600 W	1600 W	2300 W	2300 W
Weight	17 kg	18 kg	28.5 kg	31 kg
Spindle	MT2	MT3	MT3	MT4
Tool holder	19 mm (3/4") Weldon	19 mm (3/4") or 32 mm (1-1/4") Weldon	19 mm (3/4") or 32 mm (1-1/4") Weldon	19 mm (3/4") or 32 mm (1-1/4") Weldon

ATEX Drills for Hazardous Environments



	PRO-40 AD ATEX	PRO-50/2 ATEX	PRO-200A ATEX
Milling capacity	40 mm	50 mm	200 mm
Drilling capacity	16 mm	20 mm	45 mm
Stroke	40 mm	150 mm	400 mm
Depth of cut	25 mm	50 mm	100 mm
Power	800 W	800 W	3650 W
Weight	15 kg	24,5 kg	130 kg

Rail Drilling Machines for all Rail Standards



	PRO-36R electric	PRO-36R Battery	PRO-36RH petrol
Milling capacity	36 mm	36 mm	36 mm
Drilling capacity	16 mm	16 mm	16 mm
Stroke	40 mm	40 mm	39 mm
Depth of cut	30 mm	30 mm	30 mm
Power	1020 W	450 W	1500 W
Weight	14.5 kg	14.5 kg	18.5 kg
Drive	single phase electric motor	battery electric motor	4-stroke HONDA petrol motor

Hydraulic Punchers



PRO-60 HP

PRO-110 HP

max.
thicknessmax. throat
depth

max. hole

max.
oblong
holepunching
timepunching
powerdouble
action
hydraulic
movement

PRO-60 HP	13 mm	60 mm	27 mm	25 x 18 mm	5 sec	35 ton	YES
PRO-110 HP	16 mm	110 mm	27 mm	25 x 18 mm	8 sec	47 ton	YES

Hydraulic Pack
with hoist



PRO-36 | COMPACT DRILLING MACHINE

The most compact machine designed by Promotech, and one of the smallest units in the world. PRO-36 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 workpiece.

Features and benefits:

- ultra light weight
- gear box and slide system made of one piece
- purpose designed motor with heavy duty gear box
- maintenance friendly design
- maintenance free rail guide system

Standard shipping set:

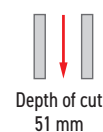
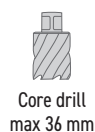
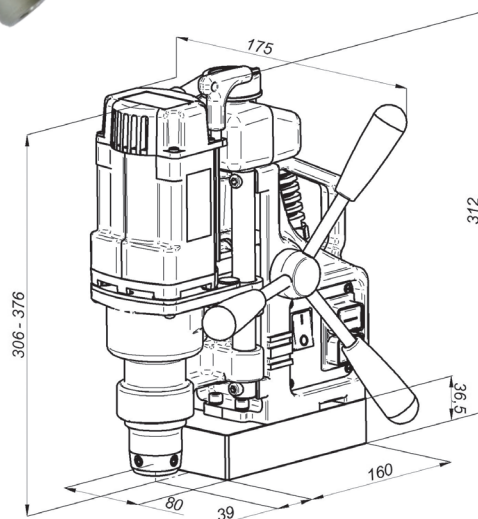
- Magnetic Base Drilling Machine
- Metal Box
- Swarf Shield/Cutter Guard
- Coolant Bottle Assembly
- Safety Chain with Snap Hook
- Allen wrench hex s=4
- Operator's Manual (English)
- Standard shipping weight - 16,7 kg (36 lbs)

Selected additional accessories:

- PDS-0110-10-00-01-0 DMP0250 pipe attachment for pipes with diameters of 80-250 mm (3-10")
- UKL-0440-16-00-00-0 Coolant System 2l
- PDS-0587-00-00-00-0 Vacuum pad
- ZSP-0587-11-00-00-0 Compressed air ejector



PRO-36 TECHNICAL SPECIFICATION	
Motor Speed (under load)	350 rpm
Power	1020 W
Weight	10 kg
Max milling capacity	36 mm (1 7/16")
Max drilling capacity	12 mm (1/2")
Max countersinking	40 mm (1 9/16")
Stroke	70 mm (2 3/4")
Max depth of cut	51 mm (2")
Voltage	1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz
MPAC (Magnetic Power Adhesion Control)	yes
MFSC (Magnetic Field Shape Control)	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	917 kgf (9000 N)
Magnet Base Dimensions	80 x 161 x 36,5 [mm] 3-1/8 x 6-5/16 x 1-7/16 ["]
Min. Workpiece Thickness	6 mm (1/4")
Tool holder	19 mm (3/4") Weldon
Product Code 230V/50Hz	WRT-0440-10-20-00-4
Product Code 115V/60Hz	WRT-0440-10-10-00-4



PRO-36 BATTERY | CORDLESS DRILLING MACHINE



The PRO-36 Battery is a drilling machine designed to drill holes of diameters up to 36 mm (1.18") by using annular cutters. The machine can also drill holes of diameters up to 12 mm (0.47") by using twist drill bits. Cordless drill is equipped with LED monitoring system that generates signals in green and red colours to indicate current condition of the drill and give safety information. Control panel is equipped with so called „vandal resistant“ illuminated start/stop switches (green/red)

Features and benefits:

- LED Monitoring System indicates current condition of the drill and gives safety information
- LED interface flashes green when inadequate adhesion is detected due to e.g. gap or thin work piece
- dual bars guide system ensures extraordinary stiffness and adjustment free operation
- overload protection
- Tilt sensor stops the motor if machine breaks away
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Energy Saving Base(ESB) uses only 50% of its power when motor is not running
- innovative smart magnet with reduced weight

LED Monitoring System

LED interface generates signals in green and red colors to indicate current condition of the drill and give safety information. It provides quick exchange of information between the drill and the operator in the event of an emergency.

CONDITION OF THE DRILL		Strong surface. Ready to Operate. <i>Solid Green</i>
		Emergency stop (overload, clamping loss). <i>Red Flashes between Green</i>
		Motor doesn't turn on. Replace discharged battery. <i>Solid Red</i>
SAFETY INFORMATION		Inadequate Adhesion. <i>Flashing Green</i>

Selected additional accessories:

- AKM-0738-10-00-01-0 Battery 4.0 Ah
- AKM-0738-10-00-02-0 Battery 10 Ah
- AKM-0738-10-00-03-0 Battery 5.5 Ah
- LDW-0738-10-00-30-0 Battery charger ASC 145 (EU)
- LDW-0738-04-00-30-0 Battery charger ASC 145 (UK)
- LDW-0738-06-00-30-0 Battery charger ASC 145 (AUS/NZ)
- 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")
- UKL-0440-16-00-00-0 Pressure cooling system
- PDS-0587-10-00-00-0 Vacuum pad
- AGR-0541-10-20-00-0 Vacuum pump (230 V CEE)
- AGR-0541-10-10-00-0 Vacuum pump (115 V UK)
- ZSP-0587-11-00-00-0 Compressed air ejector



Battery 4.0 Ah

Battery 5.5 Ah

Battery 10.0 Ah

Battery charger

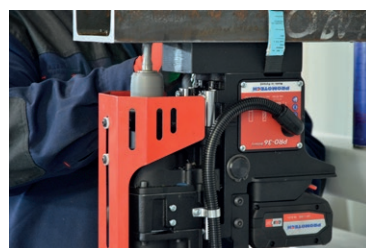
Charging time
~ 30 min (4.0 Ah)
~ 41 min (5.5 Ah)
~ 74 min (10.0 Ah)



Milling capacity up to 36 mm (1 7/16")
• Max depth up to 50 mm (1.97")



Ergonomic handle for easy transportation



Working in out of positions



PRO-36 Battery fits in narrows spaces

Standard shipping set:

- Cordless drilling machine
- Plastic box
- Battery 4.0 Ah
- Handle (3 pcs)
- Safety strap
- Cooling system
- 4 mm hex wrench with a handle
- Operator's Manual



Core drill max 36 mm



Twist drill: max 12 mm (1/2") with Weldon Shank 19mm (3/4")



Depth of cut 50 mm



Stroke 70 mm



Speed 260 rpm



Power 450 W



Weight 11,5 kg (with 4.0 Ah Battery)



Overload protection



Magnet detachment safeguard

PRO-36 BATTERY TECHNICAL SPECIFICATION	
Motor Speed (under load)	260 rpm
Power	450 W
Weight with 4.0 Ah battery	11.5 kg (25.35 lbs)
Max milling capacity	36 mm (1 7/16")
Max drilling capacity	12 mm (0.47")
Stroke	70 mm (2.76")
Max depth of cut	50 mm (1.97")
Voltage	18 V DC
MFSC (Magnetic Field Shape Control)	yes
ESB (Energy Saving Base)	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	765 kgf (7 500 N)
Magnet Base Dimensions	80 mm × 160 mm × 38 mm (3.15" × 6.3" × 1.5")
Min. Workpiece Thickness	6 mm (0.24")
Spindle/ Tool holder	19 mm (3/4") Weldon
Product Code	WRT-0688-10-00-00-0



PRO-36 AD

ULTRA LOW PROFILE MAG DRILL

The PRO-36 AD is an ultra-low profile mag drill, that fits in the tightest of spots. Perfect solution for any applications in confined spaces, where typical mag drills are too large. A powerful motor and strong electromagnetic base enable drilling of holes up to 36 mm diameter to a depth of up to 30 mm (1-3/16"). PRO-36 AD accepts both TCT and HSS cutters as well as twist drill drills with 19,05 mm (3/4") Weldon shank.

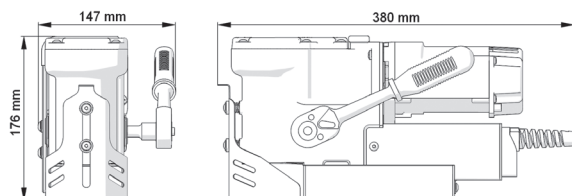


Features and benefits:

- Ultra-low profile mag drill of 176 mm height only
- Extremely low weight of just 9 kg (19.8 lbs)
- Milling capacity up to 36 mm (1-7/16")
- Accepts also twist drills with 19,05 mm (3/4") Weldon shank
- Stroke - 39 mm
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Integrated swarf guard
- Detachable feed lever (feat. ratchet) can be fixed from either side
- Lifting handle for easy transportation
- Cooling with a bottle

Standard shipping set:

- Drilling machine
- Plastic case
- Handle
- Handle adapter
- Pilot pin
- Safety strap
- 4 mm hex wrench
- Operator's Manual



PRO-36 AD fits in the tightest spots



Handy plastic case



Compact design for height restricted areas. Detachable feed lever (feat. ratchet) can be fixed from either side.



Max milling capacity up to 36 mm (1-7/16").



Working in out of positions.



Lifting handle for easy transportation.

Optional accessories:



- ZSP-0521-04-00-00-0
Long quill assembly



- PJM-000003
Coolant bottle with nozzle

Hole making with various tools:



• standard quill

• optional long quill

Core drill max 36 mm (1-7/16")	Twist drill max 12 mm (1/2") with Weldon Shank 19 mm (3/4")	Depth of cut up to 30 mm (1-3/16")	Stroke 39 mm (1-1/2")	Speed 370 rpm	Power 1020 W	Weight 9 kg (19.8 lbs)

* Up to 25 mm (1") when used with an optional long quill assembly
(ZSP-0521-04-00-00-0)

PRO-40 AD | LOW PROFILE MAG DRILL



PRO-40 AD is a low profile mag drill, that fits in the tightest of spots. Perfect solution for any applications in confined spaces, where typical mag drills are too large. Its powerful motor enables drilling of holes up to 40 mm (1-9/16") in diameter and up to 40 mm (1-9/16") deep. An innovative ultra-strong magnetic base with high performance on air gaps makes it possible to work even on painted, rusted or thin surfaces.

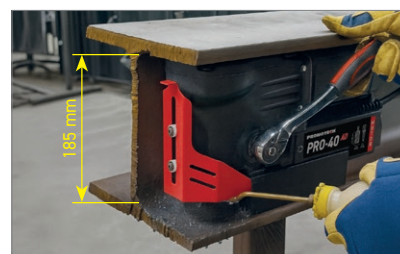
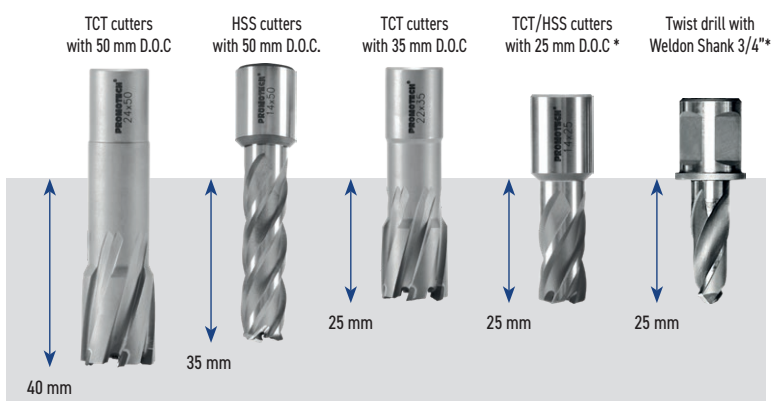
Magnetic Power Adhesion Control (MPAC) protects both the drill and the operator from working on too thin or inadequate surfaces, preventing the motor from engaging if the adhesive force is dangerously low.

PRO-40 AD accepts both TCT and HSS cutters as well as twist drill drills with 19,05 mm (3/4") Weldon shank.

Features and benefits:

- Low profile mag drill of 185 mm height only
- Ultra-strong magnetic base with 1009 kgf (9900 N) holding force
- Compact and lightweight design of just 10 kg
- Milling capacity up to 40 mm with annular cutters
- Accepts also twist drills with 19,05 mm (3/4") Weldon shank
- Extended stroke of 45 mm allows up to 40mm depth of cut
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Integrated swarf guard
- Detachable feed lever (feat. ratchet) can be fixed from either side
- Lifting handle for easy transportation
- Cooling with a bottle

Maximum depth of cut with different tools:



PRO-40 AD fits into tight spaces



Lifting handle for easy transportation.

PRO-40 AD TECHNICAL SPECIFICATION

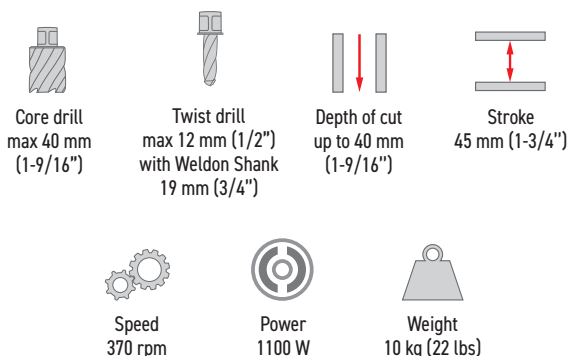
Motor speed (under load)	370 rpm
Power	1100 W
Weight	10 kg (22 lbs)
Max milling capacity TCT/HSS	40 mm / 36 mm (1-9/16" / 1-7/16")
Max drilling capacity	12 mm (1/2")
Max countersinking	40 mm (1-9/16")
Stroke	45 mm (1-3/4")
Max depth of cut * with optional cutter extension	40 mm using TCT cutters with 50 mm D.O.C. 35 mm using HSS cutters with 50 mm D.O.C. 25 mm using TCT cutters with 35 mm D.O.C. 25 mm using TCT/HSS cutters with 25 mm D.O.C. * 25 mm using twist drills with Weldon shank *
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
MFSC	Yes
MPAC	Yes
Magnetic base holding force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1009 kgf (9900 N)
Magnetic base dimensions	168 x 84 x 48.5 mm 6-5/8" x 3-5/16" x 1-15/16"
Minimum workpiece thickness	6 mm (1/4")
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0836-10-20-01-0
Product Code 110-120 V, 50-60 Hz	WRT-0836-10-10-01-0

Standard shipping set:

- Drilling machine
- Plastic box
- Handle
- Pilot pin 6.34 x 102 mm for HSS cutters
- Pilot pin 7.98 x 103 mm for TCT cutters
- Safety strap
- Hex wrench 4 mm
- Operator's Manual

Accessories:

- PRD-000007 Cutter extension
- PJM-000003 Coolant bottle with nozzle 250 ml (8 oz)





PRO-36R, PRO-36RH, PRO-36R Battery

RAIL DRILLS

With range of most common and custom-made positioners and templates our rail drills are able to suit any required rail standards worldwide.

Customers can choose from three supply options. Namely electric motor, petrol motor or battery drive.

All models enable drilling of holes up to 36 mm in diameter, whereas their compact and lightweight design make them ideal solution for site work.

Fast positioning, quick clamping and instant unlocking mechanisms make them easy to use and safe devices.

Pressure Coolant system including 5l bottle enables forced feeding of cooling medium in any drilling positions. It is ideal solution when gravitational feeding fails.

PRO-36R is equipped with an electric motor, PRO-36RH is fitted with a petrol Honda 4-stroke motor and the latest model PRO-36R Battery is a cordless rail drilling machine.

Our diesel and battery powered rail drills are the perfect solution for working outdoors in remote areas where there is no access to mains electricity.



PRO-36R



PRO-36 RH



PRO-36R Battery

PRO-36R Battery is equipped with LED monitoring system that generates signals in green and red colors to indicate current condition of the drill. Control panel is equipped with so called „vandal resistant“ illuminated start/stop motor buttons.



CONDITION OF THE DRILL



Ready to Operate.
Solid Green



Emergency stop (overload, clamping loss).
Red Flashes



Motor doesn't turn on. Replace discharged battery.
Solid Red



TECH. SPECIFICATION	PRO-36R	PRO-36RH	PRO-36R Battery
Tool Holder	Arbor 19 mm; 3/4" Weldon	Arbor 19 mm; 3/4" Weldon	Arbor 19 mm; 3/4" Weldon
Max milling capacity	36 mm (1-7/16")	36 mm (1-7/16")	36 mm (1-7/16")
Max drilling capacity	Ø 16 mm (5/8")	Ø 16 mm (5/8")	Ø 16 mm (5/8")
Stroke	40 mm (1-9/16")	39 mm (1-9/16")	40 mm (1-9/16")
Max depth of cut	30 mm (1-3/16")	30 mm (1-3/16")	30 mm (1-3/16")
Motor type	Electric 1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz	4-stroke petrol engine	Battery 18 V DC
Power	1020 W	1500 W	450 W
Speed (under load)	350 rpm	225 rpm	260 rpm
Weight	14,5 kg (32 lbs)	18,5 kg (40,8 lbs)	14,5 kg (32 lbs)
Product Code	WRT-0676-10-20-00-0 WRT-0676-10-10-00-0	WRT-0565-10-00-00-0	WRT-0766-10-00-00-0

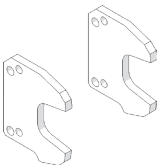
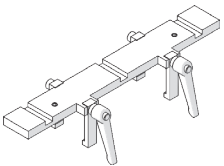
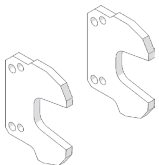
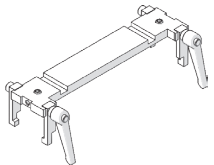
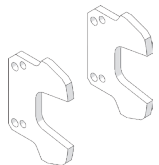
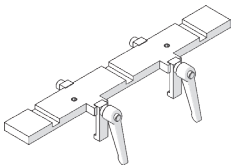
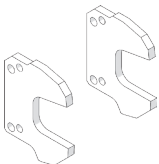
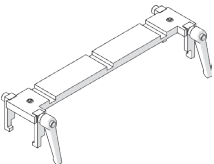
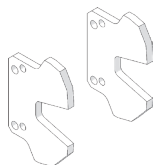
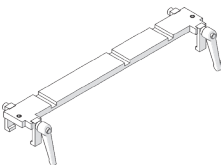
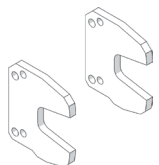
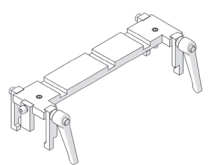
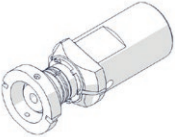


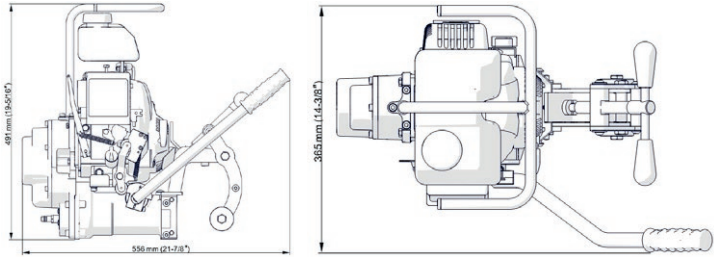
Max
Ø 36 mm
(1-7/16")



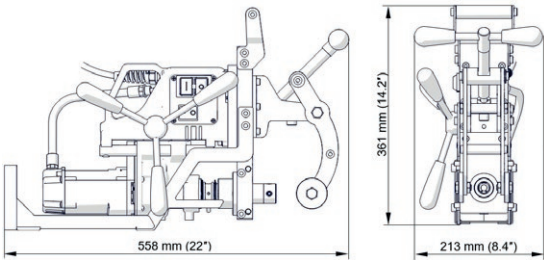
Max
Ø 16 mm
(5/8")

Rail profile templates and hole centre positioners are to be ordered, separately.
 Customised templates and positioners to suit any required rail standard are available on request.

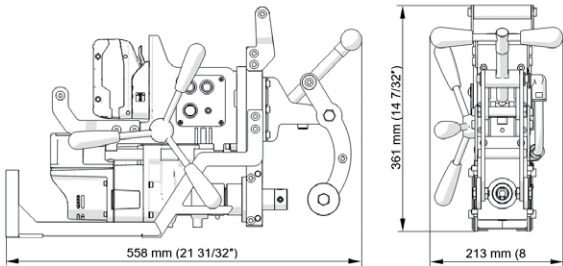
S49	Rail Profile Template UST-0275-00-01-00-0		Hole Centre Positioner WZR-0275-99-00-00-0	
UIC54	Rail Profile Template UST-0275-00-07-00-0		Hole Centre Positioner WZR-0275-24-00-00-1	
UIC60	Rail Profile Template UST-0275-00-02-00-0		Hole Centre Positioner WZR-0275-14-00-00-0	
P50	Rail Profile Template UST-0275-00-03-00-0		Hole Centre Positioner WZR-0275-15-00-00-0	
P65	Rail Profile Template UST-0275-00-04-00-0		Hole Centre Positioner WZR-0275-16-00-00-0	
NP46	Rail Profile Template UST-0275-00-06-00-0		Hole Centre Positioner WZR-0275-23-00-00-0	
Double-sided counter-sinking tool Ø 36mm (1 7/16") ZSP-0275-38-00-00-0				



PRO-36 RH



PRO-36R



PRO-36R Battery



DRILLS FOR SPECIAL APPLICATIONS



PRO-36 PM Battery

This special design battery-operated machine equipped with permanent magnetic base is dedicated to operate in remote areas, where no power supply is available. New permanent magnetic base was designed by Promotech R&D using computer-aided magnetic field analysis together with precise estimation of the magnetic holding force.

The base does not require any electricity to operate. The drill can be used with convex (min diameter – 80 mm) and concave (min diameter 1000 mm) materials.

PRO-36 PM Battery is equipped with LED monitoring system that generates signals in green and red colors to indicate current condition of the drill and give safety information.

LED Monitoring System

PRO-36PM Battery is equipped with LED monitoring system that generates signals in green and red colors to indicate current condition of the drill and give safety information. Please pay particular attention that the permanent magnetic base must first be activated. Otherwise it will not be possible to switch on the motor.

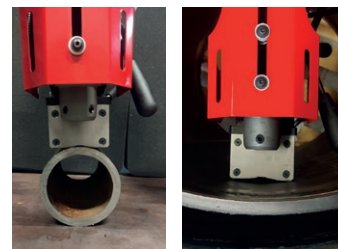
CONDITION OF THE DRILL		Strong surface. Ready to Operate. <i>Solid Green</i>
		Emergency stop (overload, clamping loss). <i>Red Flashes</i>
		Motor doesn't turn on. Replace discharged battery. <i>Solid Red</i>
SAFETY INFORMATION		Motor doesn't turn on. Switch on the base first. <i>Flashing Green</i>



PRO-36 PM

The machine with magnetic base is dedicated to operate with the risk of power loss applications (e.g. drilling in the wall). The magnetic base is equipped with very strong neodymium magnets and does not require electricity to operate. The drill can be used with convex (min diameter – 80 mm) and concave (min diameter 1000 mm) materials.

Switchable holding force feature enables easy and precise positioning of the drill, while magnetic base is partially engaged.

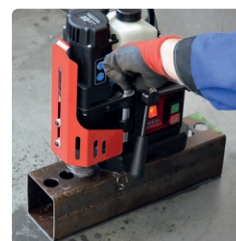


PRO-36 T3

The machine with electromagnetic base is dedicated to operate with steel profiles. Minimum thickness of the wall can be as thin as 3 mm. Unique design allows optimal magnetic field distribution so the holding force is comparable to the regular base placed on material which is twice as thick.

It makes it suitable to work on really thin materials.

TECHNICAL SPECIFICATIONS	PRO-36 PM Battery	PRO-36 PM	PRO-36 T3
Motor speed (under load)	260 rpm	350 rpm	350 rpm
Power	400 W	1020 W	1020 W
Weight	14.5 kg (with 4.0 Ah battery)	13.2 kg (24 lbs)	11 kg (24 lbs)
Max milling capacity	36 mm (1.42") with TCT cutters 30 mm (1.18") with HSS cutters	36 mm (1.42")	36 mm (1.42")
Max drilling capacity	12 mm (0.47")	12 mm (0.47")	12 mm (0.47")
Stroke	70 mm (2.76")	70 mm (2.76")	70 mm (2.76")
Max depth of cut	50 mm (1.97")	50 mm (2")	51 mm (2")
Voltage	18 V DC	1~ 110–120 V, 50–60 Hz 1~ 220–240 V, 50–60 Hz	1~ 110–120 V, 50–60 Hz 1~ 220–240 V, 50–60 Hz
Magnetic base holding force	714 kgf (7 000 N)	714 kgf (7 000 N)	918 kgf (9 000 N)
Magnetic base dimensions	75 mm × 188 mm × 53 mm	75 mm × 188 mm × 53 mm	100 mm × 200 mm × 38 mm
Minimum workpiece thickness	6 mm (0.24")	6 mm (0.24")	3 mm (0.12")
Tool holder	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon
Product Code 18 V	WRT-0765-10-00-00-0	-	-
Product Code 220–240 V, 50–60 Hz	-	WRT-0764-10-20-00-0	WRT-0440-10-20-04-4
Product Code 110–120 V, 50–60 Hz	-	WRT-0764-10-10-00-0	WRT-0440-10-10-04-4



PRO-36 AUTO

AUTO FEED MAG DRILL WITH LED MONITORING SYSTEM



New PRO-36 AUTO is equipped with unique LED monitoring system that indicates current condition of the drill and gives additional safety and diagnostic information.

Auto Feed Smart Drive System optimizes parameters for each cutting/milling operation, when drill works in automatic mode.

The drill controller keeps choosing the most effective working conditions based on the correlation of motor load, feed speed and the range of allowable cutting parameters for a given tool type and hole diameter.

It results in extending tool life of both HSS and TCT cutters and enhanced machine performance.

Countersinking and working on thin workpieces, when the LED shows that the clamping force is low (flashing green) are possible in manual mode only.

A safety strap protects the machine from falling in case of a clamping loss.

Features and benefits:

- LED Monitoring System indicates current condition of the drill and gives safety and diagnostic information
- LED Monitoring System flashes green when inadequate adhesion is detected due to e.g. gap or thin workpiece
- Auto Feed Smart Drive optimizes the milling parameters for each tool individually depending on its type (HSS or TCT) and hole diameter from 12 mm up to 36 mm, that significantly extends tool life
- tilt sensor stops the motor in machine breaks away
- dual bars guide system ensures extraordinary stiffness and adjustment free operation
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Auto-feed control stops the machine when cutter goes through
- protection against auto restart after power cut off
- compact, rigid design with ultra-light weight of 13.5 kg



Standard shipping set:

- Drilling machine
- Metal box
- Safety strap
- Cooling system bottle
- Chip guard
- 4 mm hex wrench
- Operator's Manual

LED Monitoring System:

This unique LED interface generates signals in green and red colors to indicate current condition of the drill and give safety and diagnostic information. It provides quick exchange of information between the drill and the operator in the event of an emergency.

CONDITION OF THE DRILL		Strong surface. Ready to Operate. (Solid Green)
		Emergency stop. The base is not in contact with surface. (3 Red Flashes between Green)
		Emergency stop. Machine tilt or vibrations. (4 Red Flashes between Green)
		Emergency stop. Spindle motor overload. (5 Red Flashes between Green)
		Emergency stop. Feed motor overload. (6 Red Flashes between Green)
SAFETY INFORMATION		Weak surface. Low clamping force. (Flashing Green)
DIAGNOSTIC INFORMATION		Defective control system. (7 Red Flashes between Green)

PRO-36 AUTO TECHNICAL SPECIFICATION	
Motor Speeds	350 rpm (under load) 580 rpm (idle run)
Power	1020 W
Weight	13.5 kg (30 lbs)
Max milling capacity	36 mm (1-7/16")
Max countersinking	40 mm (1-9/16")
Stroke	70 mm (2-3/4")
Max depth of cut	51 mm (2")
Voltage	1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	917 kgf (9 000 N)
Magnet Base Dimensions	80 mm × 160 mm × 38 mm 3-1/8" × 6-5/16" × 1-1/2"
Min. Workpiece Thickness	6 mm (1/4")
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0672-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0672-10-10-00-0



Core drill
max 36 mm
(1-7/16")



Depth of cut
51 mm
(2")



Stroke
70 mm
(2-3/4")



Speed
350 rpm



Power
1020 W



Weight
13.5 kg
(30 lbs)



Overload
protection



Magnet
detachment
safeguard



PRO-40

UNIVERSAL DRILLING MACHINE

PRO-40 featuring purpose designed motor and 1-speed gear box 440 rpm is optimized to provide appropriate speed for work with HSS cutters up to Φ 40 mm and cylindrical twist drills up to Φ 16 mm. Rigid construction optimized by means of FEA (finite element analysis) software extends tool life.

Compact design along with innovative smart magnet with reduced weight make it a lightweight machine. PRO-40 provides maximum holding power on thin materials thanks to Magnetic Field Shape Control (MFSC).

The drill and the operator are protected from work on too thin work piece by means of Magnetic Power Adhesion Control (MPAC). PRO-40 is also equipped with Energy Saving Base (ESB) that uses only 50% of its power when motor is not running.

Features and benefits:

- Compact design with excellent ratio weight/power
- Purpose designed motor
- Motor Speed 440 rpm (under load)
- Spindle equipped with Weldon $\frac{3}{4}$ "
- Innovative smart magnet with reduced weight
- Rigid design to extend tool life
- Large stroke enables the use of long tools
- Motor cable with additional protective cover
- 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 work piece
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running

Standard shipping set:

- Drilling machine
- Plastic box
- Handle (3pcs)
- Safety strap
- Cooling system
- 2.5 mm hex wrench
- 5 mm hex wrench
- 5 mm hex wrench with a handle
- 8 mm combination wrench
- Operator's manual

Selected additional accessories:

- PDS-0110-03-00-01-0
- PDS-0111-03-00-01-0
- TRZ-000027
- UCW-000059
- UCW-000061
- UKL-0440-16-00-00-0
- PDS-0587-10-00-00-0
- AGR-0541-10-20-00-0 (230 V CEE)
- AGR-0541-10-10-00-0 (115 V UK)
- ZSP-0587-11-00-00-0
- Pipe attachment DMP 251 for pipes with diameters of 80-250 mm (3-10")
- Pipe attachment DMP 501 for pipes with diameters of 150-500 mm (6-20")
- Adapter Weldon $\frac{3}{4}$ " x $\frac{1}{2}$ " 20 UNF
- Drilling chuck $\frac{1}{2}$ " 20 UNF x 1.5-13 mm
- Drilling chuck $\frac{1}{2}$ " 20 UNF x 3-16 mm
- Pressure cooling system
- Vacuum pad
- Vacuum pump
- Vacuum pump
- Compressed air ejector

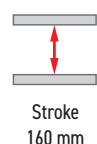
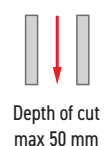
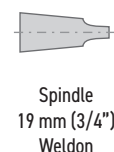


Drilling capacity up to 16 mm (0.63")



Milling capacity up to 40 mm (1.57")
Depth of cut up to 50 mm (2")

PRO-40 TECHNICAL SPECIFICATION	
Motor Speeds (under load)	440 rpm
Power	1100 W
Weight	13 kg (28.7 lbs)
Max milling capacity TCT/HSS	40/40 mm (1.57"/1.57")
Max drilling capacity	16 mm (0.63")
Stroke	160 mm (6.3")
Max depth of cut	50 mm (2")
Voltage	1~220-240 V, 50-60 Hz 1~110-120 V, 50-60 Hz
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)	1009 kgf (9900 N)
Magnet base dimensions	84 × 168 × 41.5 (mm) 3.3 × 6.6 × 1.6 (")
Min. work piece thickness	6 mm (1/4")
Spindle	19 mm (3/4") Weldon
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0723-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0723-10-10-00-0



PRO-50 | 2-SPEED DRILLING MACHINE



PRO-50 featuring purpose designed motor and 2-speed gear box 240/480 rpm is optimized to provide appropriate speed for work with HSS cutters up to Φ 45 mm and twist drills up to Φ 23 mm. Rigid construction, optimized by means of FEA (finite element analysis) software extends tool life and enables depth of cut up to 75 mm. Compact design along with innovative smart magnet with reduced weight make it a lightweight machine. PRO-50 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 work piece by means of Magnetic Power Adhesion Control (MPAC). PRO-50 is also equipped with Energy Saving Base (ESB) that uses only 50% of its power when motor is not running.

Features and benefits:

- Compact design with excellent ratio weight/power
- Purpose designed motor
- Motor Speeds 240/480 rpm (under load)
- Spindle equipped with MT2
- Innovative smart magnet with reduced weight
- Rigid design to extend tool life
- Large stroke enables the use of long tools
- Motor cable with additional protective cover
- 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 work piece
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running

Standard shipping set:

- Drilling machine
- Plastic box
- Handle (3pcs)
- MT2 arbor with 19 mm (3/4") Weldon tool holder
- Safety strap
- Cooling system
- Protective spring for cooling system hose
- MT2 drift
- 2.5 mm hex wrench
- 5 mm hex wrench
- 5 mm hex wrench with a handle
- 8 mm combination wrench
- Operator's manual

Selected additional accessories:

- 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")
- TRZ-000008 Adapter MT2 x 1/2" 20 UNF
- UCW-000059 Drilling chuck 1/2" 20 UNF x 1.5-13 mm
- UCW-000061 Drilling chuck 1/2" 20 UNF x 3-16 mm
- UCW-0220-00-00-00-4 Arbor AMT2-C19/2-3 for 75 mm (3") depth cutting
- UKL-0440-16-00-00-0 Pressure cooling system
- PDS-0587-10-00-00-0 Vacuum pad
- AGR-0541-10-20-00-0 (230 V CEE) Vacuum pump
- AGR-0541-10-10-00-0 (115 V UK) Vacuum pump
- ZSP-0587-11-00-00-0 Compressed air ejector



Drilling capacity up to 23 mm (0.91")



Milling capacity up to 50 mm (2")
Depth of cut up to 75 mm (3") - option

PRO-50 TECHNICAL SPECIFICATION

Motor Speeds (under load)	240/480 rpm
Power	1150 W
Weight	15,5 kg (34.17 lbs)
Max milling capacity TCT/HSS	50/45 mm (1.97"/1.77")
Max drilling capacity	23 mm (0.91")
Stroke	160 mm (6.3")
Max depth of cut	50 mm (2") 75 mm (2.95") option
Voltage	1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz
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)	1009 kgf (9900 N)
Magnet base dimensions	84 mm x 168 mm x 48 mm (3.3" x 6.6" x 1.9")
Min. work piece thickness	6 mm (1/4")
Spindle	MT2
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0684-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0684-10-10-00-0



Core drill
max 50 mm



Twist drill
max 23 mm



Spindle
MT2



Depth of cut
max 75 mm



Stroke
160 mm



Speed
240, 480 rpm



Power
1150 W



Weight
15,5 kg



PRO-50 TCT | 2-SPEED DRILLING MACHINE

PRO-50 TCT featuring purpose designed motor and 2-speed gear box 320/640 rpm is optimized to provide appropriate speed for work with TCT cutters up to Φ 45 mm and twist drills up to Φ 18 mm. Rigid construction, optimized by means of FEA (finite element analysis) software extends tool life and enables depth of cut up to 75 mm. Compact design along with innovative smart magnet with reduced weight make it a lightweight machine. PRO-50 TCT 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-50 TCT is also equipped with Energy Saving Base (ESB) that uses only 50% of its power when motor is not running.

Features and benefits:

- Compact design with excellent ratio weight/power
- Purpose designed motor
- Motor Speeds 320/640 rpm (under load)
- Spindle equipped with MT2
- Innovative smart magnet with reduced weight
- Rigid design to extend tool life
- Large stroke enables the use of long tools
- Motor cable with additional protective cover
- 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

Standard shipping set:

- Drilling machine
- Plastic box
- Handle (3pcs)
- MT2 arbor with 19 mm (3/4") Weldon tool holder
- Safety strap
- Cooling system
- Protective spring for cooling system hose
- MT2 drift
- 2.5 mm hex wrench
- 5 mm hex wrench
- 5 mm hex wrench with a handle
- 8 mm combination wrench
- Operator's manual

Selected additional accessories:

- 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")
- TRZ-000008 Adapter MT2 x 1/2" 20 UNF
- UCW-000059 Drilling chuck 1/2" 20 UNF x 1.5-13 mm
- UCW-000061 Drilling chuck 1/2" 20 UNF x 3-16 mm
- UCW-0220-00-00-00-4 Arbor AMT2-C19/2-3 for 75 mm (3") depth cutting
- UKL-0440-16-00-00-0 Pressure cooling system
- PDS-0587-10-00-00-0 Vacuum pad
- AGR-0541-10-20-00-0 (230 V CEE) Vacuum pump
- AGR-0541-10-10-00-0 (115 V UK) Vacuum pump
- ZSP-0587-11-00-00-0 Compressed air ejector



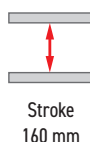
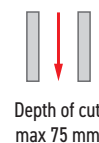
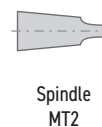
Drilling capacity up to 18 mm (0.71")



Milling capacity up to 45 mm (2")
Depth of cut up to 75 mm (3") - option

PRO-50 TCT TECHNICAL SPECIFICATION

Motor Speeds (under load)	320/640 rpm
Power	1150 W
Weight	15,5 kg (34.17 lbs)
Max milling capacity TCT/HSS	45/40 mm (1.77"/1.57")
Max drilling capacity	18 mm (0.71")
Stroke	160 mm (6.3")
Max depth of cut	50 mm (2") 75 mm (2.95") option
Voltage	1- 220-240 V, 50-60 Hz 1- 110-120 V, 50-60 Hz
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)	1009 kgf (9900 N)
Magnet base dimensions	84 mm x 168 mm x 48 mm (3.3" x 6.6" x 1.9")
Min. work piece thickness	6 mm (1/4")
Spindle	MT2
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0742-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0742-10-10-00-0



PRO-55 | ANNULAR CUTTER DRILLING MACHINE



PRO-55 featuring purpose designed motor and 2-speed gear box 200/400 rpm is optimized to provide appropriate speed for work with HSS cutters up to Φ 50 mm and twist drills up to Φ 16 mm. Rigid construction, optimized by means of FEA (finite element analysis) software extends tool life and enables depth of cut up to 75 mm.

Compact design along with innovative smart magnet with reduced weight make it a lightweight machine. PRO-55 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-55 is also equipped with Energy Saving Base (ESB) that uses only 50% of its power when motor is not running.

Features and benefits:

- Compact design with excellent ratio weight/power
- Purpose designed motor
- Motor Speeds 200/400 rpm (under load)
- Spindle equipped with Weldon $\frac{3}{4}$ "
- Innovative smart magnet with reduced weight
- Rigid design to extend tool life
- Large stroke enables the use of long tools
- Motor cable with additional protective cover
- 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

Standard shipping set:

- Drilling machine
- Plastic box
- Handle (3pcs)
- Safety strap
- Cooling system
- 2.5 mm hex wrench
- 5 mm hex wrench
- 5 mm hex wrench with a handle
- 8 mm combination wrench
- Operator's manual

Selected additional accessories:

- 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")
- TRZ-000027 Adapter Weldon $\frac{3}{4}$ " x $\frac{1}{2}$ " 20 UNF
- UCW-000059 Drilling chuck $\frac{1}{2}$ " 20 UNF x 1.5–13 mm
- UCW-000061 Drilling chuck $\frac{1}{2}$ " 20 UNF x 3–16 mm
- UKL-0440-16-00-00-0 Pressure cooling system
- PDS-0587-10-00-00-0 Vacuum pad
- AGR-0541-10-20-00-0 (230 V CEE) Vacuum pump
- AGR-0541-10-10-00-0 (115 V UK) Vacuum pump
- ZSP-0587-11-00-00-0 Compressed air ejector

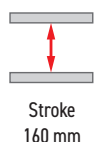
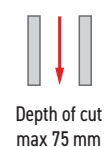
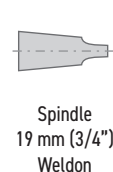


Drilling capacity up to 16 mm (0.63")



Milling capacity up to 55 mm (2.17")
Depth of cut up to 75 mm (3")

PRO-55 TECHNICAL SPECIFICATION	
Motor Speeds (under load)	200/400 rpm
Power	1100 W
Weight	15 kg (33.1 lbs)
Max milling capacity TCT/HSS	55/50 mm (2.17"/1.97")
Max drilling capacity	16 mm (0.63")
Stroke	160 mm (6.3")
Max depth of cut	75 mm (2.95")
Voltage	1~220–240 V, 50–60 Hz 1~110–120 V, 50–60 Hz
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)	1009 kgf (9900 N)
Magnet base dimensions	84 × 168 × 41.5 (mm) 3.3 × 6.6 × 1.6 (")
Min. work piece thickness	6 mm (1/4")
Spindle	19 mm (3/4") Weldon
Tool holder	19 mm (3/4") Weldon
Product Code 220–240 V, 50–60 Hz	WRT-0741-10-20-00-0
Product Code 110–120 V, 50–60 Hz	WRT-0741-10-10-00-0





VACUUM PAD FOR MAG DRILLS

Vacuum pad is a special type of clamping device for compact mag drills. It enables magnetic drilling machines to effectively operate on non-ferrous materials, where it is impossible to fit the magnetic base of a drill directly to the workpiece.

The vacuum pad provides the ability to drill on non-magnetic or thin surfaces and materials with certain surface imperfections. It is intended for use with stainless steel, aluminum and thin carbon steel plates.

Depending on the requirements and operating conditions, the pad can be powered by vacuum supply or compressed air supply.



Features & Benefits:

- enables drilling in flat non-ferrous materials
- for use with Promotech mag drill models: PRO-16, PRO-36, PRO-40, PRO-50, PRO-50TCT, PRO-51, PRO-52T, PRO-55 and PRO-55TCT
- includes 2-meter pump connection hose
- 2 possible configurations:
 - vacuum supply (standard)
 - compressed air supply (optional)

VACUUM SUPPLY (standard configuration)



- Portable vacuum pump with safety reservoir - ideal solution for working together with vacuum pad
 - AGR-0541-10-20-00-0 for 230 V
 - AGR-0541-10-10-00-0 for 115 V with UK plug

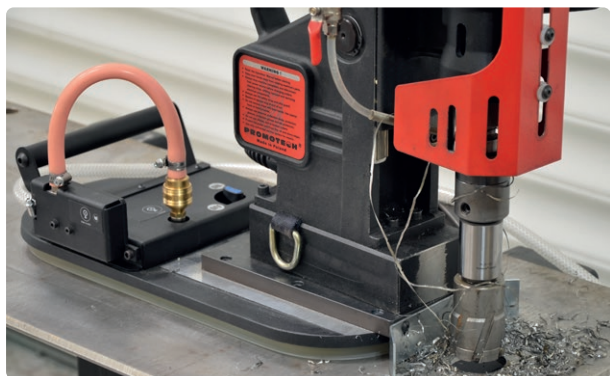
TECHNICAL SPECIFICATION OF VACUUM PAD FOR MAG DRILL - VACUUM SUPPLY

Gauge pressure*	-0.8 bar (-11.5 psig)
Connection	Quick coupling DN 7.2
Capacity	4 m ³ /h (141 ft ³ /h)
Holding force (at gauge pressure of -0.8 bar / -11.5 psig)	0 m above sea level 1500 m above sea level
	4800 N 3800 N
Minimum workpiece thickness	5 mm
Drilling depth decrease	40 mm (1-9/16")
Dimensions	488 mm × 214 mm × 107 mm 19-3/16" × 8-7/16" × 4-3/16"
Supply hose length	2 m (6.5 ft)
Required ambient temperature	1-40 °C (34-104°F)
Weight	7.5 kg (16.5 lbs)
Product code	PDS-0587-10-00-00-0

*where 0 is for atmospheric pressure, and -1 is for perfect vacuum



COMPRESSED AIR SUPPLY (optional configuration)



Vacuum pad equipped
with compressed air ejector



Compressed air ejector
ZSP-0587-11-00-00-0

Optional configuration - compressed air supply

Optional compressed air ejector generates a vacuum thanks to high flow speed of air according to the Bernoulli principle. The vacuum pad equipped with the compressed air ejector can be an effective solution in numerous industrial plants and workshops, where compressed air pipe system is widely utilized.

TECHNICAL SPECIFICATION OF VACUUM PAD FOR MAG DRILL - COMPRESSED AIR SUPPLY

Supply	6 bar (87 psi)	
Connection	Quick-coupling fitting DN 7.2	
Air consumption	4 m ³ /h (141 ft ³ /h)	
Supply hose length	2 m (6.5 ft)	
Holding force (at gauge pressure of -0.8 bar / -11.5 psig)	0 m above sea level	4800 N
	1500 m above sea level	3800 N
Required ambient temperature	1-40 °C (34-104°F)	
Diameter of supply hose extension (if needed)	8 mm	
Maximum total length of supply hose (including supply hose extension)	10 m	



Equipment configurations

Using vacuum pad results in decreasing regular depth of cut by 40 mm.
Maximum depth of cut depends on configuration in use.

MAXIMUM DEPTH OF CUT [mm]	ANNULAR CUTTER		EQUIPMENT IN USE	
	type	length [mm]	Vacuum pad	Annular cutter 50 mm extension + pilot pin
N/A	HSS	25	•	
25	HSS	25	•	•
10	HSS	50	•	
50	HSS	50	•	•
35	HSS	75	•	
50	HSS	100	•	
N/A	TCT	35	•	
35	TCT	35	•	•
10	TCT	50	•	
50	TCT	50	•	•
35	TCT	75	•	
50	TCT	100	•	

Product code	Pilot pin length [mm]	Annular cutter type	Cutter length [mm]	Drilling diameter [mm]
PLT-000020	127	HSS - Ø 6,34 mm pilot pin	25	12-50
PLT-000023	153	HSS - Ø 6,34 mm pilot pin	50	12-50
PLT-000021	140	TCT - Ø 6,34 mm pilot pin	35	12-17
PLT-000022	145	TCT - Ø 7,98 mm pilot pin	35	18-50
PLT-000023	153	TCT - Ø 6,34 mm pilot pin	50	12-17
PLT-000025	160	TCT - Ø 7,98 mm pilot pin	50	18-50



Annular cutter 50 mm extension
Product code: PRD-000004
Requires pilot pin (see table)



Pilot pin



PRO-62 | ANNULAR CUTTER DRILLING MACHINE

The PRO-62 drill equipped with 19 mm (3/4") Weldon tool holder uses TCT and HSS annular cutters that cut only a groove at the periphery of the hole, leaving a solid core or slug at the center.

Strong 1600 W motor enables cutting capacity up to 65 mm (2-9/16") and depth of cut up to 75 mm (3").

Dual guide bars design empowers maintenance free rail guide system.

Features and benefits:

- powerful motor with heavy duty 2-speed gearbox
- maintenance free rail guide system thanks to dual guide bars
- innovative smart magnet with reduced weight
- rigid design extends tool life
- 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)
- milling with TCT or HSS cutters
- drilling with twist drills feat. Weldon shank
- large coolant container

Standard shipping set:

- Drilling machine
- Plastic box
- Cooling system
- Handle (3 pcs)
- Safety strap
- 4 mm hex wrench with a handle
- Operator's Manual



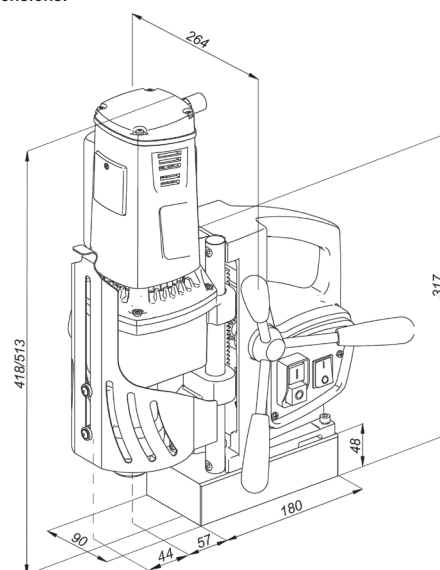
Milling capacity up to 65 mm (2-9/16")



Max depth of cut up to 75 mm (3")



Dimensions:



PRO-62 TECHNICAL SPECIFICATION	
Motor Speeds (under load)	160 rpm (gear I) 390 rpm (gear II)
Power	1600 W
Weight	17 kg (37 lbs)
Max milling capacity	65 mm (2-9/16")
Stroke	95 mm (3-3/4")
Max depth of cut	75 mm (3")
Voltage	1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz
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)	1122 kgf (11 000 N)
Magnet Base Dimensions	90 mm × 180 mm × 48 mm 3-9/16" × 7" × 1-7/8"
Min. Workpiece Thickness	8 mm (5/16")
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0630-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0630-10-10-00-0



Core drill
max 65 mm



Weldon shank
19 mm



Depth of cut
75 mm



Stroke
95 mm



Speed
160 rpm
390 rpm



Power
1600 W



Weight
17 kg



Worn brushes
Auto-Stop

PRO-72 | TWO-SPEED DRILLING MACHINE



PRO-72 is a powerful 2-speed mag drill enabling milling capacity up to 70 mm (2-3/4") and drilling up to 25 mm (1").

Thanks to innovative lightweight smart magnet PRO-72 weighs only 18,0 kg (40 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-72 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-72 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 2-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

Standard shipping set:

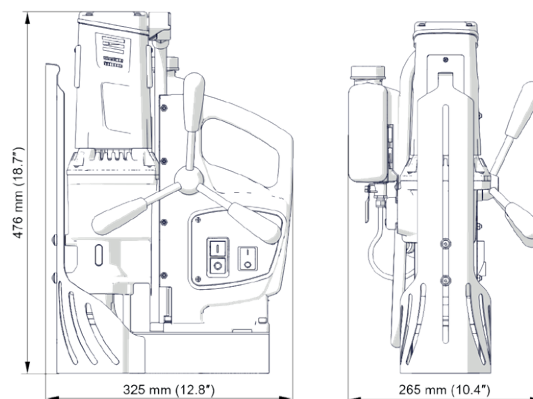
- Drilling machine
- Plastic box
- Handle (3 pcs)
- MT3 arbor with 19 mm (3/4") Weldon tool holder
- Safety strap
- Cooling system
- Protective spring for cooling hose
- MT2 drift
- 5 mm hex wrench with a handle
- 4 mm hex wrench
- 2.5 mm hex wrench
- 8 mm combination wrench
- Operator's Manual



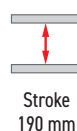
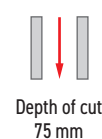
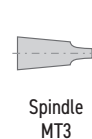
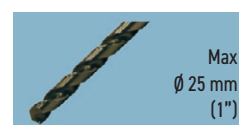
Selected additional accessories:

- UCW-0686-08-00-00 Arbor MT3 x 32 mm Weldon for drilling diameter over 60 mm (2.3") up to 50 mm (2") depth
- DMP0251 Pipe Attachment
- DMP0501 Pipe Attachment
- UKL-0440-16-00-00 Pressure cooling system capacity of 2 liters

Dimensions:



PRO-72 TECHNICAL SPECIFICATION	
Motor Speeds (under load)	160 rpm (gear I) 390 rpm (gear II)
Power	1600 W
Weight	18 kg (40 lbs)
Max milling capacity	70 mm (2-3/4") *
Max drilling capacity	25 mm (1")
Stroke	190 mm (7-1/2")
Max depth of cut	75 mm (3") *
Voltage	1~220-240 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)	1122 kgf (11 000 N)
Magnet Base Dimensions	92 mm x 180 mm x 54 mm 3-5/8" x 7" x 2-1/8"
Min. Workpiece Thickness	8 mm (5/16)
Spindle	MT3
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0687-10-20-00-1
Product Code 110-120 V, 50-60 Hz	WRT-0687-10-10-00-1



* If more than 60 mm (2-3/8"), use an MT3 arbor with 32 mm Weldon tool holder (UCW-0686-08-00-00-0) and max depth of cut is 50 mm (2")



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.

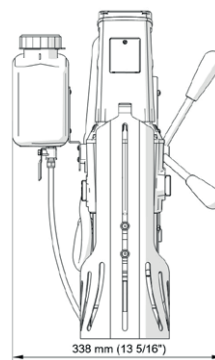
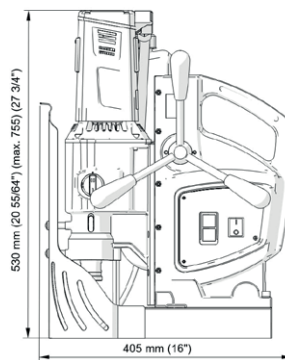
Features and benefits:

- 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

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

Dimensions:



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

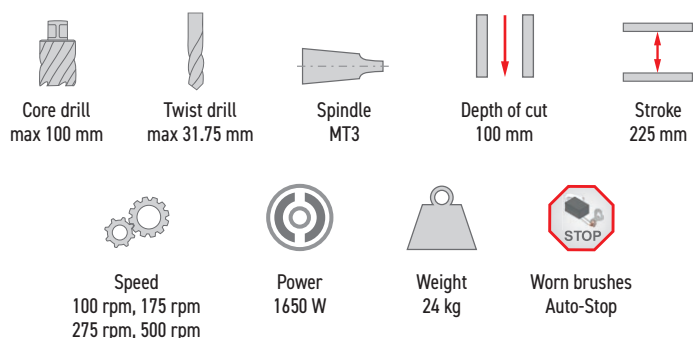


Drilling capacity up to 31.75 mm (1-1/4")
Lightweight design of 24 kg (52.9 lbs) only

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	WRT-0710-10-20-00-0
Product Code 110-120 V, 50-60 Hz	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)



METRIC ANNULAR CUTTERS | HSS & TCT

HSS cutters are made of high speed steel with multi-cut geometry for ply-cutting to gain better removal of chips. TCT cutters incorporate selected special-purpose carbide tips with multi-cut geometry for ply-cutting, lower friction and reduced damage of tips.

Both types of the cutters Weldon shank with more firm clamping for stable cutting and finish of the holes.

Annular cutters advantages over twist drills:

- save time and money by eliminating costly pilot holes and step drilling
- cut material only at the periphery of the hole, whereas twist drills convert entire hole to chips
- drill holes 3 times faster than twist drills
- drill on curved surfaces such as pipe or tubing
- overlap cuts on existing holes
- produce reamed quality burr-free holes
- reduce machine size and power requirements
- resharpenable cutting edges (HSS)

Most important practical guidelines:

- do not use annular cutters without pilot pins and arbors without ejection spring
- it is not safe or productive to use blunt or damaged tools
- mark the center of the hole to be drilled then center pilot pin to locate the hole center
- check if the coolant valve is opened and then depress cutter to show flow of the coolant that increases the cutter life enormously
- maintain a firm and steady feed rate (not too slow) to extend the life of the cutter even more
- pay attention that at the end of the cut the slug will be ejected with force and distance, that may hit someone around
- after drilling the first hole, make sure that the hole diameter conforms to the marking on the annular cutter.
- use recommended work parameters (spindle speed and feed rate) depending on the cutter diameter and workpiece hardness.

Core drills grinding machine SM-101

Annular cutter regrounding machine SM-101 saves time and money in carrying out an effective HSS core drills re-sharpening, particularly if the customer is in urgent need for continued production drilling. Thanks to its solid construction, low power consumption, small dimensions, the machine can be used in any place and needs short time to be installed.

Features and benefits:

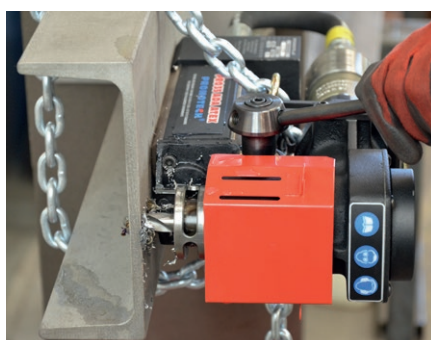
- simple set up operation - easy positioning of cutting tool
- economical - far less expensive than heavier equipment
- lightweight and portable - ideal for site work, or a small workshop
- diamond wheel - creates a sharp, clean new cutting edge
- easy angle adjustment - simple alignment to original angle geometry
- laser guided cutter alignment - ensure correct positioning of cutting edge to the wheel
- will re-sharpen cutters from 12 mm to 50 mm diameter in cutting depths of 25 mm and 50 mm



SM-101 TECHNICAL SPECIFICATION

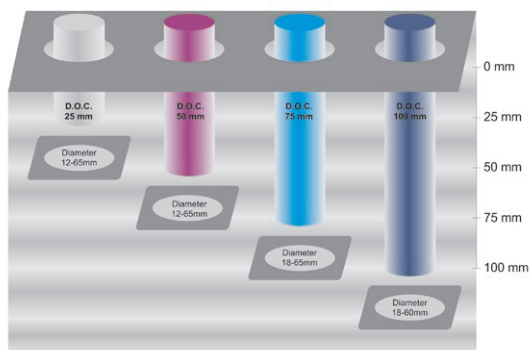
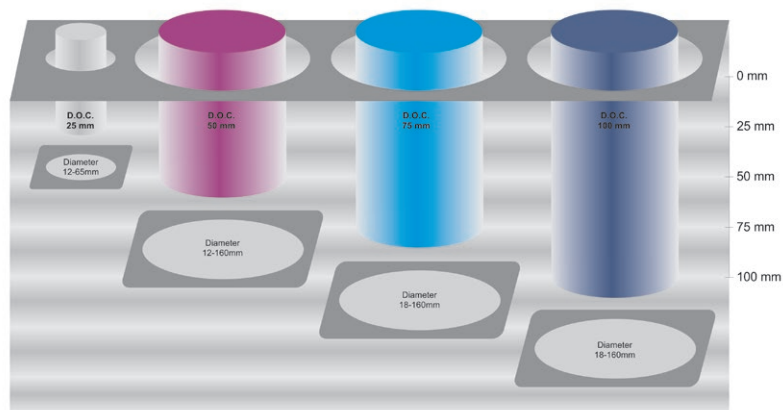
Dimensions L x W x H		465 x 399 x 355 mm
Net weight		15.5 kg
Supply [V]		1~230 V, 50-60 Hz
Motor power / speed		0.18 kW / 2820 rpm
Movement length	Motor guide	70 mm
	Guiding slide	162 mm
Noise level		<70 dB(A)
Grinding disc		Electroplated, diamond grinding disc Ø 125 mm
Cutter's clamping		19.05 mm (Weldon shank)
Max cutter's length		50 mm
Scope of the cutter's diameter		Ø 12 mm - Ø 50 mm

Twist drills with 19.05 mm (3/4") Weldon shank



A range of twist drills with 19.05 mm (3/4") Weldon shank extend the scope of possible drilling applications

Product Code	Description
WRL-000011	Twist drill Ø 6 mm (Weldon Shank 19.05 mm)
WRL-000012	Twist drill Ø 8 mm (Weldon Shank 19.05 mm)
WRL-000013	Twist drill Ø 9.8 mm (Weldon Shank 19.05 mm)
WRL-000009	Twist drill Ø 10 mm (Weldon Shank 19.05 mm)
WRL-000014	Twist drill Ø 11 mm (Weldon Shank 19.05 mm)
WRL-000010	Twist drill Ø 12 mm (Weldon Shank 19.05 mm)
WRL-000015	Twist drill Ø 13 mm (Weldon Shank 19.05 mm)
WRL-000016	Twist drill Ø 13.5 mm (Weldon Shank 19.05 mm)
WRL-000017	Twist drill Ø 14 mm (Weldon Shank 19.05 mm)
WRL-000018	Twist drill Ø 16 mm (Weldon Shank 19.05 mm)

HSS cutters

TCT cutters

RECOMMENDED SPINDLE SPEED FOR HSS ANNULAR CUTTERS

Material	Steel ≤ 500 N/mm ²	Steel ≤ 750 N/mm ²	Steel ≤ 900 N/mm ²	Steel ≤ 1200 N/mm ²	Steel ≤ 1400 N/mm ²	Stainless steel	Aluminium	Cast iron	Cast copper
Feed [mm/rev]	0,08-0,13	0,08-0,13	0,05-0,1	0,05-0,1	0,05-0,1	0,05-0,1	0,1-0,15	0,07-0,12	0,08-0,13
Milling speed [m/min]	25	20	13	10	7	12	50	18	40
Cooling	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	Compressed air	5% cooling emulsion
Diameter Ø mm	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm
12	663	530	344	265	185	318	1327	477	1061
14	568	454	295	227	159	272	1137	409	909
16	497	397	258	198	139	238	995	358	795
18	442	353	229	176	123	212	885	318	707
20	397	318	206	159	111	190	796	286	636
24	331	265	172	132	92	159	663	238	530
30	265	212	137	106	74	127	531	190	424
36	221	176	114	88	61	106	442	159	353
40	198	159	103	79	55	95	398	143	318
50	159	127	82	63	44	76	318	114	254
65	122	97	63	48	34	58	245	88	195

RECOMMENDED SPINDLE SPEED FOR TCT ANNULAR CUTTERS

Material	Steel ≤ 500 N/mm ²	Steel ≤ 750 N/mm ²	Steel ≤ 900 N/mm ²	Steel ≤ 1200 N/mm ²	Steel ≤ 1400 N/mm ²	Stainless steel	Aluminium	Cast iron	Cast copper
Feed [mm/rev]	0,08-0,13	0,08-0,13	0,05-0,1	0,05-0,1	0,05-0,1	0,05-0,1	0,1-0,15	0,07-0,12	0,08-0,13
Milling speed [m/min]	40	37	35	30	25	20	90	60	35
Cooling	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	5% cooling emulsion	Compressed air	5% cooling emulsion
Diameter Ø mm	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm
14	909	841	795	682	568	454	2046	1364	795
18	707	654	618	530	442	353	1591	1061	618
20	636	588	557	477	397	318	1432	954	557
22	578	535	506	434	361	289	1302	868	506
24	530	490	464	397	331	265	1193	795	464
30	424	392	371	318	265	212	954	636	371
36	353	327	309	265	221	176	795	530	309
40	318	294	278	238	198	159	716	477	278
50	254	235	222	190	159	127	572	381	222
60	212	196	185	159	132	106	477	318	185
80	159	147	139	119	99	79	358	238	139
100	127	117	111	95	79	63	286	190	111
120	106	98	92	79	66	53	238	159	92
150	84	78	74	63	53	42	190	127	74

HSS Metric Annular Cutters				
Dia- meter Metric	25 mm D.O.C. Product Code	50 mm D.O.C. Product Code	75 mm D.O.C. Product Code	100 mm D.O.C. Product Code
12 mm	FRZ-001000	FRZ-001054	N/A	N/A
13 mm	FRZ-001001	FRZ-001055	N/A	N/A
14 mm	FRZ-001002	FRZ-001056	N/A	N/A
15 mm	FRZ-001003	FRZ-001057	N/A	N/A
16 mm	FRZ-001004	FRZ-001058	N/A	N/A
17 mm	FRZ-001005	FRZ-001059	N/A	N/A
18 mm	FRZ-001006	FRZ-001060	FRZ-001108	FRZ-001156
19 mm	FRZ-001007	FRZ-001061	FRZ-001109	FRZ-001157
20 mm	FRZ-001008	FRZ-001062	FRZ-001110	FRZ-001158
21 mm	FRZ-001009	FRZ-001063	FRZ-001111	FRZ-001159
22 mm	FRZ-001010	FRZ-001064	FRZ-001112	FRZ-001160
23 mm	FRZ-001011	FRZ-001065	FRZ-001113	FRZ-001161
24 mm	FRZ-001012	FRZ-001066	FRZ-001114	FRZ-001162
25 mm	FRZ-001013	FRZ-001067	FRZ-001115	FRZ-001163
26 mm	FRZ-001014	FRZ-001068	FRZ-001116	FRZ-001164
27 mm	FRZ-001015	FRZ-001069	FRZ-001117	FRZ-001165
28 mm	FRZ-001016	FRZ-001070	FRZ-001118	FRZ-001166
29 mm	FRZ-001017	FRZ-001071	FRZ-001119	FRZ-001167
30 mm	FRZ-001018	FRZ-001072	FRZ-001120	FRZ-001168
31 mm	FRZ-001019	FRZ-001073	FRZ-001121	FRZ-001169
32 mm	FRZ-001020	FRZ-001074	FRZ-001122	FRZ-001170
33 mm	FRZ-001021	FRZ-001075	FRZ-001123	FRZ-001171
34 mm	FRZ-001022	FRZ-001076	FRZ-001124	FRZ-001172
35 mm	FRZ-001023	FRZ-001077	FRZ-001125	FRZ-001173
36 mm	FRZ-001024	FRZ-001078	FRZ-001126	FRZ-001174
37 mm	FRZ-001025	FRZ-001079	FRZ-001127	FRZ-001175
38 mm	FRZ-001026	FRZ-001080	FRZ-001128	FRZ-001176
39 mm	FRZ-001027	FRZ-001081	FRZ-001129	FRZ-001177
40 mm	FRZ-001028	FRZ-001082	FRZ-001130	FRZ-001178
41 mm	FRZ-001029	FRZ-001083	FRZ-001131	FRZ-001179
42 mm	FRZ-001030	FRZ-001084	FRZ-001132	FRZ-001180
43 mm	FRZ-001031	FRZ-001085	FRZ-001133	FRZ-001181
44 mm	FRZ-001032	FRZ-001086	FRZ-001134	FRZ-001182
45 mm	FRZ-001033	FRZ-001087	FRZ-001135	FRZ-001183
46 mm	FRZ-001034	FRZ-001088	FRZ-001136	FRZ-001184
47 mm	FRZ-001035	FRZ-001089	FRZ-001137	FRZ-001185
48 mm	FRZ-001036	FRZ-001090	FRZ-001138	FRZ-001186
49 mm	FRZ-001037	FRZ-001091	FRZ-001139	FRZ-001187
50 mm	FRZ-001038	FRZ-001092	FRZ-001140	FRZ-001188
51 mm	FRZ-001039	FRZ-001093	FRZ-001141	FRZ-001189
52 mm	FRZ-001040	FRZ-001094	FRZ-001142	FRZ-001190
53 mm	FRZ-001041	FRZ-001095	FRZ-001143	FRZ-001191
54 mm	FRZ-001042	FRZ-001096	FRZ-001144	FRZ-001192
55 mm	FRZ-001043	FRZ-001097	FRZ-001145	FRZ-001193
56 mm	FRZ-001044	FRZ-001098	FRZ-001146	FRZ-001194
57 mm	FRZ-001045	FRZ-001099	FRZ-001147	FRZ-001195
58 mm	FRZ-001046	FRZ-001100	FRZ-001148	FRZ-001196
59 mm	FRZ-001047	FRZ-001101	FRZ-001149	FRZ-001197
60 mm	FRZ-001048	FRZ-001102	FRZ-001150	FRZ-001198
61 mm	FRZ-001049	FRZ-001103	FRZ-001151	
62 mm	FRZ-001050	FRZ-001104	FRZ-001152	
63 mm	FRZ-001051	FRZ-001105	FRZ-001153	
64 mm	FRZ-001052	FRZ-001106	FRZ-001154	
65 mm	FRZ-001053	FRZ-001107	FRZ-001155	

TCT Metric Annular Cutters				
Dia- meter Metric	35 mm D.O.C. Product Code	50 mm D.O.C. Product Code	75 mm D.O.C. Product Code	100 mm D.O.C. Product Code
12 mm	FRZ-001199	FRZ-001253	N/A	N/A
13 mm	FRZ-001200	FRZ-001254	N/A	N/A
14 mm	FRZ-001201	FRZ-001255	N/A	N/A
15 mm	FRZ-001202	FRZ-001256	N/A	N/A
16 mm	FRZ-001203	FRZ-001257	N/A	N/A
17 mm	FRZ-001204	FRZ-001258	N/A	N/A
18 mm	FRZ-001205	FRZ-001259	FRZ-001362	FRZ-001465
19 mm	FRZ-001206	FRZ-001260	FRZ-001363	FRZ-001466
20 mm	FRZ-001207	FRZ-001261	FRZ-001364	FRZ-001467
21 mm	FRZ-001208	FRZ-001262	FRZ-001365	FRZ-001468
22 mm	FRZ-001209	FRZ-001263	FRZ-001366	FRZ-001469
23 mm	FRZ-001210	FRZ-001264	FRZ-001367	FRZ-001470
24 mm	FRZ-001211	FRZ-001265	FRZ-001368	FRZ-001471
25 mm	FRZ-001212	FRZ-001266	FRZ-001369	FRZ-001472
26 mm	FRZ-001213	FRZ-001267	FRZ-001370	FRZ-001473
27 mm	FRZ-001214	FRZ-001268	FRZ-001371	FRZ-001474
28 mm	FRZ-001215	FRZ-001269	FRZ-001372	FRZ-001475
29 mm	FRZ-001216	FRZ-001270	FRZ-001373	FRZ-001476
30 mm	FRZ-001217	FRZ-001271	FRZ-001374	FRZ-001477
31 mm	FRZ-001218	FRZ-001272	FRZ-001375	FRZ-001478
32 mm	FRZ-001219	FRZ-001273	FRZ-001376	FRZ-001479
33 mm	FRZ-001220	FRZ-001274	FRZ-001377	FRZ-001480
34 mm	FRZ-001221	FRZ-001275	FRZ-001378	FRZ-001481
35 mm	FRZ-001222	FRZ-001276	FRZ-001379	FRZ-001482
36 mm	FRZ-001223	FRZ-001277	FRZ-001380	FRZ-001483
37 mm	FRZ-001224	FRZ-001278	FRZ-001381	FRZ-001484
38 mm	FRZ-001225	FRZ-001279	FRZ-001382	FRZ-001485
39 mm	FRZ-001226	FRZ-001280	FRZ-001383	FRZ-001486
40 mm	FRZ-001227	FRZ-001281	FRZ-001384	FRZ-001487
41 mm	FRZ-001228	FRZ-001282	FRZ-001385	FRZ-001488
42 mm	FRZ-001229	FRZ-001283	FRZ-001386	FRZ-001489
43 mm	FRZ-001230	FRZ-001284	FRZ-001387	FRZ-001490
44 mm	FRZ-001231	FRZ-001285	FRZ-001388	FRZ-001491
45 mm	FRZ-001232	FRZ-001286	FRZ-001389	FRZ-001492
46 mm	FRZ-001233	FRZ-001287	FRZ-001390	FRZ-001493
47 mm	FRZ-001234	FRZ-001288	FRZ-001391	FRZ-001494
48 mm	FRZ-001235	FRZ-001289	FRZ-001392	FRZ-001495
49 mm	FRZ-001236	FRZ-001290	FRZ-001393	FRZ-001496
50 mm	FRZ-001237	FRZ-001291	FRZ-001394	FRZ-001497
51 mm	FRZ-001238	FRZ-001292	FRZ-001395	FRZ-001498
52 mm	FRZ-001239	FRZ-001293	FRZ-001396	FRZ-001499
53 mm	FRZ-001240	FRZ-001294	FRZ-001397	FRZ-001500
54 mm	FRZ-001241	FRZ-001295	FRZ-001398	FRZ-001501
55 mm	FRZ-001242	FRZ-001296	FRZ-001399	FRZ-001502
56 mm	FRZ-001243	FRZ-001297	FRZ-001400	FRZ-001503
57 mm	FRZ-001244	FRZ-001298	FRZ-001401	FRZ-001504
58 mm	FRZ-001245	FRZ-001299	FRZ-001402	FRZ-001505
59 mm	FRZ-001246	FRZ-001300	FRZ-001403	FRZ-001506
60 mm	FRZ-001247	FRZ-001301	FRZ-001404	FRZ-001507
61 mm	FRZ-001248	FRZ-001302	FRZ-001405	FRZ-001508
62 mm	FRZ-001249	FRZ-001303	FRZ-001406	FRZ-001509
63 mm	FRZ-001250	FRZ-001304	FRZ-001407	FRZ-001510
64 mm	FRZ-001251	FRZ-001305	FRZ-001408	FRZ-001511
65 mm	FRZ-001252	FRZ-001306	FRZ-001409	FRZ-001512

TCT Metric Annular Cutters			
Dia- meter Metric	50 mm D.O.C. Product Code	75 mm D.O.C. Product Code	100 mm D.O.C. Product Code
66 mm	FRZ-001307	FRZ-001410	FRZ-001513
67 mm	FRZ-001308	FRZ-001411	FRZ-001514
68 mm	FRZ-001309	FRZ-001412	FRZ-001515
69 mm	FRZ-001310	FRZ-001413	FRZ-001516
70 mm	FRZ-001311	FRZ-001414	FRZ-001517
71 mm	FRZ-001312	FRZ-001415	FRZ-001518
72 mm	FRZ-001313	FRZ-001416	FRZ-001519
73 mm	FRZ-001314	FRZ-001417	FRZ-001520
74 mm	FRZ-001315	FRZ-001418	FRZ-001521
75 mm	FRZ-001316	FRZ-001419	FRZ-001522
76 mm	FRZ-001317	FRZ-001420	FRZ-001523
77 mm	FRZ-001318	FRZ-001421	FRZ-001524
78 mm	FRZ-001319	FRZ-001422	FRZ-001525
79 mm	FRZ-001320	FRZ-001423	FRZ-001526
80 mm	FRZ-001321	FRZ-001424	FRZ-001527
81 mm	FRZ-001322	FRZ-001425	FRZ-001528
82 mm	FRZ-001323	FRZ-001426	FRZ-001529
83 mm	FRZ-001324	FRZ-001427	FRZ-001530
84 mm	FRZ-001325	FRZ-001428	FRZ-001531
85 mm	FRZ-001326	FRZ-001429	FRZ-001532
86 mm	FRZ-001327	FRZ-001430	FRZ-001533
87 mm	FRZ-001328	FRZ-001431	FRZ-001534
88 mm	FRZ-001329	FRZ-001432	FRZ-001535
89 mm	FRZ-001330	FRZ-001433	FRZ-001536
90 mm	FRZ-001331	FRZ-001434	FRZ-001537
91 mm	FRZ-001332	FRZ-001435	FRZ-001538
92 mm	FRZ-001333	FRZ-001436	FRZ-001539
93 mm	FRZ-001334	FRZ-001437	FRZ-001540
94 mm	FRZ-001335	FRZ-001438	FRZ-001541
95 mm	FRZ-001336	FRZ-001439	FRZ-001542
96 mm	FRZ-001337	FRZ-001440	FRZ-001543
97 mm	FRZ-001338	FRZ-001441	FRZ-001544
98 mm	FRZ-001339	FRZ-001442	FRZ-001545
99 mm	FRZ-001340	FRZ-001443	FRZ-001546
100 mm	FRZ-001341	FRZ-001444	FRZ-001547
101 mm	FRZ-001342	FRZ-001445	FRZ-001548
102 mm	FRZ-001343	FRZ-001446	FRZ-001549
103 mm	FRZ-001344	FRZ-001447	FRZ-001550
104 mm	FRZ-001345	FRZ-001448	FRZ-001551
105 mm	FRZ-001346	FRZ-001449	FRZ-001552
106 mm	FRZ-001347	FRZ-001450	FRZ-001553
107 mm	FRZ-001348	FRZ-001451	FRZ-001554
108 mm	FRZ-001349	FRZ-001452	FRZ-001555
109 mm	FRZ-001350	FRZ-001453	FRZ-001556
110 mm	FRZ-001351	FRZ-001454	FRZ-001557
115 mm	FRZ-001352	FRZ-001455	FRZ-001558
120 mm	FRZ-001353	FRZ-001456	FRZ-001559
125 mm	FRZ-001354	FRZ-001457	FRZ-001560
130 mm	FRZ-001355	FRZ-001458	FRZ-001561
135 mm	FRZ-001356	FRZ-001459	FRZ-001562
140 mm	FRZ-001357	FRZ-001460	FRZ-001563
145 mm	FRZ-001358	FRZ-001461	FRZ-001564
150 mm	FRZ-001359	FRZ-001462	FRZ-001565
155 mm	FRZ-001360	FRZ-001463	FRZ-001566
160 mm	FRZ-001361	FRZ-001464	FRZ-001567

TCT Rail		TCT Rail HD
Dia- meter Metric	25 mm D.O.C. Product Code	25 mm D.O.C. Product Code
13.5 mm	N/A	FRZ-001587
18 mm	FRZ-001568	FRZ-001588
19 mm	FRZ-001569	FRZ-001589
20 mm	FRZ-001570	FRZ-001590
21 mm	FRZ-001571	FRZ-001591
22 mm	FRZ-001572	FRZ-001592
23 mm	FRZ-001573	FRZ-001593
24 mm	FRZ-001574	FRZ-001594
25 mm	FRZ-001575	FRZ-001595
26 mm	FRZ-001576	FRZ-001596
27 mm	FRZ-001577	FRZ-001597
28 mm	FRZ-001578	FRZ-001598
29 mm	FRZ-001579	FRZ-001599
30 mm	FRZ-001580	FRZ-001600
31 mm	FRZ-001581	FRZ-001601
32 mm	FRZ-001582	FRZ-001602
33 mm	FRZ-001583	FRZ-001603
34 mm	FRZ-001584	FRZ-001604
35 mm	FRZ-001585	FRZ-001605
36 mm	FRZ-001586	FRZ-001606



HSS Annular Cutter



TCT Annular Cutter

D.O.C. - Depth of cut; N/A - Non applicable

Pilot Pin Size	Matching HSS Metric Cutters	Product Code
Ø6.34/5.3 x 77 mm	Ø12 - 65 mm with 25 mm D.O.C.	PLT-000100
Ø6.34/5.3 x 102 mm	Ø12 - 65 mm with 50 mm D.O.C.	PLT-000101
Ø7.98 x 130 mm	Ø18 - 65 mm with 75 mm D.O.C.	PLT-000102
Ø7.98 x 160 mm	Ø18 - 60 mm with 100 mm D.O.C.	PLT-000103



PRO-52T

UNIVERSAL TAPPING AND DRILLING MACHINE

The PRO-52T drilling machine is suitable for hole cutting and tapping applications.

Powerful variable speed motor enables milling capacity up to 50mm (2") and drilling capacity up to 23 mm (7/8").

Machine's forward & reverse work modes allow thread cutting up to M20 with Promotech's new tapping system.

Two speed gearbox with continuous speed adjustment allows to set the optimal speed depending on diameter, steel grade or tool quality.

Intelligent speed control system maintains constant motor speed regardless of changing loads.

Innovative 360-degree LED indicator facilitates proper machine operation and increases work safety.

Features and benefits:

- powerful motor with heavy duty 2-speed gearbox
- Electronic Speed Stabilization System (ESSS) maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic clutch
- both overload and overheat protection
- rigid design extends tool life
- tilt sensor stops the motor if machine breaks away
- 360-degree visual monitoring system indicates current condition of the drill and gives safety and diagnostic information e.g. worn brushes
- innovative smart magnet with reduced weight
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running
- Semi-automatic gib adjustment enables simple, fast, correct and repeatable slide backlash settings without any expert knowledge or experience
- intuitive control panel at top of the drill
- large coolant container



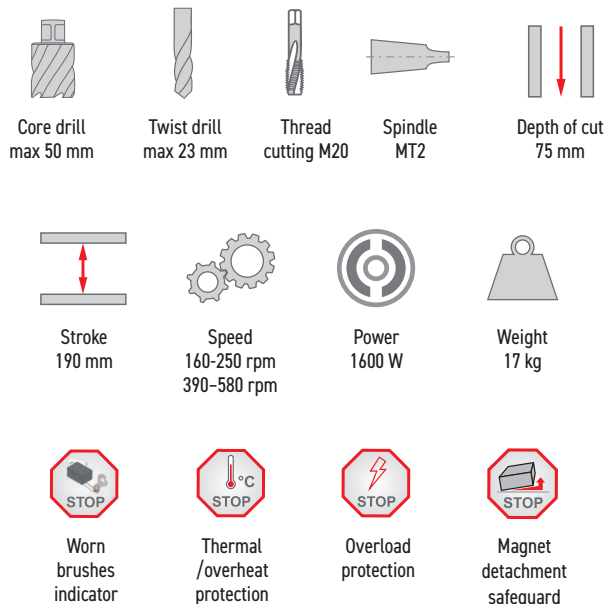
Counterclockwise (CCW) rotation
User-friendly control of tapping
tool release



PRO-52T - TECHNICAL SPECIFICATION

Motor Speeds (under load)	160-250 rpm (gear I) 390-580 rpm (gear II)
Power	1600 W
Weight	17 kg (37 lbs)
Max milling capacity	50 mm (2")
Max drilling capacity	23 mm (7/8")
Max Tap size	M20 (3/4")
Stroke	190 mm (7-1/2")
Max depth of cut	75 mm (3") *
Voltage	1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz
Overload protection	yes
Overheat protection	yes
Continuous Speed Adjustment	yes
ESSS (Electronic Speed Stabilization System)	yes
Semi-automatic gib adjustment	yes
MFSC (Magnetic Field Shape Control)	yes
ESB - Energy Saving Base	yes
Magnet detachment safeguard	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1122 kgf (11 000 N)
Magnet Base Dimensions	90 mm × 180 mm × 48 mm 3-9/16" × 7" × 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-0600-10-20-00-1
Product Code 110-120 V, 50-60 Hz	WRT-0600-10-10-00-1

* If more than 51 mm (2"), use AMT2-C19/2-3 Arbor (UCW-0220-00-00-00-4).





Tapping through holes up to M20



Tapping blind holes up to M20



Milling capacity up to 50 mm (2")
Max depth up to 75 mm (3")



Drilling capacity up to 23 mm (7/8")
Max stroke up to 190 mm (7-1/2")

Promotech introduces quick change tapping system including wide range of accessories:



- TC – Tapping chucks with securing nut
- TA – Tapping Adapters for through holes
- TASC – Tapping Adapters Safety Clutch for blind holes
- RA – Reduction Adapters

Tapping tool	Tapping chucks	
	MT2-19	MT2-31
M8	TA-1 or TASC-1	TA-1 or TASC-1 along with optional RA 2/1
M10		
M12		
M8		TA-2 or TASC-2
M10		
M12		
M14		
M16		
M18		
M20		

Standard tapping configuration

Optional tapping configuration

Standard shipping set:

- Drilling machine
- Plastic box
- Handle (3 pcs)
- MT2 arbor with 19 mm (3/4") Weldon tool holder
- Safety strap
- Cooling system
- Protective spring for cooling hose
- MT2 drift
- 6 mm hex wrench
- 5 mm hex wrench with a handle
- 2.5 mm hex wrench
- 8 mm combination wrench
- Tool can
- Locking connector (only in 115 V version)
- Operator's Manual

More optional accessories:

Arbor AMT2-C19/2-3
for 75 mm (3") depth cutting
product code: UCW-0220-00-00-04



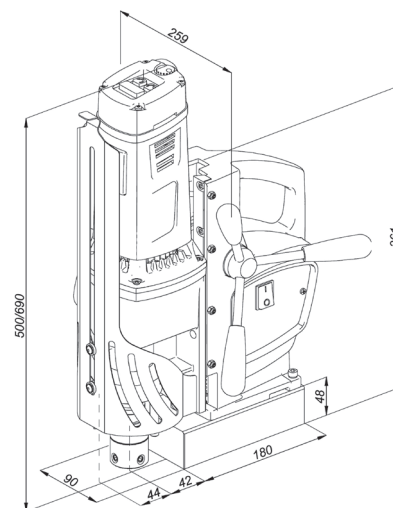
Vacuum pad
product code: PDS-0587-00-00-00



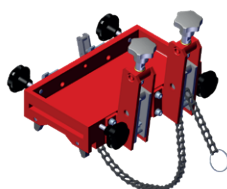
Compressed air ejector
product code: ZSP-0587-11-00-00-0



Dimensions:



Pipe attachment DMP 251
for pipes with diameters of
80-250 mm (3-10")
product code: PDS-0110-03-00-01-0



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



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



PRO-72T | VERSATILE DRILLING & TAPPING MACHINE

The PRO-72T drilling machine is suitable for hole cutting and tapping applications.

Powerful variable speed motor enables milling capacity up to 70 mm (2-3/4") and drilling capacity up to 25 mm (1").

Machine's forward & reverse work modes allow thread cutting up to M20 with Promotech's new tapping system.

Two speed gearbox with continuous speed adjustment allows to set the optimal speed depending on diameter, steel grade or tool type.

Intelligent speed control system maintains constant motor speed regardless of changing loads.

Innovative 360-degree LED indicator facilitates proper machine operation and increases work safety.

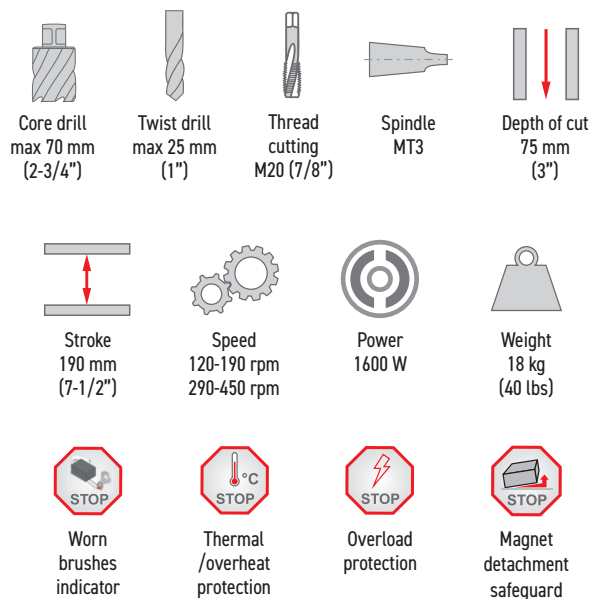
Features and benefits:

- powerful motor with heavy duty 2-speed gearbox
- Electronic Speed Stabilization System (ESSS) maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic clutch
- both overload and overheat protection
- rigid design extends tool life
- tilt sensor stops the motor if machine breaks away
- 360-degree visual monitoring system indicates current condition of the drill and gives safety and diagnostic information e.g. worn brushes
- innovative smart magnet with reduced weight
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running
- Semi-automatic gib adjustment enables simple, fast, correct and repeatable slide backlash settings without any expert knowledge or experience
- intuitive control panel at top of the drill
- large coolant container



PRO-72T TECHNICAL SPECIFICATION

Motor Speeds (under load)	120-190 rpm (gear I) 290-450 rpm (gear II)
Power	1600 W
Weight	18 kg (40 lbs)
Max milling capacity	70 mm (2-3/4")*
Max drilling capacity	25 mm (1")
Max Tap size	M20 (7/8")
Stroke	190 mm (7-1/2")
Max depth of cut	75 mm (3")
Voltage	1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz
Overload protection	yes
Overheat protection	yes
Continuous Speed Adjustment	yes
ESSS (Electronic Speed Stabilization System)	yes
Semi-automatic gib adjustment	yes
MFSC (Magnetic Field Shape Control)	yes
ESB (Energy Saving Base)	yes
Magnet detachment safeguard	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1122 kgf (11 000 N)
Magnet Base Dimensions	92 mm × 180 mm × 54 mm 3-5/8" × 7" × 2-1/8"
Min. Workpiece Thickness	8 mm (5/16")
Spindle	MT3
Tool holder	19 mm (3/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0686-10-20-00-1
Product Code 110-120 V, 50-60 Hz	WRT-0686-10-10-00-1



* If more than 60 mm (2-3/8"), use an MT3 arbor with 32 mm Weldon tool holder (UCW-0686-08-00-00-0)



Tapping through holes up to M20



Tapping blind holes up to M20



Milling capacity up to 70 mm (2-3/4")
Max depth up to 75 mm (3")



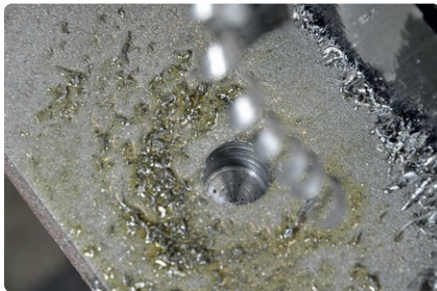
Drilling capacity up to 25 mm (1")
Max stroke up to 190 mm (7-1/2")

PRO-72T - Available tapping configurations

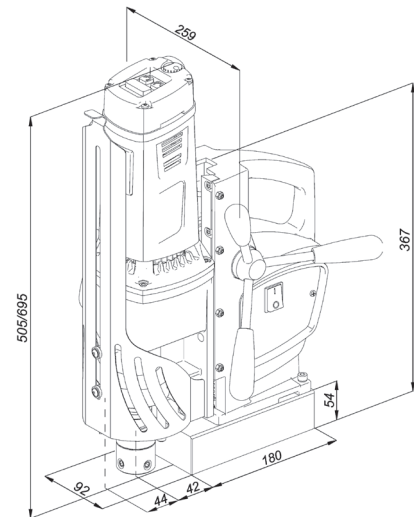
Tapping tool	Tapping chucks	
	MT3-19	MT3-31
M8	TA-1 or TASC-1	TA-1 or TASC-1 along with optional RA 2/1
M10		
M12		
M8	TA-2 or TASC-2	
M10		
M12		
M14		
M16		
M18		
M20		

Standard tapping configuration

Optional tapping configuration



Dimensions:



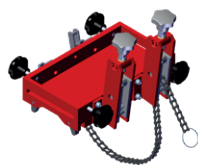
Standard shipping set:

- Drilling machine
- Plastic box
- Handle (3 pcs)
- MT3 arbor with 19 mm (3/4") Weldon tool holder
- Safety strap
- Cooling system
- Protective spring for cooling hose
- MT2 drift
- 5 mm hex wrench with a handle
- 4 mm hex wrench
- 2.5 mm hex wrench
- 8 mm combination wrench
- Operator's Manual

More optional accessories:



Pipe attachment DMP 251 for pipes with diameters of 80-250 mm (3-10")
product code: PDS-0110-03-00-01-0



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-0686-08-00-00-0



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



PRO-122T SB

INDUSTRIAL TAPPING & DRILLING MACHINE WITH SWIVEL BASE

The PRO-122T SB machine is designed for industrial hole making and tapping applications. Powerful variable speed motor enables milling capacity up to 120 mm (4-3/4") and drilling capacity up to 31.75 mm (1-1/4").

Machine's forward & reverse work modes allow thread cutting up to M30 with Promotech's new tapping system. The PRO-122T SB has a swivel base which makes it much easier to align the pilot pin or twist drill for accurate drilling to avoid off-center holes, especially when used upside down or sideways.

Four speed gearbox with continuous speed adjustment allows to set the optimal speed depending on diameter, steel grade or tool quality. Intelligent speed control system maintains constant motor speed regardless of changing loads.

Innovative 360-degree LED indicator facilitates proper machine operation and increases work safety.

Features and benefits:

- Swivel base enables local displacement of the machine to facilitate precise hole positioning
- The most powerful motor in its class (among MT3 drills) with heavy duty 4-speed gearbox
- Electronic Speed Stabilization System (ESSS) maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic clutch
- both overload and overheat protection
- rigid design extends tool life
- tilt sensor stops the motor if machine breaks away
- 360-degree visual monitoring system indicates current condition of the drill and gives safety and diagnostic information e.g. worn brushes
- innovative smart magnet with reduced weight
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running
- Semi-automatic gib adjustment enables simple, fast, correct and repeatable slide backlash settings without any expert knowledge or experience
- intuitive control panel at top of the drill
- large coolant container



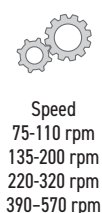
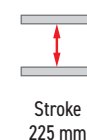
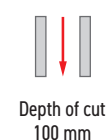
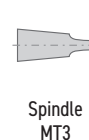
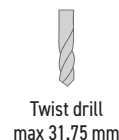
PRO-122T SB TECHNICAL SPECIFICATION

Motor Speeds (under load)	75-110 rpm (gear I) 135-200 rpm (gear II) 220-320 rpm (gear III) 390-570 rpm (gear IV)
Power	2300 W
Weight	28.5 kg (63 lbs)
Max milling capacity *	110 mm ÷ 120 mm for up to 2" D.O.C. cutters w/o swivel base in use 110 mm for up to 2" D.O.C. cutters with or w/o swivel base in use 100 mm for up to 4" D.O.C. cutters with or w/o swivel base in use
Max drilling capacity	31.75 mm (1-1/4")
Max Tap size	M30 (1-1/4")
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
Overload protection	yes
Overheat protection	yes
Continuous Speed Adjustment	yes
ESSS (Electronic Speed Stabilization System)	yes
Semi-automatic gib adjustment	yes
MFSC (Magnetic Field Shape Control)	yes
ESB - Energy Saving Base	yes
Magnet detachment safeguard	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1835 kgf (18 000 N)
Magnet Base Dimensions	110 mm × 220 mm × 50 mm 4.3" × 8.7" × 2"
Base adjustment range	shift +10 mm (0.39")/-5 mm (0.20"), turn ±15°
Min. Workpiece Thickness	10 mm (3/8")
Spindle	MT3
Tool holder	19 mm (3/4") or 32 mm (1-1/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0739-10-20-00-1
Product Code 110-120 V, 50-60 Hz	WRT-0739-10-10-00-1

* If more than 60 mm (2.36"), use an MT3 arbor with 32 mm Weldon tool holder (UCW-0563-22-00-00-0).

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
- 6 mm hex wrench
- 5 mm hex wrench with a handle
- 2.5 mm hex wrench
- 8 mm combination wrench
- Tool can
- Locking connector (only in 115 V version)
- Operator's Manual



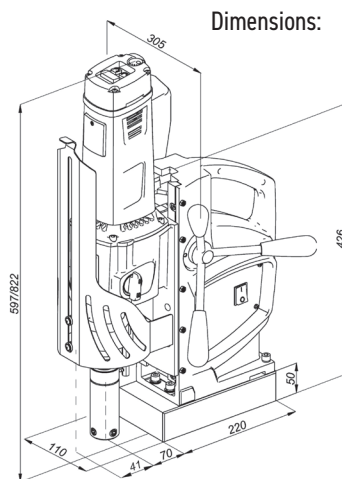
Through hole tapping up to M30



Blind hole tapping up to M30



Max depth of cut up to 100 mm (4")



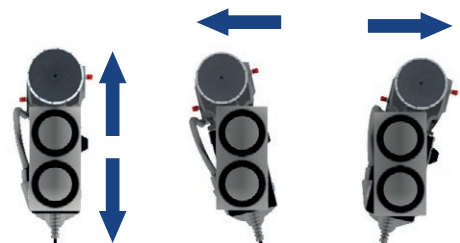
Dimensions:

PRO-122T SB - Available tapping configurations

Tapping tool	Tapping chucks		
	MT3-19	MT3-31	MT3-48
M8	TA-1 or TASC-1	TA-1 or TASC-1 along with optional RA 2/1	TA-1 or TASC-1 along with optional RA 3/1
M10			
M12			
M8	TA-2 or TASC-2	TA-2 or TASC-2 along with optional RA 3/2	TA-2 or TASC-2 along with optional RA 3/2
M10			
M12			
M14			
M16			
M18			
M20			
M14	TA-3 or TASC-3	TA-3 or TASC-3	TA-3 or TASC-3
M16			
M18			
M20			
M22, M24			
M27			
M30			

Standard tapping configuration

Optional tapping configuration

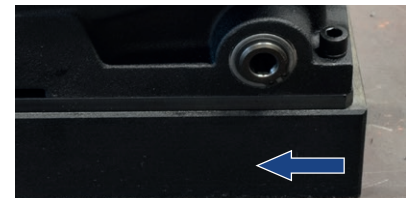


Reduce fatigue, increase productivity and facilitate accurate hole placement with the PRO-122T SB.

With its swivel base, you can move the pilot pin or twist drill until it 'click' into the punch mark to align the tool for precise drilling.



15-degree right swing



10.0 mm forward



15-degree left swing



5.0 mm backwards



PRO-152T | HEAVY DUTY TAPPING AND DRILLING MACHINE

The PRO-152T drilling machine is designed for large hole making and very big tapping applications. Powerful variable speed motor enables milling capacity up to 150 mm (5-7/8") and drilling capacity up to 47 mm (1-7/8").

Machine's forward & reverse work modes allow thread cutting up to M42 with Promotech's new tapping system.

Four speed gearbox with continuous speed adjustment allows to set the optimal speed depending on diameter, steel grade or tool quality.

Intelligent speed control system maintains constant motor speed regardless of changing loads.

Innovative 360-degree LED indicator facilitates proper machine operation and increases work safety.

Features and benefits:

- powerful motor with heavy duty 4-speed gearbox
- Electronic Speed Stabilization System (ESSS) maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic clutch
- both overload and overheat protection
- rigid design extends tool life
- tilt sensor stops the motor if machine breaks away
- 360-degree visual monitoring system indicates current condition of the drill and gives safety and diagnostic information e.g. worn brushes
- innovative smart magnet with reduced weight
- Magnetic Field Shape Control (MFSC) provides maximum holding power on thin materials
- Energy Saving Base (ESB) uses only 50% of its power when motor is not running
- Semi-automatic gib adjustment enables simple, fast, correct and repeatable slide backlash settings without any expert knowledge or experience
- intuitive control panel at top of the drill
- large coolant container



PRO-152T TECHNICAL SPECIFICATION

Motor Speeds (under load)	55-85 rpm (gear I) 100-150 rpm (gear II) 200-300 rpm (gear III) 350-520 rpm (gear IV)
Power	2300 W
Weight	31 kg (68 lbs)
Max milling capacity	150 mm (5-7/8")*
Max drilling capacity	47 mm (1-7/8")
Max Tap size	M42 (1-5/8")
Stroke	260 mm (10")
Max depth of cut	100 mm (4")
Voltage	1~ 220-240 V, 50-60 Hz 1~ 110-120 V, 50-60 Hz
Overload protection	yes
Overheat protection	yes
Continuous Speed Adjustment	yes
ESSS (Electronic Speed Stabilization System)	yes
Semi-automatic gib adjustment	yes
MFSC (Magnetic Field Shape Control)	yes
ESB - Energy Saving Base	yes
Magnet detachment safeguard	yes
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	2550 kgf (25 000 N)
Magnet Base Dimensions	105 mm × 315 mm × 50 mm 4-1/8" × 12-3/8" × 2"
Min. Workpiece Thickness	10 mm (3/8")
Spindle	MT4
Tool holder	19 mm (3/4") or 32 mm (1-1/4") Weldon
Product Code 220-240 V, 50-60 Hz	WRT-0583-10-20-01-0
Product Code 110-120 V, 50-60 Hz	WRT-0583-10-10-01-0

* If more than 60 mm (2.36"), use an MT4 arbor with 32 mm Weldon tool holder (UCW-583-13-00-00-0).

Core drill
max 150 mm

Twist drill
max 47 mm

Spindle
MT4

Depth of cut
100 mm

Stroke
260 mm

Speed
55-85 rpm
100-150 rpm
200-300 rpm
350-520 rpm

Motor Power
2300 W

Weight
31 kg

Thread
cutting
M42

Worn
brushes
indicator

Thermal
/overheat
protection

Overload
protection

Magnet
detachment
safeguard



Milling capacity up to 150 mm (5-7/8")



Drilling capacity up to 47 mm (1-7/8")
Max stroke up to 260 mm (10")

Through hole tapping up to M42



Blind hole tapping up to M33



Standard shipping set:

- Drilling machine
- Metal box
- Handle (3pcs)
- MT4 arbor with 19 mm (3/4") Weldon tool holder
- Safety strap
- Cooling system
- Protective spring for cooling hose
- MT4 drift
- 6 mm hex wrench
- 5 mm hex wrench with a handle
- 2.5 mm hex wrench
- 8 mm combination wrench
- Tool can
- Locking connector (only in 115 V version)
- Operator's Manual

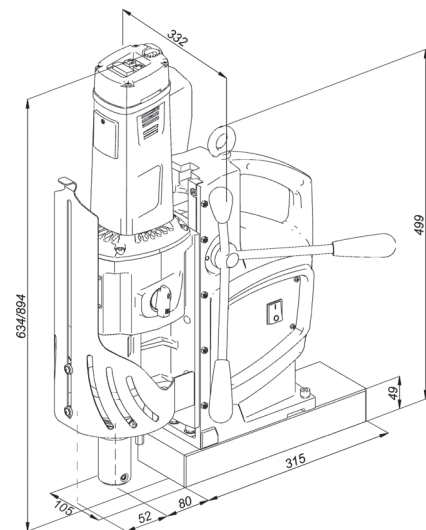
PRO-152T - Available tapping configurations

Tapping tool	Tapping chucks		
	MT4-31	MT4-48	MT4-60
M8	TA-1 or TASC-1 along with optional RA 2/1	TA-1 or TASC-1 along with optional RA 3/1	
M10			
M12			
M8			
M10			
M12	TA-2 or TASC-2	TA-2 or TASC-2 along with optional RA 3/2	TA-2 or TASC-2 along with optional RA 4/2
M14			
M16			
M18			
M20			
M14		TA-3 or TASC-3	TA-3 or TASC-3 along with optional RA 4/3
M16			
M18			
M20			
M22, M24			
M27			TA-4 or TASC-4
M30			
M24			
M27			
M30			
M33			TA-4
M36			
M42			

Standard tapping configuration

Optional tapping configuration

Dimensions:



Max depth of cut up to 100 mm (4")

Joint features and benefits of PRO-52T, PRO-72T, PRO-122T SB and PRO-152T tapping & drilling machines



360-degree Visual Monitoring System – VMS



 CONDITION OF THE DRILL		Ready to Operate (Solid Green)
		Normal Operation (Solid White)
		Motor Overheat (Solid Red)
		Emergency Stop/Overload Condition (Solid Blue)
		Emergency Stop/Low Adhesion (Solid Violet)
 SAFETY INFORMATION		Inadequate Adhesion (Flashing Green)
		Near Overload (Flashing Blue)
 DIAGNOSTIC INFORMATION		Emergency Stop/Voltage Drop (Red Flashes to Blue)
		Emergency Stop/Worn Brushes (Red Flashes to Green)



Counterclockwise (CCW) rotation
User-friendly control of tapping tool release



Tapping chuck equipped with securing nut protects tapping tool against pull out

TAPPING ACCESSORIES FOR DRILLING MACHINES



Promotech introduces quick change tapping system including wide range of accessories:



- TC - Tapping Chucks MT2, MT3, MT4 featuring securing nut (8 models altogether)
Our tapping chucks are compatible with various drilling machines. We however recommend using the tapping chucks with Promotech brand drills
- TA - Tapping Adapters without safety clutch for tapping tools size M3 up to M42 for through holes (26 models altogether)
- TASC - Tapping Adapters with Safety Clutch for tapping tools size M3 up to M42 for blind holes (26 models altogether)
- RA - Reduction Adapters to extend the scope of tapping tools for use with particular tapping chucks (5 models altogether)

Promotech's tapping accessories at a glance

TC - Tapping chucks Product Code		Tapping Adapters both TA & TASC types (applicable for metric and imperial)			
		19 mm [1]	31 mm [2]	48 mm [3]	60 mm [4]
MT2	OPR-0584-06-00-00-1	●	N/A	N/A	N/A
	OPR-0584-10-00-00-1	only with RDC-000008	●	N/A	N/A
MT3	OPR-0584-11-00-00-1	●	N/A	N/A	N/A
	OPR-0584-08-00-00-1	only with RDC-000008	●	N/A	N/A
	OPR-0584-02-00-00-1	only with RDC-000009	only with RDC-000010	●	N/A
MT4	OPR-0584-09-00-00-1	only with RDC-000008	●	N/A	N/A
	OPR-0584-04-00-00-1	only with RDC-000009	only with RDC-000010	●	N/A
	OPR-0584-07-00-00-1	N/A	only with RDC-000011	only with RDC-000012	●

TC - Tapping chucks with securing nuts

Product Code	Type	Description
OPR-0584-06-00-00-1	MT2-19	Tapping chuck MT2 x 19 mm
OPR-0584-10-00-00-1	MT2-31	Tapping chuck MT2 x 31 mm
OPR-0584-11-00-00-1	MT3-19	Tapping chuck MT3 x 19 mm
OPR-0584-08-00-00-1	MT3-31	Tapping chuck MT3 x 31 mm
OPR-0584-02-00-00-1	MT3-48	Tapping chuck MT3 x 48 mm
OPR-0584-09-00-00-1	MT4-31	Tapping chuck MT4 x 31 mm
OPR-0584-04-00-00-1	MT4-48	Tapping chuck MT4 x 48 mm
OPR-0584-07-00-00-1	MT4-60	Tapping chuck MT4 x 60 mm



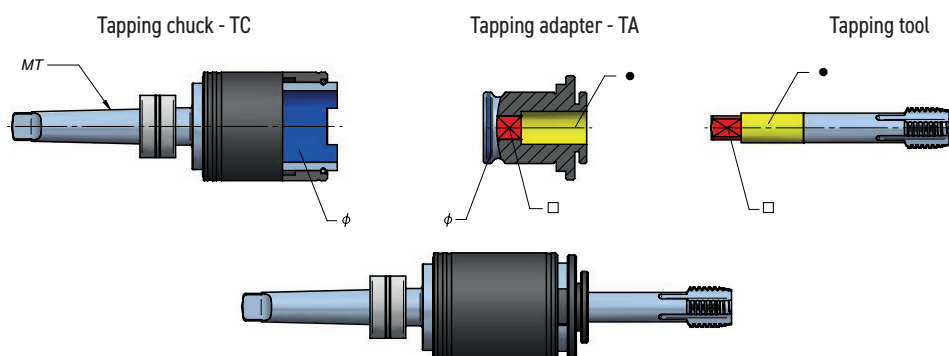


Tapping chuck
feat. securing nut

Shipping set of tapping chuck
incl. HD-CUT OIL1

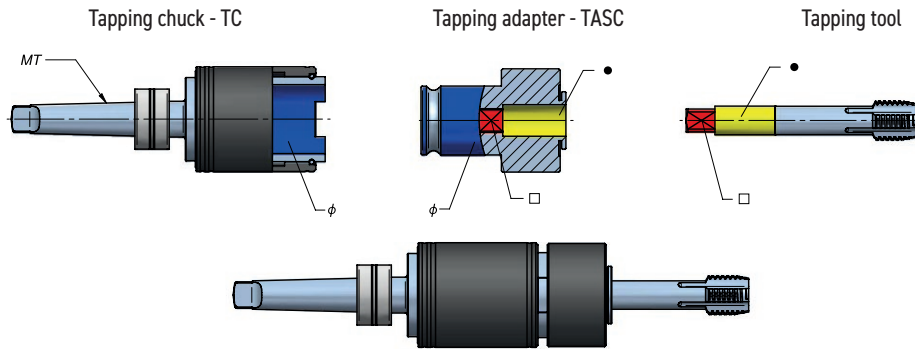


Through hole tapping



TA - Tapping adapters

Product Code	Type	Description	Ø [mm]	Tap size	● [mm]	□ [mm]
WKL-000066	TA-1	Tapping Adapter 19 mm x M3	19	M3	3,5	2,7
WKL-000067	TA-1	Tapping Adapter 19 mm x M4	19	M4	4,5	3,4
WKL-000068	TA-1	Tapping Adapter 19 mm x M5/M6	19	M5, M6	6	4,9
WKL-000069	TA-1	Tapping Adapter 19 mm x M8	19	M8	8	6,2
WKL-000070	TA-1	Tapping Adapter 19 mm x M10	19	M10	10	8
WKL-000071	TA-1	Tapping Adapter 19 mm x M12	19	M12	9	7
WKL-000072	TA-2	Tapping Adapter 31 mm x M8	31	M8	8	6,2
WKL-000073	TA-2	Tapping Adapter 31 mm x M10	31	M10	10	8
WKL-000074	TA-2	Tapping Adapter 31 mm x M12	31	M12	9	7
WKL-000075	TA-2	Tapping Adapter 31 mm x M14	31	M14	11	9
WKL-000076	TA-2	Tapping Adapter 31 mm x M16	31	M16	12	9
WKL-000077	TA-2	Tapping Adapter 31 mm x M18	31	M18	14	11
WKL-000078	TA-2	Tapping Adapter 31 mm x M20	31	M20	16	12
WKL-000079	TA-3	Tapping Adapter 48 mm x M14	48	M14	11	9
WKL-000080	TA-3	Tapping Adapter 48 mm x M16	48	M16	12	9
WKL-000081	TA-3	Tapping Adapter 48 mm x M18	48	M18	14	11
WKL-000082	TA-3	Tapping Adapter 48 mm x M20	48	M20	16	12
WKL-000083	TA-3	Tapping Adapter 48 mm x M22/M24	48	M22, M24	18	14,5
WKL-000084	TA-3	Tapping Adapter 48 mm x M27	48	M27	20	16
WKL-000085	TA-3	Tapping Adapter 48 mm x M30	48	M30	22	18
WKL-000086	TA-4	Tapping Adapter 60 mm x M24	60	M24	18	14,5
WKL-000087	TA-4	Tapping Adapter 60 mm x M27	60	M27	20	16
WKL-000088	TA-4	Tapping Adapter 60 mm x M30	60	M30	22	18
WKL-000089	TA-4	Tapping Adapter 60 mm x M33	60	M33	25	20
WKL-000090	TA-4	Tapping Adapter 60 mm x M36	60	M36	28	22
WKL-000091	TA-4	Tapping Adapter 60 mm x M42	60	M42	32	24

 Tapping blind holes


TASC – Tapping Adapters with Safety Clutch

Product Code	Type	Description	∅ [mm]	Tap size	● [mm]	□ [mm]
WKL-000092	TASC-1	Tapping Adapter with Safety Clutch 19 mm x M3	19	M3	3,5	2,7
WKL-000093	TASC-1	Tapping Adapter with Safety Clutch 19 mm x M4	19	M4	4,5	3,4
WKL-000094	TASC-1	Tapping Adapter with Safety Clutch 19 mm x M5/M6	19	M5, M6	6	4,9
WKL-000095	TASC-1	Tapping Adapter with Safety Clutch 19 mm x M8	19	M8	8	6,2
WKL-000098	TASC-1	Tapping Adapter with Safety Clutch 19 mm x M10	19	M10	10	8
WKL-000099	TASC-1	Tapping Adapter with Safety Clutch 19 mm x M12	19	M12	9	7
WKL-000100	TASC-2	Tapping Adapter with Safety Clutch 31 mm x M8	31	M8	8	6,2
WKL-000101	TASC-2	Tapping Adapter with Safety Clutch 31 mm x M10	31	M10	10	8
WKL-000102	TASC-2	Tapping Adapter with Safety Clutch 31 mm x M12	31	M12	9	7
WKL-000103	TASC-2	Tapping Adapter with Safety Clutch 31 mm x M14	31	M14	11	9
WKL-000104	TASC-2	Tapping Adapter with Safety Clutch 31 mm x M16	31	M16	12	9
WKL-000105	TASC-2	Tapping Adapter with Safety Clutch 31 mm x M18	31	M18	14	11
WKL-000106	TASC-2	Tapping Adapter with Safety Clutch 31 mm x M20	31	M20	16	12
WKL-000107	TASC-3	Tapping Adapter with Safety Clutch 48 mm x M14	48	M14	11	9
WKL-000108	TASC-3	Tapping Adapter with Safety Clutch 48 mm x M16	48	M16	12	9
WKL-000109	TASC-3	Tapping Adapter with Safety Clutch 48 mm x M18	48	M18	14	11
WKL-000110	TASC-3	Tapping Adapter with Safety Clutch 48 mm x M20	48	M20	16	12
WKL-000111	TASC-3	Tapping Adapter with Safety Clutch 48 mm x M22/M24	48	M22, M24	18	14,5
WKL-000112	TASC-3	Tapping Adapter with Safety Clutch 48 mm x M27	48	M27	20	16
WKL-000113	TASC-3	Tapping Adapter with Safety Clutch 48 mm x M30	48	M30	22	18
WKL-000114	TASC-4	Tapping Adapter with Safety Clutch 60 mm x M24	60	M24	18	14,5
WKL-000115	TASC-4	Tapping Adapter with Safety Clutch 60 mm x M27	60	M27	20	16
WKL-000116	TASC-4	Tapping Adapter with Safety Clutch 60 mm x M30	60	M30	22	18
WKL-000117	TASC-4	Tapping Adapter with Safety Clutch 60 mm x M33	60	M33	25	20
WKL-000118	TASC-4	Tapping Adapter with Safety Clutch 60 mm x M36	60	M36	28	22
WKL-000119	TASC-4	Tapping Adapter with Safety Clutch 60 mm x M42	60	M42	32	24

RA – Reduction Adapters

Product Code	Type	Description
RDC-000008	RA 2/1	Reduction Adapter 2/1 (31 mm / 19 mm)
RDC-000009	RA 3/1	Reduction Adapter 3/1 (48 mm / 19 mm)
RDC-000010	RA 3/2	Reduction Adapter 3/2 (48 mm / 31 mm)
RDC-000011	RA 4/2	Reduction Adapter 4/2 (60 mm / 31 mm)
RDC-000012	RA 4/3	Reduction Adapter 4/3 (60 mm / 48 mm)





PRO-40 AD ATEX

PNEUMATIC DRILLING MACHINE

The PRO-40 AD ATEX machine has been designed to produce 40 mm holes with annular cutters and 16 mm holes with twist drill bits that have a 19 mm (3/4") Weldon shank.

The combination of a pneumatic drive and a permanent magnetic base eliminates the need for an electric power supply. An extremely small ATEX-approved, pneumatic drill is perfectly suited to space-restricted and hazardous environments such as oil rigs, refineries, shipbuilding, and the petrochemical industry, where electric appliances are prohibited for safety reasons.

Features & benefits:

- ATEX-approved materials. Safe for use in Ex zones and environments with hazardous, flammable, or combustible vapors, liquids, dust, or residues.
- Strong permanent magnet. Secures the drill without the need for an electric supply.
- Permanent magnetic base with V-shaped prismatic foot. Enables drilling on pipes from 250 mm upwards.
- Innovative sliding ON/OFF pneumatic motor switch. Provides compressed air to the pneumatic motor.
- Mechanical safety lock. Prevents accidental motor activation.
- Magnet ON/OFF indicator. Enhances safety.
- Ultra-low design. Perfect for space-restricted areas, with a height of only 185 mm.
- Compact size and lightweight. Ideal for site work.

Standard shipping set:

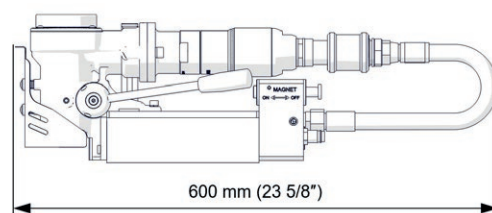
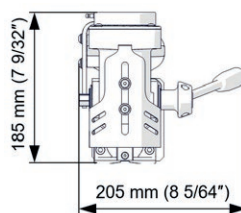
- Drilling machine
- Plastic box
- Safety strap
- Feed handle
- 4 mm hex wrench
- Air quick coupling
- Quick coupling for cooling system bottle
- Cooling system bottle 0.5 l
- Operator's manual



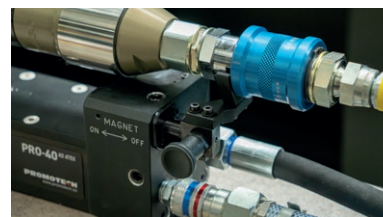
PRO 40 AD ATEX conforms to
II 2G Ex h IIC 135°C (T4) Gb
and II 2D Ex h IIIB T135°C Db
requirements for equipment
used in hazardous environments



Dimensions:



Compact design for space restricted areas



Protection against accidental motor start-up when the magnetic base is not activated



Clamping level indicator for safety and security



V-shaped prismatic mag base for pipe drilling



Feed handle can be fixed from either side



Max milling capacity 40 mm



Max drilling capacity 16 mm



Durable plastic case

PRO-40 AD ATEX TECHNICAL SPECIFICATIONS	
Motor speed (under load)	240 rpm
Motor power	800 W
Weight	15 kg (33 lbs)
Max milling capacity	40 mm (1 37/64")
Max drilling capacity	16 mm (5/8")
Stroke	40 mm (1 37/64")
Max depth of cut	25 mm (63/64")
Tool holder	19 mm (3/4") Weldon
Air consumption	1400 l/min (50 CFM)
Pressure	6 bar (87 psi)
Air connection	CEJN 410 DN 10.4 R 3/8" BSPT fitting for quick coupling
Minimum diameter of air hoses	13 mm (33/64")
Required ambient temperature	0 - 40 °C (32 - 104 °F)
Cooling system	Through spindle
Minimum workpiece thickness	10 mm (25/64")
Minimum pipe diameter*	250 mm (9 27/32")
Magnetic base holding force (surface with the thickness of 25 mm and roughness Ra = 1.25)	714 kgf (7000 N)
Magnetic base dimensions	75 mm x 188 mm x 56 mm (2 61/64" x 7 13/32" x 2 13/64")
Potentially explosive atmosphere	II 2G Ex h IIC 135°C (T4) Gb II 2D Ex h IIIB T135°C Db
Overall dimensions LxWxH	600 x 205 (with handle) x 185 [mm]
Product Code	WRT-0802-10-00-00-0

* always check the clamping of the magnetic base using the indicator



Core drill max 40 mm



Twist drill max 16 mm with 19mm Weldon Shank



Depth of cut 25 mm



Stroke 40 mm



Speed 240 rpm



Motor Power 800 W



Weight 15 kg

PRO-50/2 ATEX | PNEUMATIC DRILLING MACHINE



The PRO-50/2 ATEX machine has been designed to produce 50 mm holes with annular cutters and 23 mm holes with twist drill bits.

The combination of a pneumatic drive and a permanent magnetic base eliminates the need for an electric power supply.

This mid-sized ATEX-approved, pneumatic drill is ideal for use in confined and hazardous environments such as oil rigs, refineries, shipbuilding, and the petrochemical industry, where electric appliances are prohibited for safety reasons.



PRO 50/2 ATEX conforms to II 2G Ex h IIC 135°C (T4) Gb and II 2D Ex h IIB T135°C Db requirements for equipment used in hazardous environments

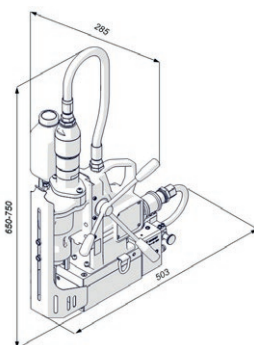
Features and benefits:

- ATEX-approved materials. Safe for use in Ex zones and environments with hazardous, flammable, or combustible vapors, liquids, dust, or residues.
- Strong permanent magnet. Secures the drill without the need for an electric supply.
- Permanent magnetic base with V-shaped prismatic foot. Enables drilling on pipes from 250 mm upwards.
- Innovative sliding ON/OFF pneumatic motor switch. Provides compressed air to the pneumatic motor.
- Mechanical safety lock. Prevents accidental motor activation.
- Magnet ON/OFF indicator. Enhances safety.
- Compact size and lightweight. Ideal for site work.
- 2-gearbox. Allows speed to be matched to the tool

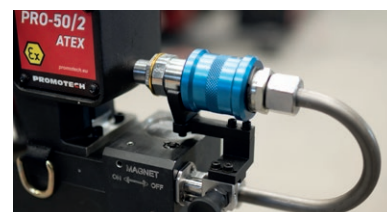
Standard shipping set:

- pneumatic drilling machine
- metal box
- feed handles
- MT2 arbor
- MT2 drift
- safety chain
- cooling system
- protective spring for cooling hose
- air quick coupling
- 2,5 mm hex wrench
- 4 mm hex wrench
- 5 mm hex wrench
- 8 mm combination wrench
- operator's manual

Dimensions:



2-gearbox to match the speed to the tool



Protection against accidental motor start-up when the magnetic base is not activated



Clamping level indicator for safety and security



Max depth of cut 50 mm



V-shaped prismatic mag base for pipe drilling.



Max milling capacity 50 mm

PRO-50/2 ATEX TECHNICAL SPECIFICATIONS	
Motor speed (under load)	190 rpm (gear I) 290 rpm (gear II)
Motor power	800 W
Weight	24,5 kg
Max milling capacity	50 mm (2")
Max drilling capacity	23 mm (13/16")
Stroke	150 mm
Max depth of cut	50 mm (2")
Tool holder	19 mm (3/4") Weldon
Air consumption	1400 l/min (50 CFM)
Pressure	6 bar (87 psi)
Air connection	CEJN 410 DN 10.4 R 3/8" BSPT fitting for quick coupling
Spindle	MT2
Minimum diameter of air hoses	13 mm (33/64")
Required ambient temperature	0 - 40 °C (32 - 104 °F)
Minimum workpiece thickness	10 mm (25/64")
Minimum pipe diameter*	250 mm (9 27/32")
Magnetic base holding force (surface with the thickness of 25 mm and roughness Ra = 1.25)	968 kgf (9500 N)
Magnetic base dimensions	90 mm x 192,5 mm x 66,5 mm
Potentially explosive atmosphere	II 2G Ex h IIC 135°C (T4) Gb II 2D Ex h IIB T135°C Db
Overall dimensions L x W x H	487 mm x 186 mm x 790 mm
Product Code	WRT-0818-10-00-00-0

* always check the clamping of the magnetic base using the indicator



Core drill
50 mm



Twist drill
23 mm



Depth of cut
50 mm



Stroke
150 mm



Speed
190 rpm
290 rpm



Motor Power
800 W



Weight
24,5 kg



PRO-200A ATEX | PNEUMATIC DRILLING MACHINE

Heavy-duty pneumatic drilling machine with milling/cutting capacity up to 200 mm diameter and tapping capacity up to M48 is extremely useful for very special applications on construction sites and industrial installations, where electric appliances are prohibited for safety reasons.

Two permanent magnetic bases, pneumatic motor and no. 5 Morse Taper spindle make this machine one of the most powerful portable magnetic drills on the market.

PRO-200A ATEX is perfectly suited to hazardous environments such as oil drilling platforms, petrochemical plants, oil refineries, shipbuilding and petrochemical industry



PRO-200A ATEX conforms to
II 2G Ex h IIC 135°C (T4) Gb
and II 2D Ex h IIIB T135°C Db
requirements for equipment
used in hazardous environments



Features and benefits:

- pneumatic motor and permanent magnetic bases eliminate the need of electric power supply
- intended for use in potentially explosive atmospheres
- heavy-duty pneumatic motor
- strong permanent magnets
- ATEX certified drill
- protection against accidental motor activation
- self-locking devices prevent any incidental deactivation of the permanent magnets
- cross slide system for precise hole center locations

A potentially explosive atmosphere exists when a mixture of air gases, vapours, mists, or dusts combine in a way that can ignite under certain operating conditions. The source of ignition could be either electrical or mechanical in origin.

Working in explosive atmospheres carries many challenges, including first of all the safety of the workers. Therefore, PRO-200A ATEX complies with ATEX (ATmospheres EXplosibles) directive and is intended for use in the oil, gas and energy industries.

PRO-200A ATEX capacity:

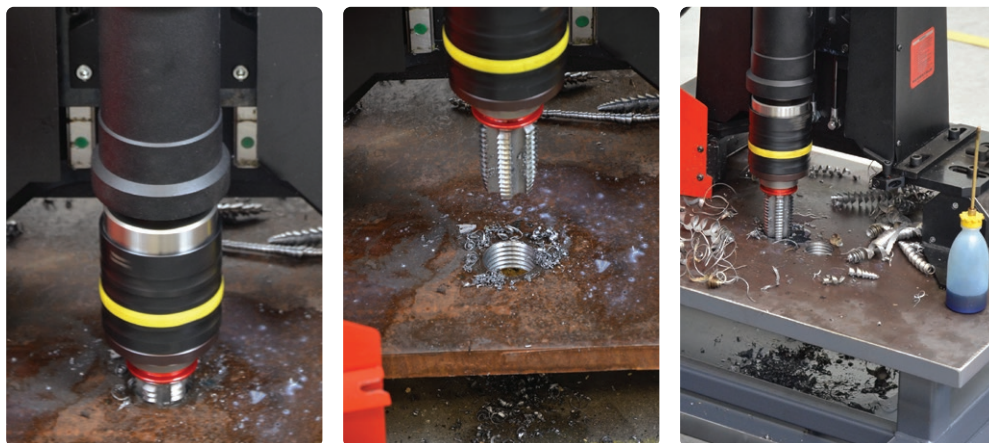
Milling up to 200 mm (7-7/8")



Drilling up to 45 mm (1-3/4")



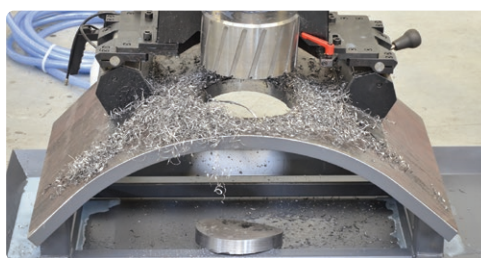
Tapping up to M48



Working on contour surfaces

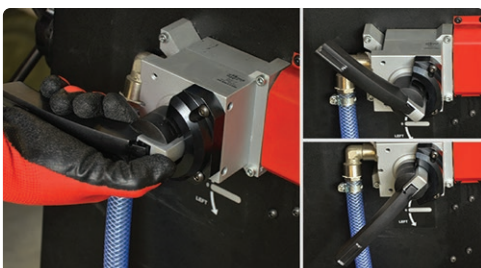


PRO-200A ATEX can be fixed to pipes of min. 950mm (37.4") diameters

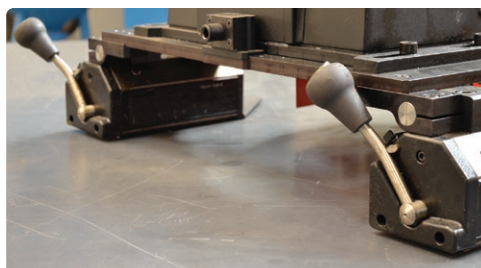


Base with permanent magnets can be adapted to a workpiece curvature

Safety features:

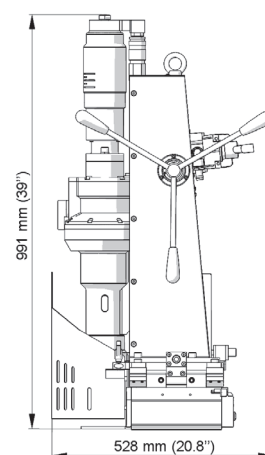
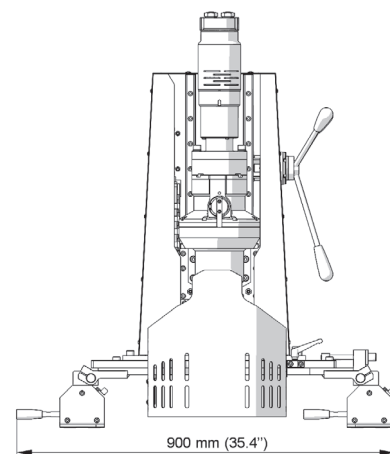


No accidental motor activation possible.
Operator must simultaneously press the button at the base of the lever and turn the valve lever until it stops, to enable motor start-up.



Permanent magnets need no power supply from the mains.
A self-locking device prevents any possible accidental movement of the handle and deactivation of the magnet.

ATTENTION: Cutter guard is not in place for demo purpose only



PRO-200A ATEX TECHNICAL SPECIFICATION

Motor Speeds (under load)	20 rpm (gear I) 80 rpm (gear II)
Motor Power	3650 W
Air consumption	3500 l/min (125 CFM)
Pressure	6.5 bar
Air connection	G1/2" external thread
Spindle	MT5
Tool holder	31.75 mm Weldon (1-1/4")
Max milling capacity	200 mm (7-7/8")
Max drilling capacity	45 mm (1-3/4")
Max Tap size	M48
Stroke	400 mm (15-3/4")
Max depth of cut	100 mm (4")
Magnetic clamping force	2 x 1530 kgf (2 x 15000 N)
Min. workpiece thickness	13 mm (1/2")
Required ambient temperature	0-40°C (32-104°F)
Weight	130 kg (290 lbs.)
Product Code	WRT-0490-10-00-01-1

Standard shipping set:

- pneumatic drilling machine
- MT5 arbor
- 3 feed levers
- cooling system 5l
- chip guard
- drift for MT5
- 4 mm hex wrench
- 5 mm hex wrench
- 6 mm hex wrench
- 8 mm hex wrench
- 10 mm hex wrench
- 13 mm flat wrench
- operator's Manual



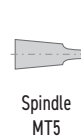
Core drill
max 200 mm



Twist drill
max 45 mm



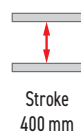
Thread
cutting M48



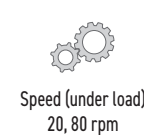
Spindle
MT5



Depth of cut
100 mm



Stroke
400 mm



Speed (under load)
20, 80 rpm



Motor Power
3650 W



Weight
130 kg



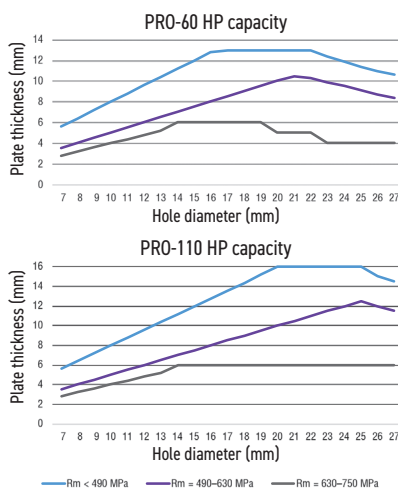
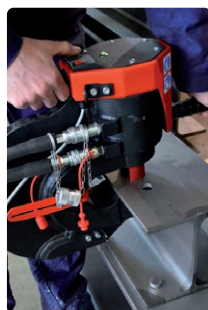
PRO-60 HP PRO-110 HP

PORTABLE HYDRAULIC PUNCHERS

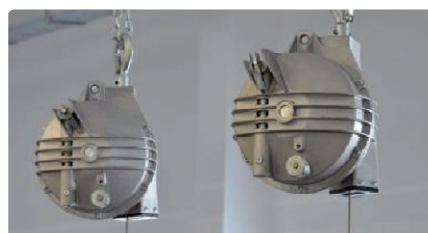
Primary features and benefits:

- Double action - fully automated process of punching and return
- Wide range of hole diameters up to 27mm
- Modern construction
- Intelligent control system with inching and automatic load detection
- Mode indicator light
- Protection against accidental start-up
- Easy to handle in out-of-normal positions
- All connecting ports located at the back
- Wide range of special-shaped punches and dies
- Patent pending compact moveable hydraulic power pack
- Unique Gantry Punching Station increases both productivity and operator's comfort

Portable Double-Action Hydraulic Puncher Technical Specification	model PRO-60 HP	model PRO-110 HP
Max. throat depth	60 mm	110 mm
Max. hole	Ø 27 mm	Ø 27 mm
Max. oblong hole	25 x 18 mm	25 x 18 mm
Punching time	5 sec	8 sec
Max. plate thickness	13 mm	16 mm
Punching power	35 ton	47 ton
Working pressure	700 bar	700 bar
Weight	20 kg	35 kg
Product code	GLW-0522-10-00-00-1	GLW-0507-10-00-00-0



Ergonomic location of ports at the back

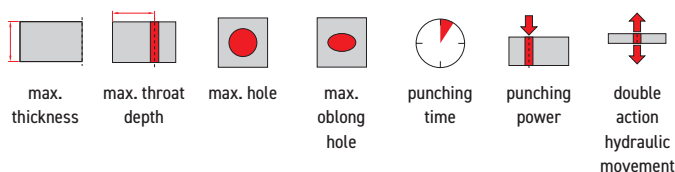


Balancer for PRO 60 HP
Product code: BLN-000004

Balancer for PRO 110 HP
Product code: BLN-000005

DOUBLE-ACTION HYDRAULIC POWER PACK MODEL HPP 700/1.5	
Power supply*	230V/50Hz; 115V/60Hz
Power	2000 W
Working pressure	700 bar
Pump output	1.5 L/min
Oil capacity	10 L
Product code	ZSL-0517-10-20-00-0 HPP-700/1,5 /220-240V/50Hz

* Contact Promotech for other voltage options



PRO-60 HP	13 mm	60 mm	27 mm	25 x 18 mm	5 sec	35 ton	YES
PRO-110 HP	16 mm	110 mm	27 mm	25 x 18 mm	8 sec	47 ton	YES

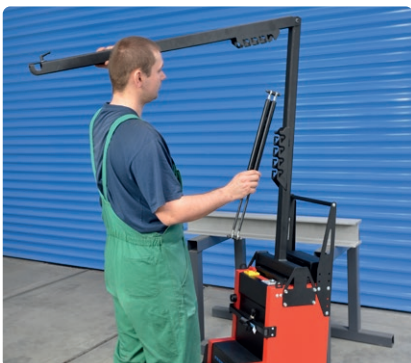


Portable hydraulic power pack with shelf for puncher transport.

Customize your work place with a variety of optional accessories.

Hoist set

Product code: ZUR-0517-15-00-00-0



Simple set-up and easy adjustment of height and balance control.



Hoist arm and 2 supports with wheels allow for easy manipulation of punch and power pack as single unit.



Unique solution which makes your work as efficient and comfortable as never before.

Bench top stand with foot pedal

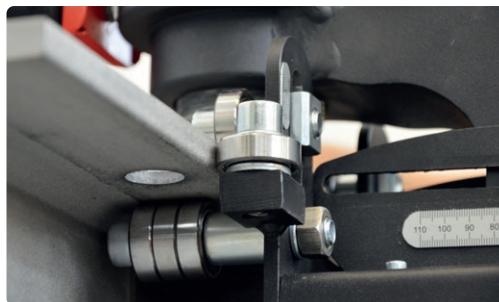
Product code: ZST-0507-91-00-00-0



Neither balancer nor hoist arm is required to keep puncher in place. An operator can use start and stop bottoms on the machine or foot pedals.

Wheel puncher slide

Product code: PRW-0507-90-00-00-0



Permits smooth and efficient lineal movement along the workpiece.



Punches & dies

Hydraulic Punchers tools		
Oblong [mm]	Punch - product code	Die - product code
16x8	STM-0507-30-13-00-0	MTY-0507-70-13-00-0
16x14	STM-0507-30-19-00-0	MTY-0507-70-19-00-0
18x9	STM-0507-30-12-00-0	MTY-0507-70-12-00-0
18x11	STM-0507-30-11-00-0	MTY-0507-70-11-00-0
18x14	STM-0507-30-20-00-0	MTY-0507-70-20-00-0
20x10	STM-0507-30-10-00-0	MTY-0507-70-10-00-0
20x12	STM-0507-30-09-00-0	MTY-0507-70-09-00-0
20x14	STM-0507-30-08-00-0	MTY-0507-70-08-00-0
20x16	STM-0507-30-21-00-0	MTY-0507-70-21-00-0
22x11	STM-0507-30-07-00-0	MTY-0507-70-07-00-0
22x14	STM-0507-30-06-00-0	MTY-0507-70-06-00-0
24x12	STM-0507-30-05-00-0	MTY-0507-70-05-00-0
25x9	STM-0507-30-04-00-0	MTY-0507-70-04-00-0
25x12	STM-0507-30-03-00-0	MTY-0507-70-03-00-0
25x13	STM-0507-30-02-00-0	MTY-0507-70-02-00-0
25x14	STM-0507-30-01-00-0	MTY-0507-70-01-00-0
25x16	STM-0507-30-17-00-0	MTY-0507-70-17-00-0
25x18	STM-0507-30-00-00-0	MTY-0507-70-00-00-0

Hydraulic Punchers tools			
Diameter [mm]	Punch - product code	Die - product code	Die 5° - product code
7	STM-0507-20-18-00-0	MTY-0507-40-18-00-0	-
8	STM-0507-20-17-00-0	MTY-0507-40-17-00-0	-
9	STM-0507-20-16-00-0	MTY-0507-40-16-00-0	MTY-0507-50-16-00-0
10	STM-0507-20-15-00-0	MTY-0507-40-15-00-0	MTY-0507-50-15-00-0
11	STM-0507-20-14-00-0	MTY-0507-40-14-00-0	MTY-0507-50-14-00-0
12	STM-0507-20-13-00-0	MTY-0507-40-13-00-0	MTY-0507-50-13-00-0
13	STM-0507-20-12-00-0	MTY-0507-40-12-00-0	MTY-0507-50-12-00-0
14	STM-0507-20-11-00-0	MTY-0507-40-11-00-0	MTY-0507-50-11-00-0
15	STM-0507-20-10-00-0	MTY-0507-40-10-00-0	MTY-0507-50-10-00-0
16	STM-0507-20-09-00-0	MTY-0507-40-09-00-0	MTY-0507-50-09-00-0
17	STM-0507-20-08-00-0	MTY-0507-40-08-00-0	MTY-0507-50-08-00-0
18	STM-0507-20-07-00-0	MTY-0507-40-07-00-0	MTY-0507-50-07-00-0
19	STM-0507-20-06-00-0	MTY-0507-40-06-00-0	MTY-0507-50-06-00-0
20	STM-0507-20-05-00-0	MTY-0507-40-05-00-0	MTY-0507-50-05-00-0
21	STM-0507-20-04-00-0	MTY-0507-40-04-00-0	MTY-0507-50-04-00-0
22	STM-0507-20-03-00-0	MTY-0507-40-03-00-0	MTY-0507-50-03-00-0
23	STM-0507-20-02-00-0	MTY-0507-40-02-00-0	MTY-0507-50-02-00-0
24	STM-0507-20-01-00-0	MTY-0507-40-01-00-0	MTY-0507-50-01-00-0
25	STM-0507-20-00-00-0	MTY-0507-40-00-00-0	MTY-0507-50-00-00-0
26	STM-0507-20-19-00-0	MTY-0507-40-19-00-0	MTY-0507-50-19-00-0
27	STM-0507-20-20-00-0	MTY-0507-40-20-00-0	MTY-0507-50-20-00-0

Various hydraulic punch tools are available on request in imperial or metric sizes.



Foot pedal machine control in hands free operation on bench top configuration.



HD-CUT | ECO-FRIENDLY COOLING/LUBRICATING PRODUCTS

HD-CUT Spray - tapping, drilling and machining multi-position spray

Features and benefits:

- multi-position spray for drilling, tapping and beveling
- recommended especially for out of position works
- for hard-to-machine metals such as acid resistant or stainless steel
- provides strong and efficient protection of tools, pieces and machineries against corrosion
- water based fluid made of vegetal polymer having outstanding lubricating properties
- ready-to-use (not need to be diluted)
- free from any petroleum-based solvent
- less fumes and smell in comparison to usual products
- nonflammable
- bio-degradable lubricant
- white foaming gel
- no odour
- aerosol 650 ml / net volume 400 ml
- product code: PRE-0440-41-00-00-0



HD-CUT OIL 1 - tapping, drilling and machining fluid

Features and benefits:

- extreme pressure full oil for cutting, boring, beveling, high thickness stamping, punching, works on stainless steels all nature, threading, machining, precision and high thickness boring, drawing and profiling of all high thicknesses kinds of steels
- complex oily composition for all operations on hard-to-machine metals such as acid resistant or stainless steel, where seizing and wear quickly happen
- builds high superficial tension film to extend the life of tools and reduce their replacement interval
- significantly facilitates machining and increases its precision
- excellent product for manual working
- deposition on the tools with a brush or with an oil-can
- easy to remove using standard methods
- thick dark oil
- weight 0.5 kg or 1.0 kg or 5.0 kg
- product codes:
OLJ-0505-09-00-00-0 (0.5 kg)
OLJ-0505-10-00-00-0 (1.0 kg)
OLJ-0505-11-00-00-0 (5.0 kg)



HD-CLEAN SPRAY

Features and benefits:

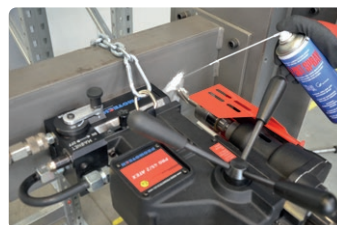
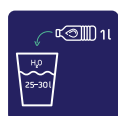
- perfect industrial cleaner for metal machining
- provides elimination of greases, oils, sludge and other chemical or petroleum based fluids
- perfectly suitable for all degreasing operations on all kinds of mechanical parts
- non-flammable
- biodegradable
- aerosol 650 ml / net volume 400 ml
- product code: ZMY-0440-40-00-00-0



HD-CUT BIO - concentrated micro emulsion for various machining applications

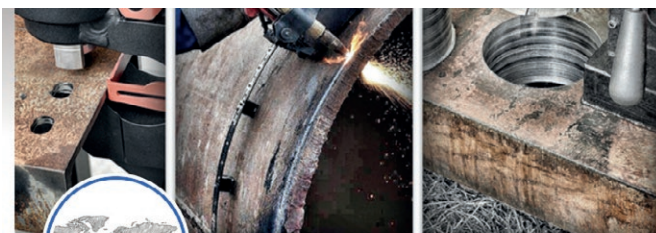
Features and benefits:

- concentrated ecofriendly micro emulsion for various machining and shavings removal operations
- suitable for coolant systems for e.g. drills, bandsaws or CNC machines
- provides effective protection against corrosion for parts, tools, and machines
- to be diluted with water
- recommended mix ratio of 25-30 parts water to 1 part concentrate
- reduce consumption dramatically compared to usual emulsions
- formulated with high molecular weight based-polyester and high viscosity index allowing a high thermal stability and outstanding lubricant qualities
- high flash point reducing fumes
- bio-degradable
- amber-colored liquid (milky aspect at 5% dilution)
- light smell
- net volume 1000 ml
- product code: CHL-0440-42-00-00-0



Stay connected

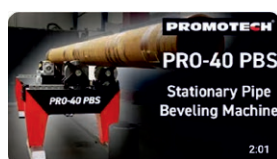
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- and more

Don't miss a thing



PRO-40 PBS | Stationary Pipe Beveling Machine



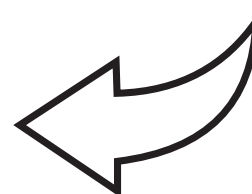
SCORPIO BATTERY: Advanced Battery-Powered Welding Tractor



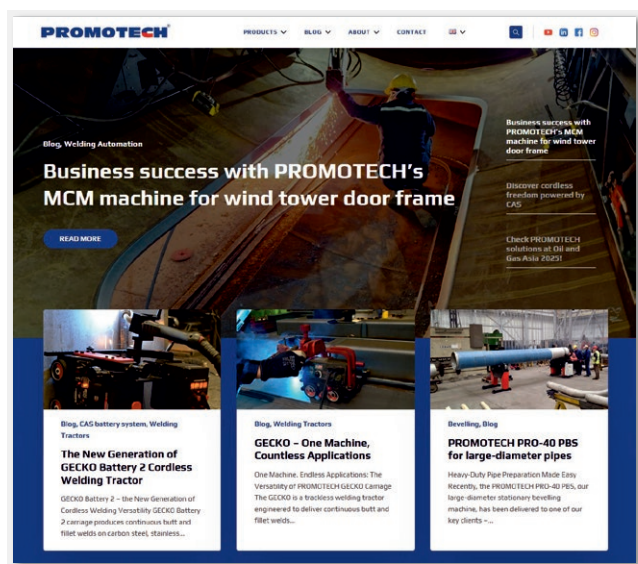
ABM-50 DD Vario | Auto-Feed Heavy Duty Beveler

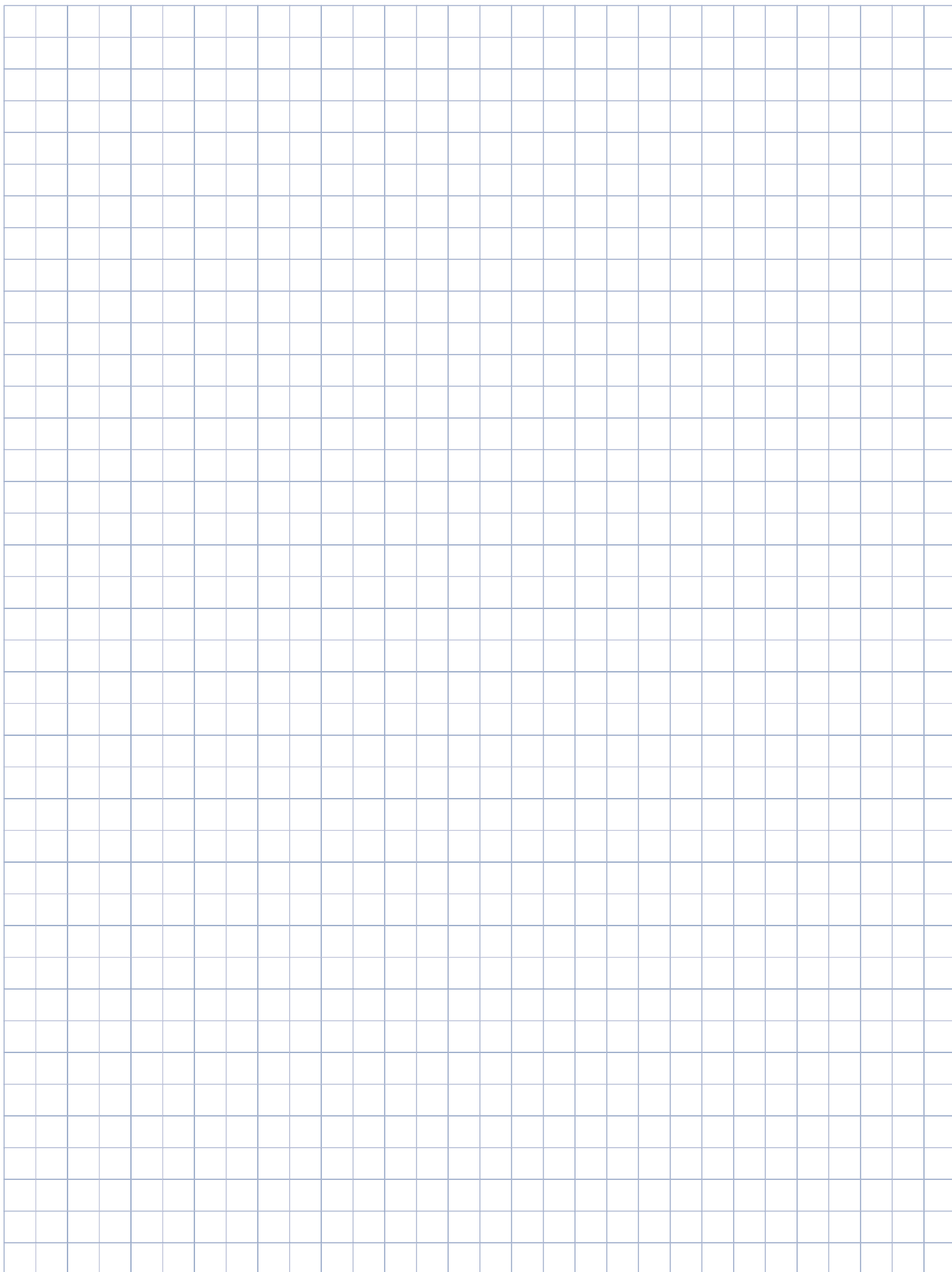


PROMOTECH MCM | 5-Axis CNC Machine- Revolutionize Wind Tower Door Frame...



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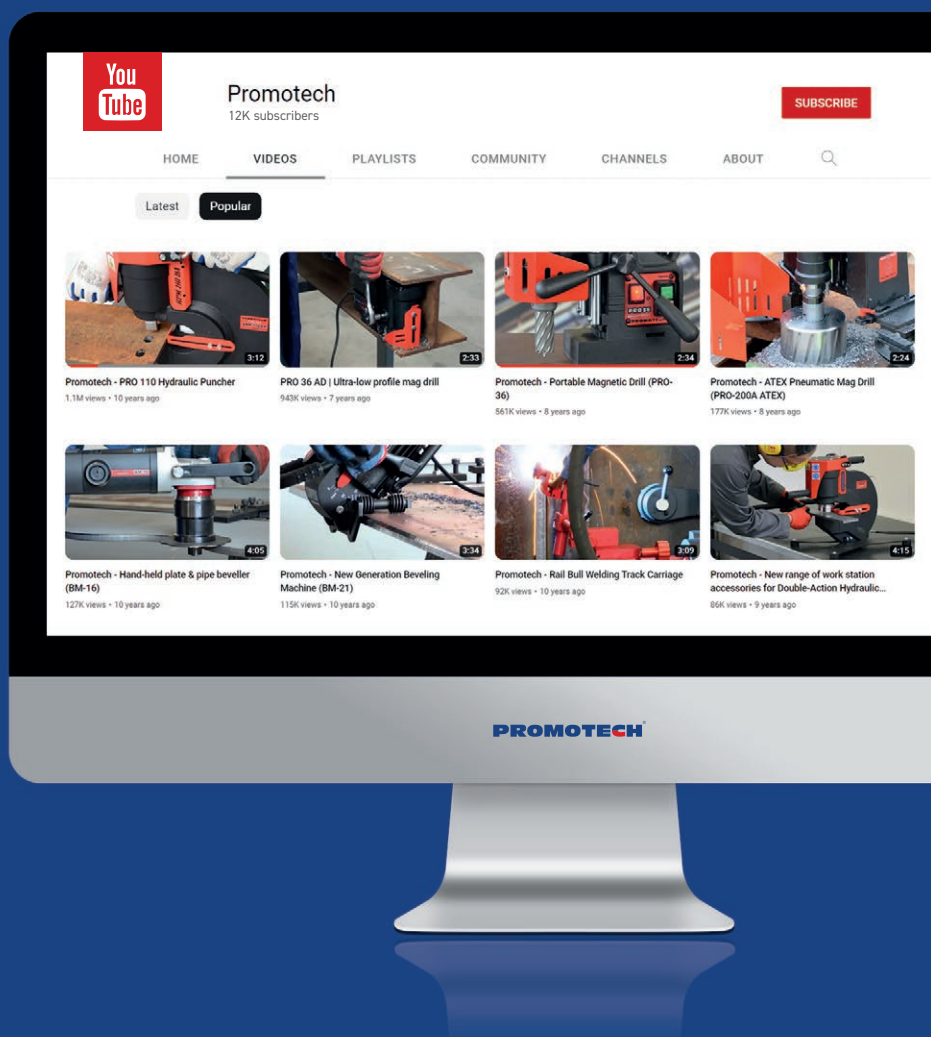
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