

PROMOTECH[®]

MILLING



DRILLING



TAPPING



PUNCHING



*smart tools
for heavy tasks*

**HOLEMAKING
MACHINES**

PROMOTECH – PROFESSIONAL MANUFACTURER OF PREMIUM MACHINES FOR METALWORKING INDUSTRY

Promotech is an innovation driven ISO 9001:2000 manufacturer of professional power tools, welding automation equipment and industrial systems tailored 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 tractors
- welding and cutting automation equipment

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

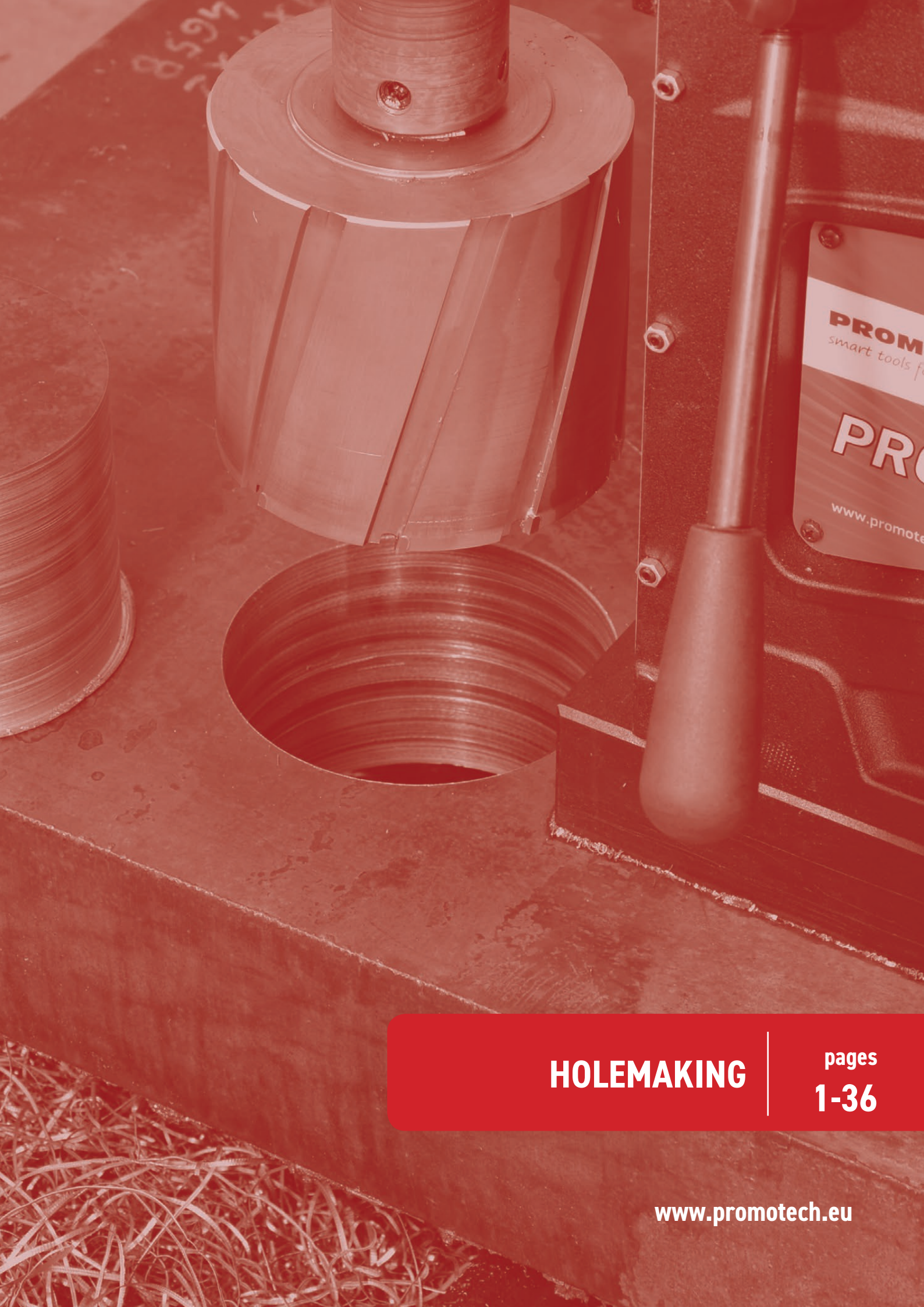


Mitglied im DVS – Deutscher Verband für
Schweißen und verwandte Verfahren e. V.



American Welding Society
Supporting Company Member





HOLEMAKING

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DRILLING MACHINES AND PUNCHERS

PNEUMATIC DRILLS



PRO-35 ADA ATEX



PRO-45/2 ATEX



PRO-200 ATEX



PRO-36 AD



PRO-36



PRO-36 MS



PRO-36 PM



PRO-36 T3



PRO-36 AUTO

feat. Tapping



PRO-52T



PRO-76T



PRO-112T



PRO-132T



PRO-40



PRO-51



PRO-62



PRO-76



PRO-111

RAIL DRILLS



PRO-36R



PRO-36RH

PUNCHERS



PRO-110 HP
PRO-60 HP



PRO-36 | COMPACT DRILLING MACHINE



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

Superior features of PRO-36 include:

- 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

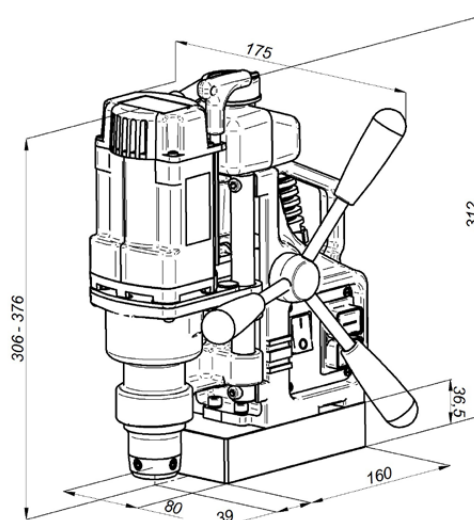
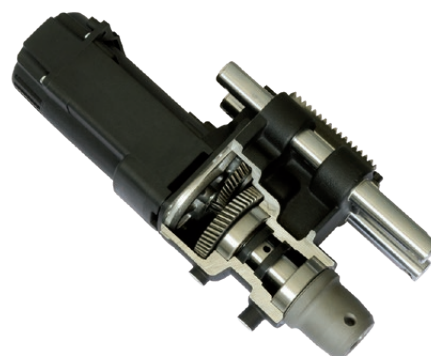
PRO-36 is equipped with the latest generation of electromagnetic base with magnetic field shape control system (MFSC) and magnetic power adhesion control module (MPAC), which detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin workpiece. PRO-36 is also equipped with motor overload protection 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)

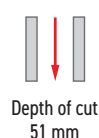
Selected additional accessories:

- PDS-0110-03-00-01-0 DMP0251 Pipe Attachment
- 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
Motor Power	920 W
Weight	10 kg (22 lbs)
Max milling capacity	36 mm (1-7/16")
Max countersinking	Ø 40 mm (1-9/16")
Stroke	70 mm (2-3/4")
Max depth of cut	51 mm (2")
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1000 W
Overload protection	yes
MPAC	yes
MFSC	yes
Magnetic clamping force	917 kG (9000 N) / 25 mm, Ra=1.25/
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 (220-240 V)	WRT-0440-10-20-00-0
Product Code (110-120 V)	WRT-0440-10-10-00-0



PRO-36 | DRILLS FOR SPECIAL APPLICATIONS



PRO-36 MS

The machine with swivel magnetic base is dedicated to operate with convex (min diameter – 300mm) and concave (min diameter 1000mm) materials. Four individual swivel magnets adjust to the surface of detail so the machine does not require perfectly flat material to operate. Additionally every magnet is equipped with variable holding force feature. This allows easy machine positioning while magnets are partially engaged. The magnetic base does not require electricity thus assures more safety in power loss situation.

PRO-36 PM

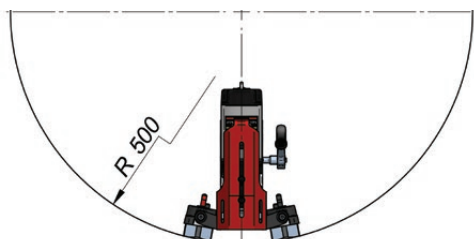
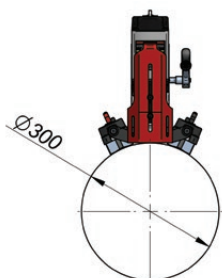
The machine with magnetic base is dedicated to operate with the risk of power loss applications (e.g. drilling in the wall). The magnetic base is equipped with very strong neodymium magnets and does not require electricity to operate. Switchable holding force feature enables easy and precise positioning 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 3mm. 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 MS	PRO-36 PM	PRO-36 T3
Motor speed (under load)	350 rpm	350 rpm	350 rpm
Motor power	920 W	920 W	920 W
Weight	14 kg (31 lbs)	13 kg (29 lbs)	11 kg (24 lbs)
Max milling capacity	36 mm (1 7/16")	36 mm (1 7/16")	36 mm (1 7/16")
Max countersinking	40 mm (1 9/16")	40 mm (1 9/16")	40 mm (1 9/16")
Stroke	70 mm (2 3/4")	70 mm (2 3/4")	70 mm (2 3/4")
Max depth of cut	35 mm (1 3/8")	45 mm (1 3/4")	51 mm (2")
Voltage	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	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1000 W	1000 W	1000 W
Overload protection	Yes	Yes	Yes
Magnetic base holding force	612 kG (6 000 N)	612 kG (6 000 N)	918 kG (9 000 N)
Magnetic base dimensions	243mm × 218 mm × 96 mm 9.57" × 8.58" × 3.78"	98 mm × 237 mm × 100 mm 3.86" × 9.33" × 3.87"	100 mm × 200 mm × 38 mm 3.94" × 7.87" × 1.5"
Minimum workpiece thickness	5 mm (0.24")	5 mm (0.24")	3 mm (0.12") for rigid steel profiles 3 - 6 mm (0.12" - 0.24") to be careful
Tool holder	19 mm (3/4") Weldon	19 mm (3/4") Weldon	19 mm (3/4") Weldon
Product Code (110-120V)	WRT-0440-10-10-05-4	WRT-0440-10-10-06-4	WRT-0440-10-10-04-4
Product Code (220-240V)	WRT-0440-10-20-05-4	WRT-0440-10-20-06-4	WRT-0440-10-20-04-4



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.

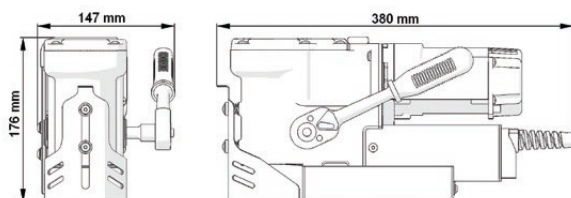


Features&benefits:

- Ultra-low profile mag drill of 176 mm height only
- Extremely low weight of just 9.5 kg (21 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
- 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:

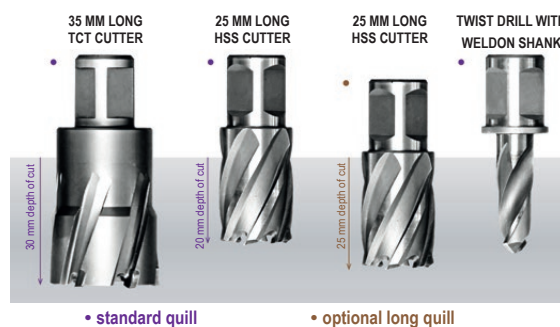


- ZSP-0521-04-00-00-0
Long quill assembly



- PJM-000003
Coolant bottle with nozzle

Hole making with various tools:



• standard quill

• optional long quill

PRO-36 AD TECHNICAL SPECIFICATION	
Motor Speed (under load)	370 rpm (for 230 V); 350 rpm (for 115 V)
Motor Power	920 W
Weight	9.5 kg (21 lbs)
Max milling capacity	36 mm (1-7/16")
Max drilling capacity	12 mm (1/2")
Max countersinking	Ø 40 mm (1-9/16")
Stroke	39 mm (1-1/2")
Max depth of cut	30 mm (1-3/16") with TCT cutters 20 mm (13/16") with HSS cutters *
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1000 W
MFSC	yes
Magnetic clamping force	908 kG (8900 N) /25mm, Ra=1,25/
Magnet Base Dimensions	90 x 180 x 38.5 mm; 3-9/16 x 7-1/16 x 1-1/2 ("
Min. Workpiece Thickness	6 mm (1/4")
Tool holder	19 mm (3/4") Weldon
Product Code (220-240 V)	WRT-0521-10-20-01-0
Product Code (110-120 V)	WRT-0521-10-10-01-0

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

Core drill
max 36 mm

Twist drill
max 12 mm
with Weldon Shank
19 mm

Depth of cut
up to 30 mm

Stroke
39 mm

Speed
370 rpm

Motor Power
920 W

Weight
9.5 kg



PRO-36 AUTO | AUTO-FEED DRILLING MACHINE

PRO-36 AUTO - equipped with many advanced systems is an ideal cost saving solution for drilling a large number of holes with diameters up to 36 mm and maximum depth up to 51 mm.

Superior features of PRO-36 AUTO include:

- Compact, rigid design with ultra-light weight of 13.5 kg
- Perfect combination of spindle speeds and torque reduces cycle times for both TCT and HSS cutters
- Smart control systems for excellent performance and operator's safety
- Dual bars guide system ensures extraordinary stiffness and maintenance free operation
- Top quality magnetic base reduces the minimum work piece thickness to 6mm
- Integrated cutter guard
- Useful large coolant tank

EXCELLENT PERFORMANCE & PRODUCTIVITY

- Max milling capacity 36 mm and depth of cut 51 mm
- Auto-feed mechanism is activated by pushing the handles in
- Feed control system reduces idle run time and enables smooth start of cutting
- Dynamic control systems adjust the feed speed proportionally to the cutting load which results in shortest possible cutting times for both TCT and HSS cutters
- Auto-feed control stops the machine when the cutter goes through

SAFETY

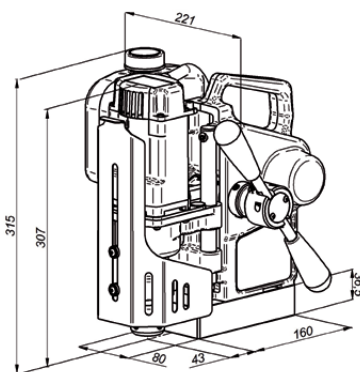
- Overload control stops both cutting and feeding motors immediately
- Magnetic Power Adhesion Control (MPAC) prevents from motor start when the electromagnetic holding force is not sufficient and protects both the machine and the operator from work on improper work piece
- Protection against auto restart after power cut off

USER-FRIENDLY

- Ultra light weight
- Maintenance free dual bars guide system
- Works with standard Weldon shank cutters
- Large coolant tank

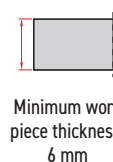
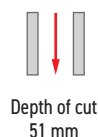


PRO-36 AUTO TECHNICAL SPECIFICATION	
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Total power	1000 W
Motor power	920 W
Cutter holder	19 mm Weldon (3/4")
Max milling capacity	Ø 36 mm (1-7/16")
Max depth of cut	51 mm (2")
Electromagnetic base holding force (surface with the thickness of 25 mm and roughness Ra = 1.25)	917 kG (9000 N)
Electromagnetic base dimensions	80 mm × 160 mm × 36.5 mm 3-1/10" × 6-1/3" × 1-2/5"
Slide stroke	70 mm (2-4/5")
Spindle speed under load	350 rpm
Spindle speed without load	580 rpm
Minimum work piece thickness	6 mm (1/4")
Weight	13.5 kg (30 lbs)
Product Code (220-240 V)	WRT-0502-10-20-00-0
Product Code (110-120 V)	WRT-0502-10-10-00-0



Standard shipping set:

- PRO-36 AUTO
- Metal box
- Handles
- Cooling system bottle
- Chip guard
- Safety strap
- 4 mm hex wrench
- Operator's Manual





PRO-40 | PRACTICAL DRILLING MACHINE

PRO-40 is lightweight, one speed and reliable machine which has been proven on many industrialized markets all over the world.

Superior features of PRO-40 include:

- compact design
- purpose designed motor with heavy duty gear box
- excellent ratio weight / power

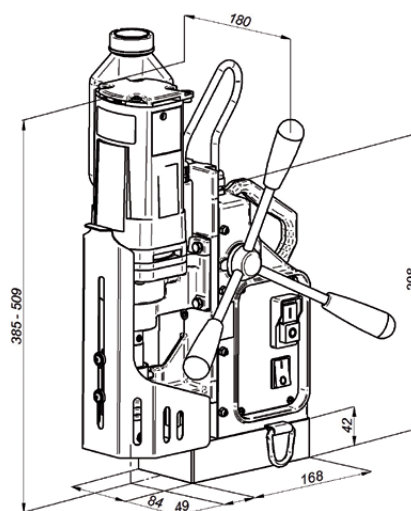
PRO-40 is equipped with the latest generation of electromagnetic energy saving base (ESB) with magnetic field shape control system (MFSC) and magnetic power adhesion control module (MPAC), which measures adhesive force of electromagnetic base and prevents both the machine and the operator from work on workpieces which do not provide enough grip for the magnetic base.

Standard shipping set:

- Magnetic Base Drilling Machine
- Metal Box
- 19 mm (3/4") Weldon Arbor – for cooling through ring
- Swarf Shield/Cutter Guard
- Coolant Bottle Assembly
- Safety Chain
- Set of Tools
- Instruction Manual (English)
- Standard shipping weight – 18 kg (38 lbs 13 oz)

Selected additional accessories:

- UCW-0260-13-00-00 Quick Change 19 mm (3/4") Weldon Arbor for cooling through ring
- PDS-0110-10-00-01-0 DMP0250 Pipe Attachment
- PDS-0111-03-00-01-0 DMP0501 Pipe Attachment
- UKL-0399-11-00-00-0 Coolant Bottle Assembly
- UKL-0440-16-00-00-0 Coolant System 2l
- LNC-0129-80-01-00-0 Safety Chain
- TLJ-0197-10-00-03-0 Drill Chuck Adapter x 1/2" – 20 UNF
- UCW-000059 Drilling Chuck 1,5-13 x 1/2" – 20 UNF
- UCW-000061 Drilling Chuck 3-16 x 1/2" – 20 UNF
- PDS-0587-00-00-00-0 Vacuum pad
- ZSP-0587-11-00-00-0 Compressed air ejector



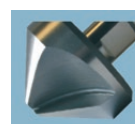
PRO-40 TECHNICAL SPECIFICATION	
Motor Speed (under load)	440 rpm
Motor Power	1020 W
Weight	12,7 kg (28 lbs)
Max milling capacity	Ø 40 mm (1-9/16")
Max drilling capacity	Ø 16 mm (5/8")
Max countersinking	Ø 40 mm (1-9/16")
Stroke	124 mm (4-7/16")
Max depth of cut	51 mm (2")
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1100 W
MPAC	yes
MFSC	yes
ESB	yes
Magnetic clamping force	999 kG (9800 N) /25mm, Ra=1,25/
Magnet Base Dimensions	84 x 168 x 41,5 [mm] 3-5/16 x 6-5/8 x 1-5/8 ["]
Min. Workpiece Thickness	6 mm (1/4")
Tool holder	19 mm (3/4") Weldon
Product Code (220-240 V)	WRT-0291-10-20-00-3
Product Code (110-120 V)	WRT-0291-10-10-00-3



Max
Ø 40 mm
(1-9/16")



Max
Ø 16 mm
(10/16")



Max
Ø 40 mm
(1-9/16")



Core drill
max 40 mm



Twist drill
max 16 mm



Depth of cut
51 mm



Stroke
124 mm



Speed
440 rpm



Motor Power
1020 W



Weight
12,7 kg



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-36, PRO-40, PRO-51, PRO-52T
- includes 2-meter pump connection hose
- 2 possible configurations:
 - vacuum supply (standard)
 - compressed air supply (optional)
- Product code PDS-0587-10-00-00-0

VACUUM SUPPLY (standard configuration)



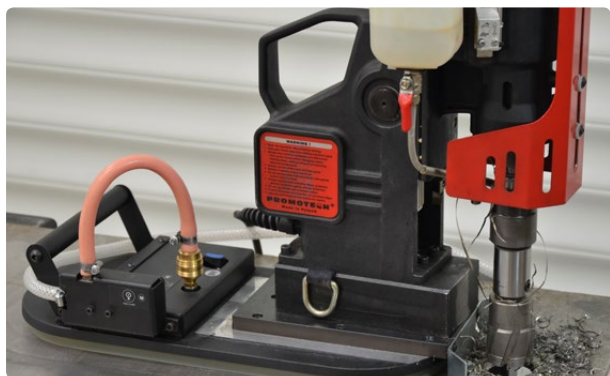
- Portable vacuum pump with safety reservoir - ideal solution for working together with vacuum pad
 - AGR-0541-10-20-00-0 for 230 V
 - AGR-0541-10-10-00-0 for 115 V with UK plug

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	4800 N
	1500 m above sea level	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	



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-51 | UNIVERSAL DRILLING MACHINE

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

Superior features of PRO-51 include:

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

Unique semi-automatic gib adjustment system (patent pending) enables simple, fast and always correct fine tuning without any expert knowledge or experience. Replaceable spline at the end of armature shaft eliminates laborious and expensive armature maintenance. Compact design allows the operator to drill very close to side wall and corners.

PRO-51 is equipped with the latest generation of electromagnetic energy saving base (ESB) with magnetic field shape control system (MFSC) and magnetic power adhesion control module (MPAC), which detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin workpieces.

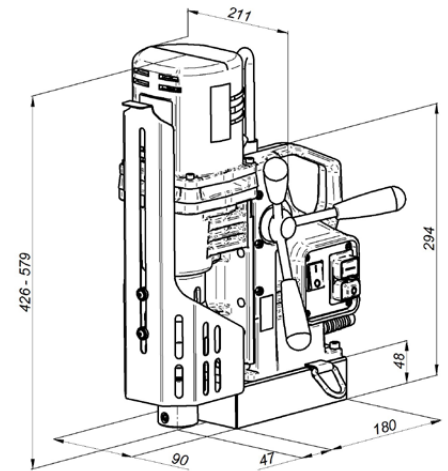


Standard shipping set:

- Magnetic Base Drilling Machine
- Metal Box
- MT2 Arbor with 19mm Weldon Bore – with cooling ring
- Swarf Shield/Cutter Guide
- Coolant Bottle Assembly
- Safety Chain with Snap Hook
- Set of Tools with Wedge
- Operator's Manual (English)
- Standard shipping weight – 26,1 kg (56 lbs 5 oz)

Selected additional accessories:

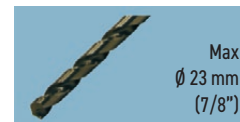
- UCW-0285-03-00-00 Quick Change AMTE2-C19/2-2
- PDS-0110-03-00-01-0 Continuous Cooling Arbor with Ring
- PDS-0111-10-00-01-0 DMP0251 Pipe Attachment
- KNC-0399-09-00-00-0 DMP0500 Pipe Attachment
- PDS-0587-00-00-00-0 Cooling attachment for twist drilling
- ZSP-0587-11-00-00-0 Vacuum pad
- Compressed air ejector



PRO-51 TECHNICAL SPECIFICATION	
Motor Speed (under load)	200, 400 rpm
Motor Power	1.260 W
Weight	16,5 kg (36,4 lbs)
Max milling capacity	Ø 51 mm (2")
Max drilling capacity	Ø 23 mm (7/8")
Max countersinking	Ø 51 mm (2")
Stroke	153 mm (6")
Max depth of cut	51 mm (2")
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1.300 W
Semi-automatic gib adjustment	yes
MPAC	yes
MFSC	yes
ESB	yes
Magnetic clamping force	1224 kG (12000 N) /25mm, Ra=1,25/
Magnet Base Dimensions	90 x 180 x 48 mm 3-9/16 x 7-1/16 x 1-7/8 (")
Min. Workpiece Thickness	8 mm (5/16")
Spindle	MT2
Tool holder	19 mm (3/4") Weldon
Product Code (220-240 V)	WRT-0399-10-20-00-0
Product Code (110-120 V)	WRT-0399-10-10-00-0



Max
Ø 51 mm
(2")



Max
Ø 23 mm
(7/8")



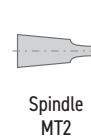
Max
Ø 51 mm
(2")



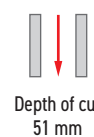
Core drill
max 51 mm



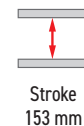
Twist drill
max 23 mm



Spindle
MT2



Depth of cut
51 mm



Stroke
153 mm



Speed
200, 400 rpm



Motor Power
1260 W



Weight
16,5 kg

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:

- 1600 W 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
- 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

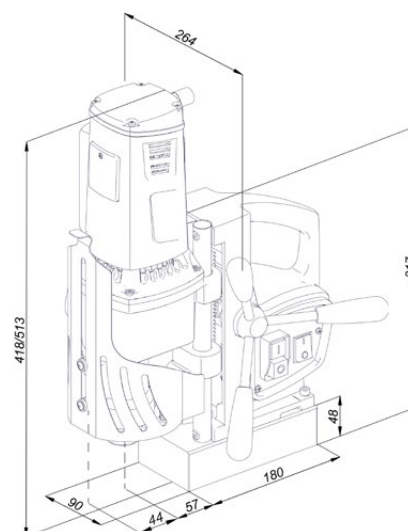


Milling capacity up to 65 mm (2-9/16")

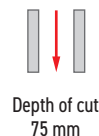


Max depth of cut up to 75 mm (3")

Dimensions:



PRO-62 TECHNICAL SPECIFICATION	
Motor Speeds (under load)	160 rpm (gear I) 390 rpm (gear II)
Motor Power	1600 W
Weight	17 kg (37 lbs)
Max milling capacity	Ø 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
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1122 kG (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
Product Code 110-120 V, 50-60 Hz	WRT-0630-10-10-00-0



Speed
160 rpm
390 rpm



Motor Power
1600 W



Weight
17 kg



PRO-76 | INDUSTRIAL DRILLING MACHINE

PRO-76 is the newest multifunction drill with Morse Taper No. 3

Superior features of PRO76 include:

- purpose designed motor with heavy duty gear box
- electronic speed control
- electronic speed stabilization system
- maintenance friendly design
- gear box and slide system made as one piece
- maintenance friendly rail guide system

It is equipped with motor overload protection system, electronic speed control, Electronic Speed Stabilization System (ESSS) – responsible for stabilizing motor's speed under varying loads on the spindle. PRO-76 precision and durability are significantly increased thanks to integrated gearbox housing with slide. Unique semi-automatic gib adjustment system (patent pending) enables simple, fast and always correct fine tuning without any expert knowledge or experience. Replaceable spline at the end of armature shaft eliminates laborious and expensive armature maintenance. Compact design allows for drilling very close to vertical surface.

PRO-76 is also equipped with electromagnetic base featuring magnetic field shape control system (MFSC) and magnetic power adhesion control module (MPAC), which detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin workpieces.

Standard shipping set of PRO-76 includes MT3 Arbor with 19mm (3/4") Weldon Bore that accepts cutters up to 60mm diameter. Optional MT3 Arbor with 32mm (1-1/4") Weldon Bore for cutters of larger diameters is available.

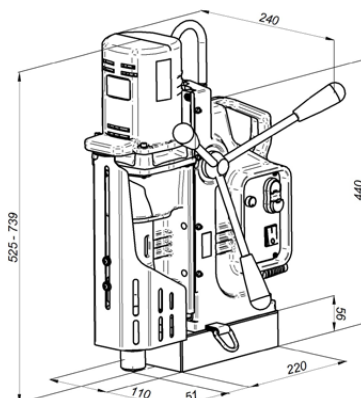


Standard shipping set:

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

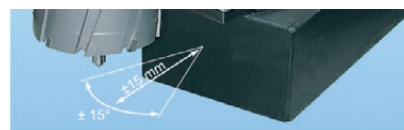
Selected additional accessories:

- UCW-0191-00-00-00 Through Spindle Continuous Cooling Arbor MT3-32 Weldon Bore
- UCW-0285-03-00-02-0 Quick Change Continuous Cooling Arbor MT3- 19 Weldon
- PDS-0111-03-00-01-0 DMP0501 Pipe Attachment



PRO-76 TECHNICAL SPECIFICATION

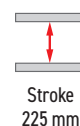
Motor Speed (under load)	80÷160; 210÷420 rpm
Motor Power	1650 W
Weight	27 kg (58 lbs 4 oz)
Max milling capacity	Ø 76 mm (3")
Max drilling capacity	Ø 32 mm (1-1/4")
Max countersinking	Ø 63 mm (2-1/2")
Max tap size	M24 (tapping attachment required)
Stroke	225 mm (8-7/8")
Max depth of cut	76 mm (3")
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1800 W
Overload protection	yes
ESSS	yes
Continuous speed adjustment	yes
Semi-automatic gib adjustment	yes
MPAC	yes
MFSC	yes
Magnetic clamping force	1988 kG (19500 N) / 25 mm, Ra=1,25/
Magnet Base Dimensions	110 x 220 x 56 mm; (4-5/16 x 8-11/16 x 2-3/16")
Min. Workpiece Thickness	10 mm (3/8")
Swivel base (PRO 76+)	±15°; ±15 mm (± 9/16")
Spindle	MT3
Tool holder	19 mm (3/4") or 32 mm (1-1/4") Weldon
Product Code (220-240 V)	WRT-0400-10-20-00-0
Product Code (110-120 V)	WRT-0400-10-10-00-0
Product Code (220-240 V) PRO 76+	WRT-0400-10-20-01-0
Product Code (110-120 V) PRO 76+	WRT-0400-10-10-01-0



Swivel base in version PRO 76+



Core drill
max 76 mm



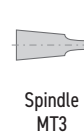
Stroke
225 mm



Twist drill
max 32 mm



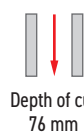
Speed 80-160,
210-420 rpm



Spindle
MT3



Motor Power
1650 W



Depth of cut
76 mm



Weight
27 kg

PRO-111 | HEAVY-DUTY DRILLING MACHINE



PRO-111 is the newest heavy duty machine with Morse Taper No. 4.

Superior features of PRO-111 include:

- purpose designed motor with heavy duty 4-speed gearbox
- maintenance friendly design
- gear box and slide system made as one piece
- maintenance friendly rail guide system

It is designed for cutting holes up to 111 mm (4-3/8") diameter or drilling holes up to 47mm (1-7/8") diameter.

It has got 4-speed mechanical gear box.

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

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

PRO-111 is equipped with electromagnetic base featuring magnetic field shape control system (MFSC) and magnetic power adhesion control module (MPAC), which detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin workpieces.

Standard shipping set of PRO-111 includes MT4 Arbor with 19 mm (3/4") Weldon Bore which accepts cutters up to 60mm diameter.

Optional MT4 Arbor with 32mm (1-1/4") Weldon Bore for cutters of larger diameter is available.

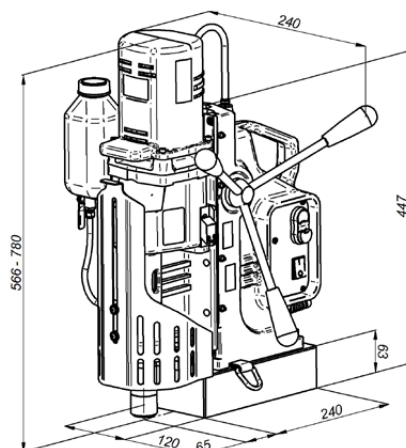


Standard shipping set:

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

Selected additional accessories:

- UCW-0191-02-00-0 Through Spindle Continuous Cooling Arbor AMT4-U32/4-3
- PDS-0111-03-00-01-0 DMP0501 Pipe Attachment



PRO-111 TECHNICAL SPECIFICATION

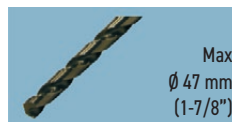
Motor Speeds (under load)	85/135/160/250 rpm
Motor Power	1.650 W
Weight	31 kg (66 lbs 14 oz)
Max milling capacity	Ø 111 mm (4-3/8")
Max drilling capacity	Ø 47 mm (1-7/8")
Max countersinking	Ø 63 mm (2-1/2")
Max tap size	M30 (tapping attachment required)
Stroke	230 mm (9-1/16")
Max depth of cut	76 mm (3")
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1.800 W
Overload protection	yes
Overload LED indicator	yes
Semi-automatic gib adjustment	yes
MPAC	yes
MFSC	yes
Magnetic clamping force	2243 kG (22000 N) /25 mm, Ra=1,25/
Magnet Base Dimensions	120 x 240 x 63 (mm) (4-5/16 x 8-11/16 x 2-3/16")
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)	WRT-0401-10-20-00-0
Product Code (110-120 V)	WRT-0401-10-10-00-0

PRO-111 gearbox:

- MT4 spindle
- High torque up to 178Nm
- 4 powerful mechanical motor speeds
- Through spindle cooling



Max
Ø 111 mm
(4-3/8")



Max
Ø 47 mm
(1-7/8")



Max
Ø 63 mm
(2-1/2")



M30



Core drill
max 111 mm



Twist drill
max 47 mm



Thread
cutting M30



Spindle
MT4



Depth of cut
76 mm



Stroke
230 mm



Speed 85, 135,
160, 250 rpm



Motor Power
1650 W



Weight
31 kg



PRO-52T

UNIVERSAL TAPPING AND DRILLING MACHINE

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

Powerful 1600 W 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 Promotek'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.



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



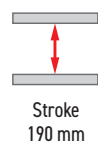
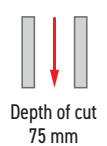
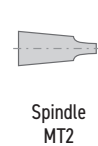
Features and benefits:

- 1600 W powerful motor with heavy duty 2-speed gearbox
- intelligent speed control system maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic speed control
- electronic clutch
- both overload and overheat protection
- rigid design extends tool life
- tilt sensor stops the motor in cases of machines break 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
- intuitive control panel at top of the drill
- large coolant container

PRO-52T - TECHNICAL SPECIFICATION

Motor Speeds (under load)	160-250 rpm (gear I) 390-580 rpm (gear II)
Motor 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
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1122 kG (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-0600-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0600-10-10-00-0

* 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-0220-00-00-4



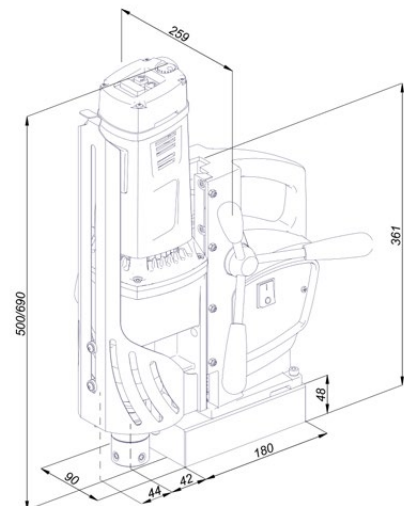
Vacuum pad
product code: PDS-0587-00-00-0



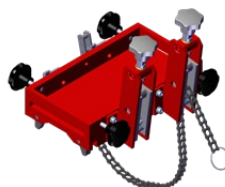
Compressed air ejector
product code: ZSP-0587-11-00-00-0



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-76T | MULTIFUNCTIONAL DRILLING MACHINE

PRO-76T is the latest multifunction machine with Morse Taper No. 3 that can perform also tapping jobs thanks to the left and right rotations. The drill is equipped with motor overload protection system and continuous speed adjustment, which works in two speed ranges. Additionally, it has a state of the art Electronic Speed Stabilization System (ESSS), responsible for stabilizing motor's speed under varying loads on the spindle. Its precision and durability are significantly increased thanks to the one gearbox housing and slide.

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

PRO-76T is equipped with electromagnetic base featuring magnetic field shape control system (MFSC) and magnetic power adhesion control module (MPAC), which detects adhesive force of electromagnetic base and protects both the machine and the operator from work on too thin workpieces.

Standard shipping set of PRO-76T includes MT3 Arbor with 3/4" (19mm) Weldon Bore that accepts cutters up to 60mm (2-5/16") diameter. Optional MT3 Arbor with 1-1/4" (32mm) Weldon Bore for cutters of larger diameters is available.

PRO-76T can also be ordered with a swivel base as PRO-76T+.

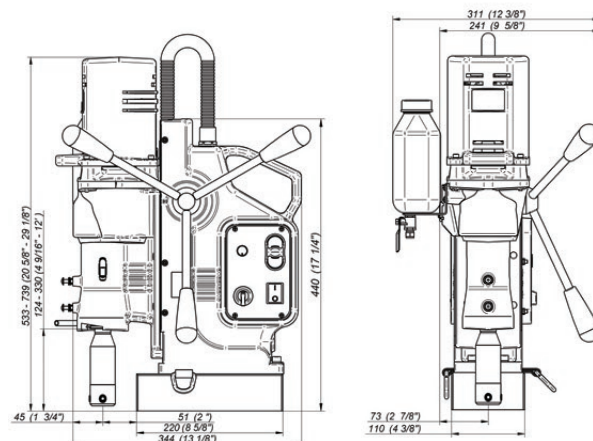


Standard shipping set:

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

Selected additional accessories:

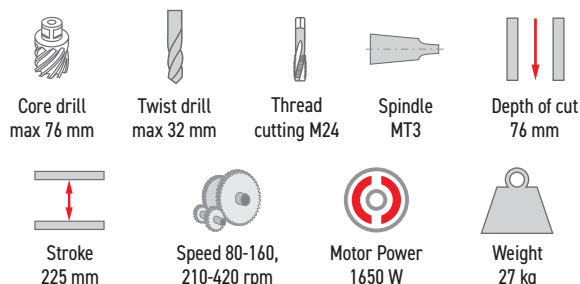
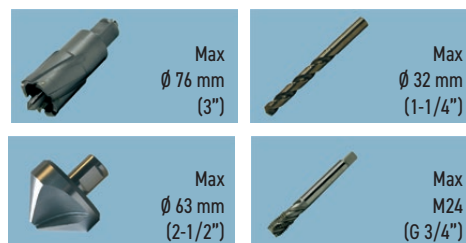
- UCW-0191-00-00-0 Through Spindle Continuous Cooling Arbor MT3-32 Weldon Bore
- UCW-0285-03-00-02-0 Quick Change Continuous Cooling Arbor MT3- 19 Weldon
- PDS-0111-03-00-01-0 DMP0501 Pipe Attachment
- UKL-0440-16-00-00-0 Pressure Coolant System 21



PRO-76T TECHNICAL SPECIFICATION	
Motor Speeds (under load)	80 ÷ 160; 210 ÷ 420 rpm
Motor Power	1650 W
Weight	27 kg (58 lbs 4 oz)
Max milling capacity	Ø 76 mm (3")
Max drilling capacity	Ø 32mm (1-1/4")
Max countersinking	Ø 63 mm (2-1/2")
Max Tap size	M24 (G 3/4")
Stroke	225 mm (8-7/8")
Max depth of cut	76 mm (3")
Voltage	1~ 110-120 V, 50-60 Hz 1~ 220-240 V, 50-60 Hz
Power consumption	1800 W
Overload protection	yes
ESSS (Electronic Speed Stabilization System)	yes
Continuous Speed Adjustment	yes
Semi-automatic gib adjustment	yes
MPAC (Magnetic Power Adhesion Control)	yes
MFSC (Magnetic Field Shape Control)	yes
Magnetic clamping force	1988 kG (19500 N) /25mm, Ra=1,25/
Magnet Base Dimensions	110 x 220 x 56mm; (4-5/16 x 8-11/16 x 2-3/16")
Swivel base (PRO76T+)	± 15°; ± 15mm (± 9/16")
Min. Workpiece Thickness	10 mm (3/8")
Spindle	MT3
Tool holder	19 mm (3/4") Weldon
Product Code 230V/50Hz w. swivel base	WRT-0473-10-20-00-1
Product Code 115V/60Hz w. swivel base	WRT-0473-10-10-00-1



Swivel base in version PRO 76+



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 PRO-52T, PRO-112T and PRO-132T to fully benefit from tightened securing nut.
- 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



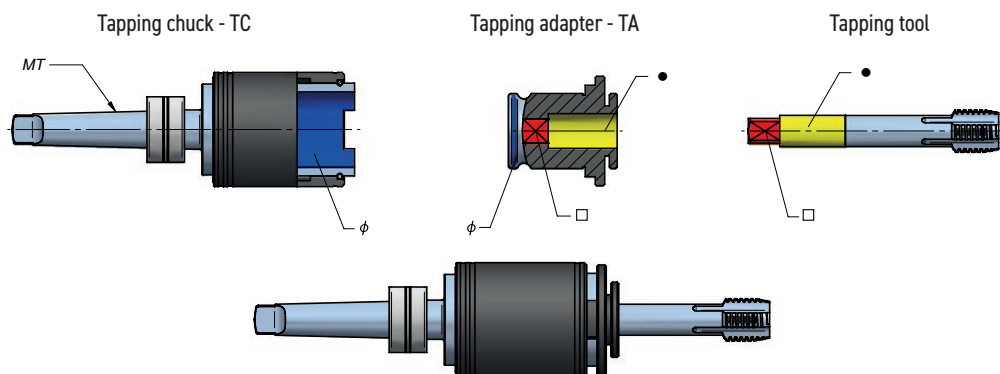
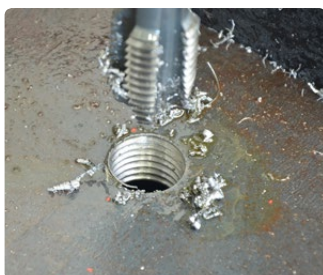


Tapping chuck
feat. securing nut

Shipping set of tapping chuck
incl. HD-CUT OIL1



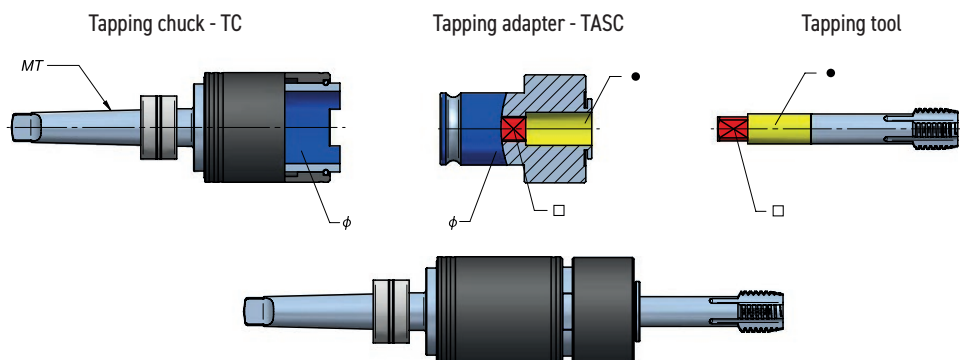
Through hole tapping up to M42



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 up to M33



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-112T | INDUSTRIAL TAPPING AND DRILLING MACHINE

The PRO-112T machine is designed for industrial hole making and tapping applications.

Powerful 2300 W variable speed motor enables milling capacity up to 100 mm (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.

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:

- 2300 W the most powerful motor in its class (among MT3 drills) with heavy duty 4-speed gearbox
- intelligent speed control system maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic speed control
- electronic clutch
- rigid design extends tool life
- tilt sensor stops the motor in cases of machines break 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
- intuitive control panel at top of the drill
- large coolant container



PRO-112T 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)
Motor Power	2300 W
Weight	25 kg (55 lbs)
Max milling capacity	100 mm (4")*
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
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	1835 kG (18 000 N)
Magnet Base Dimensions	110 mm × 220 mm × 50 mm 4.3" × 8.7" × 2"
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-0563-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0563-10-10-00-0

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



Core drill
max 100 mm



Twist drill
max 31.75 mm



Spindle
MT3



Depth of cut
100 mm



Stroke
225 mm



Speed
75-110 rpm
135-200 rpm
220-320 rpm
390-570 rpm



Motor Power
2300 W



Weight
25 kg



Thread
cutting
M30



Worn
brushes
indicator



Thermal
/overheat
protection

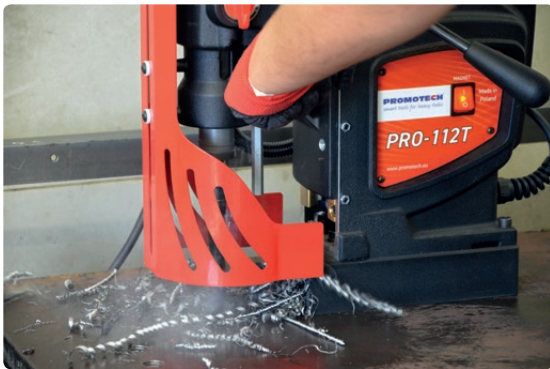


Overload
protection

PRO-112T - Available tapping configurations



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



Drilling capacity up to 31.75 mm (1-1/4")
• Max stroke up to 225 mm (9")

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

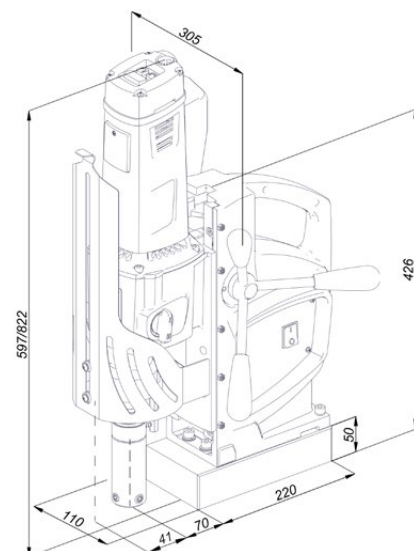
Through hole tapping up to M30



Blind hole tapping up to M30



Dimensions:



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



PRO-132T | HEAVY DUTY TAPPING AND DRILLING MACHINE

The PRO-132T drilling machine is designed for large hole making and very big tapping applications.

Powerful 2300 W variable speed motor enables milling capacity up to 130 mm (5") 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:

- 2300 W powerful motor with heavy duty 4-speed gearbox
- intelligent speed control system maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic speed control
- electronic clutch
- rigid design extends tool life
- tilt sensor stops the motor in cases of machines break 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
- intuitive control panel at top of the drill
- large coolant container



PRO-132T 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)
Motor Power	2300 W
Weight	31 kg (68 lbs)
Max milling capacity	130 mm (5")*
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
Magnetic clamping force (surface with the thickness of 25 mm and roughness Ra = 1.25)	2550 kG (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-0583-10-20-00-0
Product Code 110-120 V, 50-60 Hz	WRT-0583-10-10-00-0

* 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 130 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

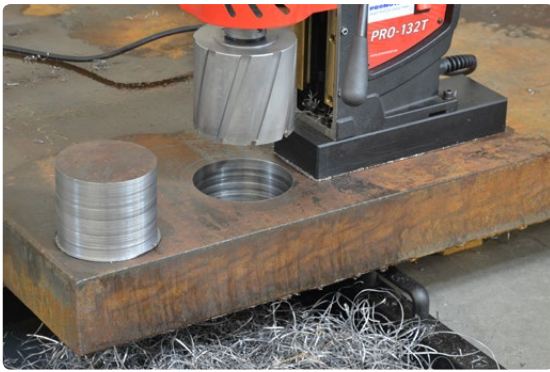


Thermal
/overheat
protection



Overload
protection

PRO-132T - Available tapping configurations



Milling capacity up to 130 mm (5")
Max depth of cut up to 100 mm (4")



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

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

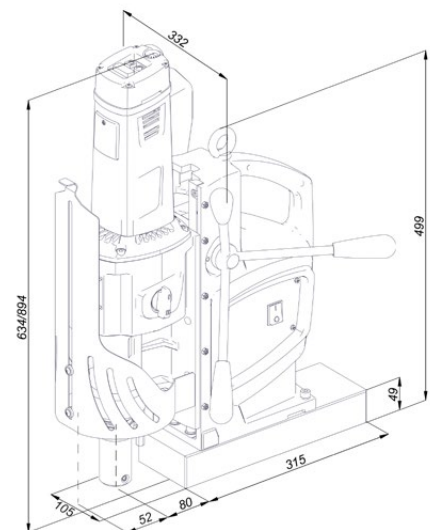
Through hole tapping up to M42



Blind hole tapping up to M33



Dimensions:



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

Joint features and benefits of PRO-52T, PRO-112T and PRO-132T tapping & drilling machines



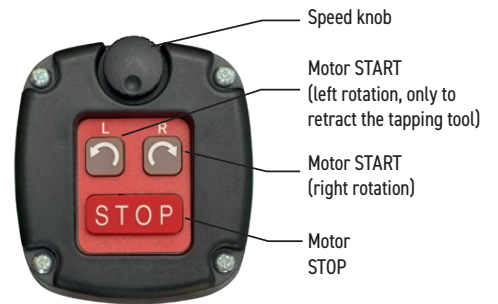
PRO-52T



PRO-112T
















PRO-132T



Intuitive control panel at top of the drill

360-degree Visual Monitoring System - VMS



 CONDITION OF THE DRILL		ready to work (green is on)
		normal work (white is on)
		overheat (red is on)
		emergency stop/overload (blue is on)
		emergency stop/tilting the machine due to vibrations or weak surface (violet is on)
 SAFETY INFORMATION		low adhesive force (green flashes)
		near overload (blue flashes)
 DIAGNOSTIC INFORMATION		emergency stop/ voltage drop (red changes to blue)
		
		emergency stop/ worn brushes (red changes to green)



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



Tapping chuck feat. securing nut

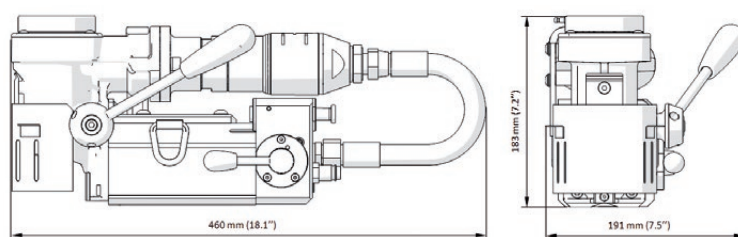
PRO-35 ADA ATEX | PNEUMATIC DRILLING MACHINE



An extremely small portable air drilling machine makes holes with diameters up to 35 mm and a depth of 25 mm on any construction site and industrial installations where electric appliances are prohibited for safety reasons. Combining a pneumatic drive and permanent magnetic base eliminates the need of electric power supply. PRO-35 ADA ATEX is perfectly suited to space restricted and hazardous environments such as oil drilling platforms, shipbuilding or petrochemical industry.



Dimensions:



Features & benefits:

- no need for electric power
- compact and light-weight
- great safety features
- strong permanent magnet base
- ideal for areas with risk of explosion
- protection against motor start-up when magnetic base is not activated



Works with different tools



Compact design for space restricted



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

Standard shipping set:

- pneumatic drilling machine
- metal box
- feed lever
- cooling system bottle 0.5 l
- pilot pin
- safety chain
- 4 mm hex wrench
- 5 mm hex wrench
- Operator's Manual

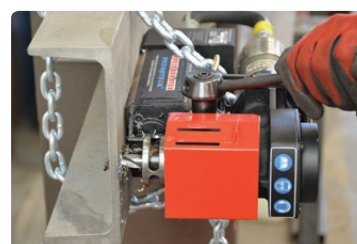


PRO-35 ADA ATEX conforms to ATEX II 2 G/D c IIC T6/T4 Standard for equipment used in hazardous environments

www.atexdrilling.com

PRO-35 ADA ATEX TECHNICAL SPECIFICATIONS

Motor speed (under load)	240 rpm
Motor power	800 W
Weight	17 kg (37 lbs)
Max milling capacity	35 mm (1-2/8")
Max drilling capacity	16 mm (3/5")
Stroke	39 mm (1-1/2")
Max depth of cut	25 mm (1")
Cutter holder	19 mm Weldon (3/4")
Air consumption	1400 l/min (50 CFM)
Cooling system	Through spindle
Type of cooling fluid	Oil or water soluble
Magnetic base holding force	663 kG (6500 N)
Magnetic base dimensions	80 mm × 80 mm × 143 mm (3-1/10" × 3-1/10" × 5-3/5")
Overall dimensions LxWxH	460 x 134 (191 with handle) x 183
Product Code	WRT-0520-10-00-00



Working in out of positions



Through spindle cooling system



Portable and easy for transportation



Feed lever can be fixed from either side



Core drill
max 35 mm



Twist drill
max 16 mm
with 19 mm
Weldon
Shank



Depth of cut
25 mm



Stroke
39 mm



Speed
240 rpm



Motor Power
800 W



Weight
17 kg



PRO-45/2 ATEX | PNEUMATIC DRILLING MACHINE

PRO-45/2 ATEX is a small portable pneumatic drilling machine which allows cutting holes up to 45mm (1.77") diameter.

Combination of pneumatic drive and permanent magnetic base eliminate the need of electric power supply thus making this machine an ideal solution in many hazardous environments such as oil drilling platforms, petrochemical plants, oil refineries, shipbuilding and petrochemical industry, where electric appliances are prohibited for safety reasons.

Features & benefits:

- intended for use in potentially explosive atmospheres
- no need for electric power
- strong permanent magnet base
- great safety features
- protection against motor start-up when magnetic base is not activated
- 2-gear box

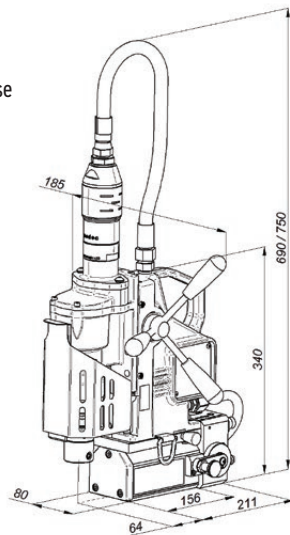
Standard shipping set:

- pneumatic drilling machine
- metal box
- feed handles
- MT2 arbor
- safety chain
- cooling system
- protective spring for cooling hose
- set of tools
- operator's manual



PRO-45/2 ATEX
conforms to
ATEX II 2 G/D c IIC T6/T4
Standard
for equipment used in
hazardous environments

www.atexdrilling.com



PRO-45/2 ATEX TECHNICAL SPECIFICATIONS

Motor speed (under load)	190 rpm (gear I) 290 rpm (gear II)
Motor power	800 W
Weight	26.5 kg (58.5 lbs)
Max milling capacity	45 mm (1-4/5")
Max drilling capacity	20 mm (4/5")
Stroke	150 mm (6")
Max depth of cut	51 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 workpiece thickness	10 mm (2/5")
Required ambient temperature	0-40°C (32-104°F)
Magnetic base holding force	765 kG (7 500 N)
Magnetic base dimensions	80 mm × 80 mm × 143 mm (3-1/6" × 3-1/6" × 5-5/8")
Overall dimensions LxWxH	424 mm × 268 mm × 703 mm 16-5/6" × 10-1/2" × 27-5/8"
Product Code	WRT-0632-10-00-00-0



Core drill
45 mm



Twist drill
20 mm



Depth of cut
51 mm



Stroke
150 mm



Speed
190 rpm
290 rpm



Motor Power
800 W



Weight
17 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
conforms to
ATEX II 2 G/D c IIC T6/T4
Standard for equipment used in
hazardous environments

www.atexdrilling.com

Features & 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")



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

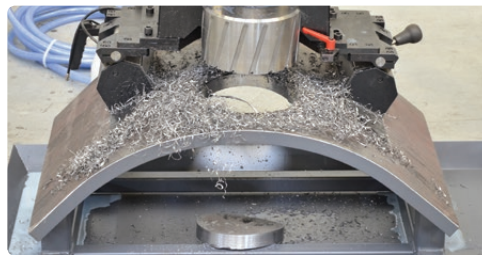
Tapping up to M48



Working on contour surfaces

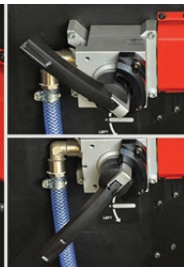


PRO-200A ATEX can be fixed to pipes of min. 950mm (37.4") diameters



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 kG (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-0490-10-00-01-0

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

Standard shipping set:

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



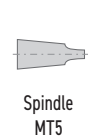
Core drill
max 200 mm



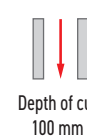
Twist drill
max 45 mm



Thread
cutting M48



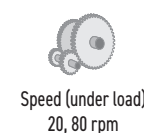
Spindle
MT5



Depth of cut
100 mm



Stroke
400 mm



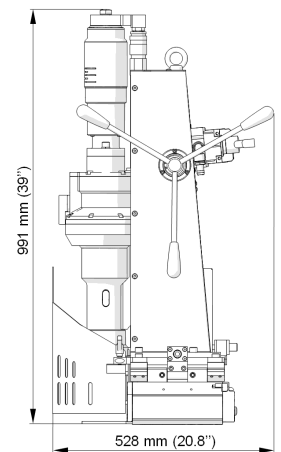
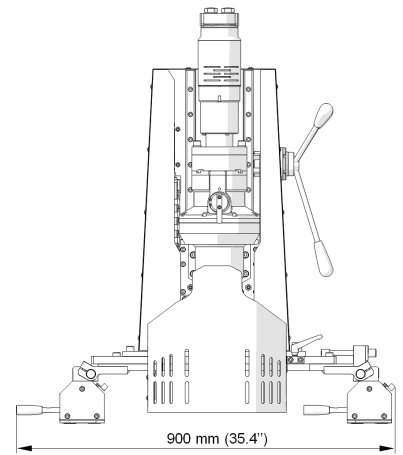
Speed (under load)
20, 80 rpm



Motor Power
3650 W



Weight
130 kg



PRO-60 HP PRO-110 HP

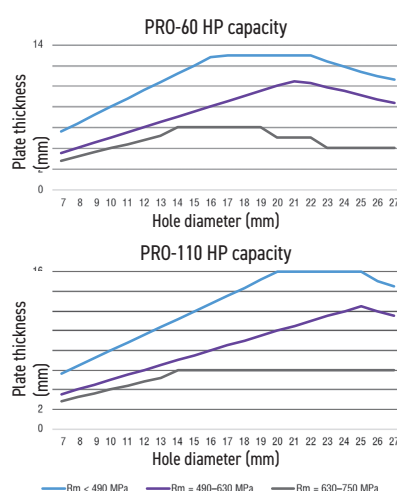
PORTABLE HYDRAULIC PUNCHERS



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
Motor power	1500 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

	max. thickness	max. throat depth	max. hole	max. oblong hole	punching time	punching power	double 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



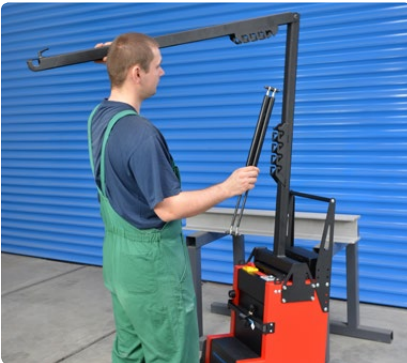
Portable hydraulic power pack with shelf for puncher transport.



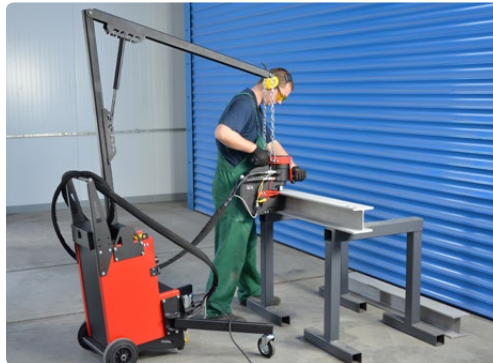
Customize your work place with a variety of optional accessories.

Hoist set

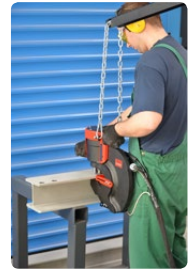
Product code: ZUR-0517-15-00-00-0



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

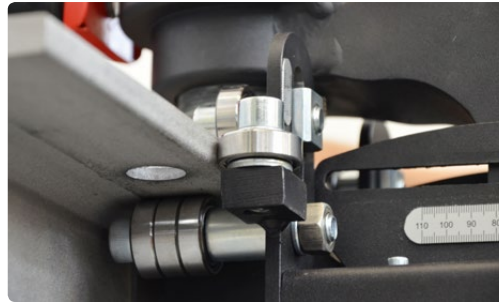
Product code: ZST-0507-91-00-00-0



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.

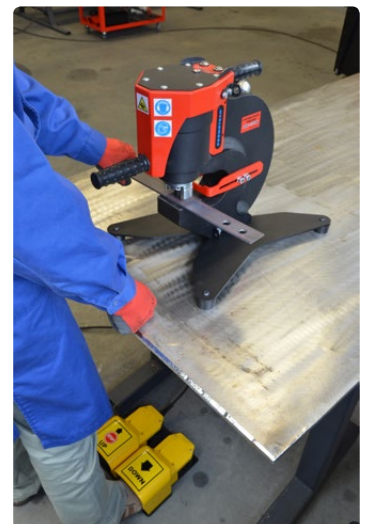


Punches & dies

Hydraulic Punchers tools		
Oblong [mm]	Punch - product code	Die - product code
16x8	STM-0507-30-13-00-0	MTY-0507-70-13-00-0
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
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
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

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

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



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

PRO-36R | DRILLING MACHINE



A very powerful compact and lightweight machine for drilling in rails. Fast positioning, quick clamping and instant unlocking mechanisms make it easy to use and safe device.

PRO-36R enables drilling in rails of any standard by means of 2pcs of optional rail profile templates and 1pcs of hole centre positioner, to be chosen by customers from a comprehensive range of auxiliary accessories dedicated to a variety of types of rails.

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 can also be ordered with Honda 4-stroke petrol motor as PRO-36RH.



PRO-36RH | DRILLING MACHINE

A very powerful compact and light weight machine equipped with petrol Honda 4-stroke engine for drilling in rails. Fast positioning, quick clamping and instant unlocking mechanisms make it easy to use and safe device.

PRO-36RH enables drilling in rails of any standard by means of 2pcs of optional rail profile templates and 1pcs of hole centre positioner, to be chosen by customers from a comprehensive range of auxiliary accessories dedicated to a variety of types of rails.

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-36RH can also be ordered with electric motor as PRO-36R.

It weighs only 18,5 kg (40,8 lbs).



Weight 18.5 kg
(40.8 lbs)

PRO-36 RH is equipped with Honda petrol motor

Rail profile templates and hole centre positioner are to be ordered, separately.



Upon customer's request any rail profile templates and hole centre positioners are subject to manufacture to meet any required rail standard.

Standard shipping set:

- Rail Drilling Machine
- Metal Box
- Pressure Coolant 5l Bottle Assembly
- Set of Tools
- Instruction Manual (English)
- Standard shipping weight – 33,6 kg (72 lbs 8 oz) PRO-36R
– 40,0 kg (86 lbs 5 oz) PRO-36RH

Selected additional accessories:

- UST-0275-00-01-00-0 S49 Rail Profile Template
- UST-0275-00-02-00-0 UIC 60 Rail Profile Template
- WZR-0275-13-00-00-0 S49 Hole Centre Positioner
- WZR-0275-14-00-00-0 UIC 60 Hole Centre Positioner
- ZSP-0275-38-00-00-0 Double-sided counter-sinking tool Ø 36mm (1-7/16")

TECH. SPECIFICATION	PRO-36R	PRO-36RH
Tool Holder	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")
Max drilling capacity	Ø 16 mm (5/8")	Ø 16 mm (5/8")
Stroke	40 mm (1-9/16")	39 mm (1-9/16")
Max depth of cut	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
Power consumption	1000 W	1500 W
Motor Power	920 W	1500 W
Speeds	350 rpm	225 rpm
Weight	14,5 kg (32 lbs)	18.5 kg (40.8 lbs)
Product Code	WRT-0676-10-20-00-0 WRT-0676-10-10-00-0	WRT-0301-10-00-01-0



Max
Ø 36 mm
(1-7/16")



Max
Ø 16 mm
(5/8")

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

Most important practical guidelines (continued):

- 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.

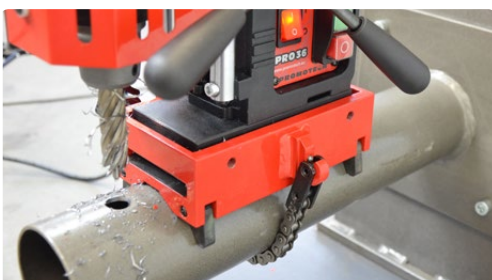
Annular cutter regrinding machine SM-101 saves time and money in carrying out an effective HSS core drills re-sharpening, particularly if the customer is in urgent need for continued production drilling. Thanks to its solid construction, low power consumption, small dimensions, the machine can be used 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 12mm diameter to 50mm Diameter in cutting depths of 25mm and 50mm

Annular cutter type HSS



Annular cutter type TCT



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

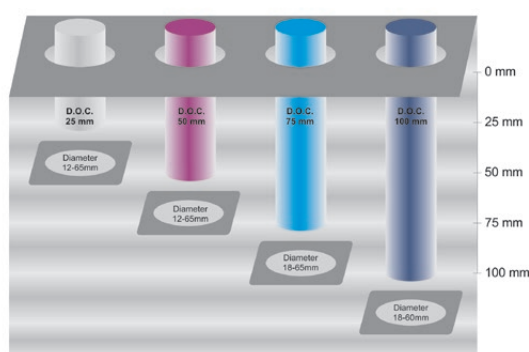


SM-101 TECHNICAL SPECIFICATION

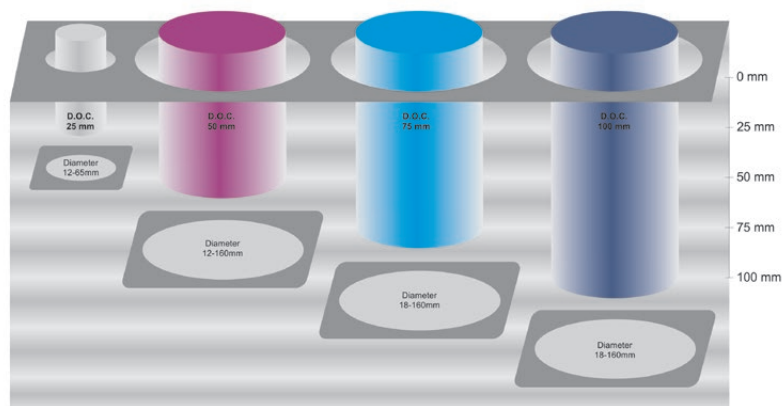
Dimensions L x W x H		465 x 399 x 355 mm
Net weight		15.5 kg
Supply [V]		1~230 V, 50~60 Hz
Motor power / speed		0.18 kW / 2820 rpm
Movement length	Motor guide	70 mm
	Guiding slide	162 mm
Noise level		<70 dB(A)
Grinding disc		Mola diamantata Ø 125 mm con placcatura elettrica
Cutter's clamping		19.05 mm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

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	Carbon steel to 700 N/mm ²	Alloy steel to 1000 N/mm ²	Cast iron to 250 N/mm ²
Feed rate Vf=mm/rev	0.08-0.12	0.08-0.10	0.12-0.20
Milling speed Vc=m/min	27	18	9
Coolant	5-10% cooling emulsion	5-10% cooling emulsion	Compressed air
Ø mm	rpm	rpm	rpm
12	716	478	239
14	614	410	204
18	478	319	159
22	391	261	131
24	358	239	120
26	330	221	110
28	307	204	103
36	239	159	79
38	226	151	76
40	215	143	72
45	191	128	64
50	172	114	58
55	157	103	52
60	143	94	48
65	132	87	44
70	123	80	41
75	114	75	38
80	107	70	36
85	101	66	34
90	96	63	32
95	91	59	30
100	86	56	29

RECOMMENDED SPINDLE SPEED
FOR TCT ANNULAR CUTTERS

Material	Carbon steel to 700 N/mm ²	Alloy steel to 1000 N/mm ²	Cast iron to 250 N/mm ²
Feed rate Vf=mm/rev	0.08-0.12	0.08-0.10	0.12-0.20
Milling speed Vc=m/min	45	32	36
Coolant	5-10% cooling emulsion	5-10% cooling emulsion	Compressed air
Ø mm	rpm	rpm	rpm
14	1023	716	819
18	797	557	637
22	652	456	521
24	597	418	478
26	551	386	441
32	448	313	358
34	421	295	338
40	358	251	286
45	319	223	255
50	286	201	230
55	261	183	209
60	239	167	191
65	221	154	176
70	204	143	164
75	191	134	153
80	179	125	143
85	168	118	135
90	159	112	128
95	151	105	121
100	143	100	114
110	130	90	102
120	119	83	93

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

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



Pilot Pin Size	Matching TCT Metric Cutters	Product Code
Ø6.34/5.3 x 90 mm	Ø12 - 17 mm in 35 mm D.O.C.	PLT-000105
Ø7.98 x 90 mm	Ø18 - 65 mm in 35 mm D.O.C.	PLT-000106
Ø6.34/5.3 x 106 mm	Ø12 - 17 mm in 50 mm D.O.C.	PLT-000107
Ø7.98 x 108 mm	Ø18 - 60 mm in 50 mm D.O.C.	PLT-000108
Ø7.98 x 115 mm	Ø61 - 160 mm in 50 mm D.O.C.	PLT-000109
Ø7.98 x 130 mm	Ø18 - 60 mm in 75 mm D.O.C.	PLT-000102
Ø7.98 x 145 mm	Ø61 - 160 mm in 75 mm D.O.C.	PLT-000110
Ø7.98 x 160 mm	Ø18 - 60 mm in 100 mm D.O.C.	PLT-000103
Ø7.98 x 175 mm	Ø61 - 160 mm in 100 mm D.O.C.	PLT-000111

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

HD-CUT | COOLANT FAMILY

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:

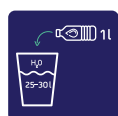
- perfect industrial cleaner for metal machining
- provides elimination of greases, oils, sludge and other chemical or petroleum based fluids
- perfectly suitable for all degreasing operations on all kinds of mechanical parts
- non-flammable
- biodegradable
- aerosol 650 ml / net volume 400 ml
- product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





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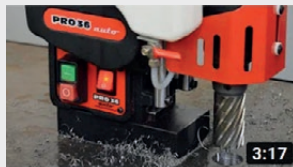
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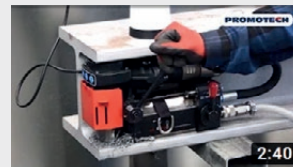
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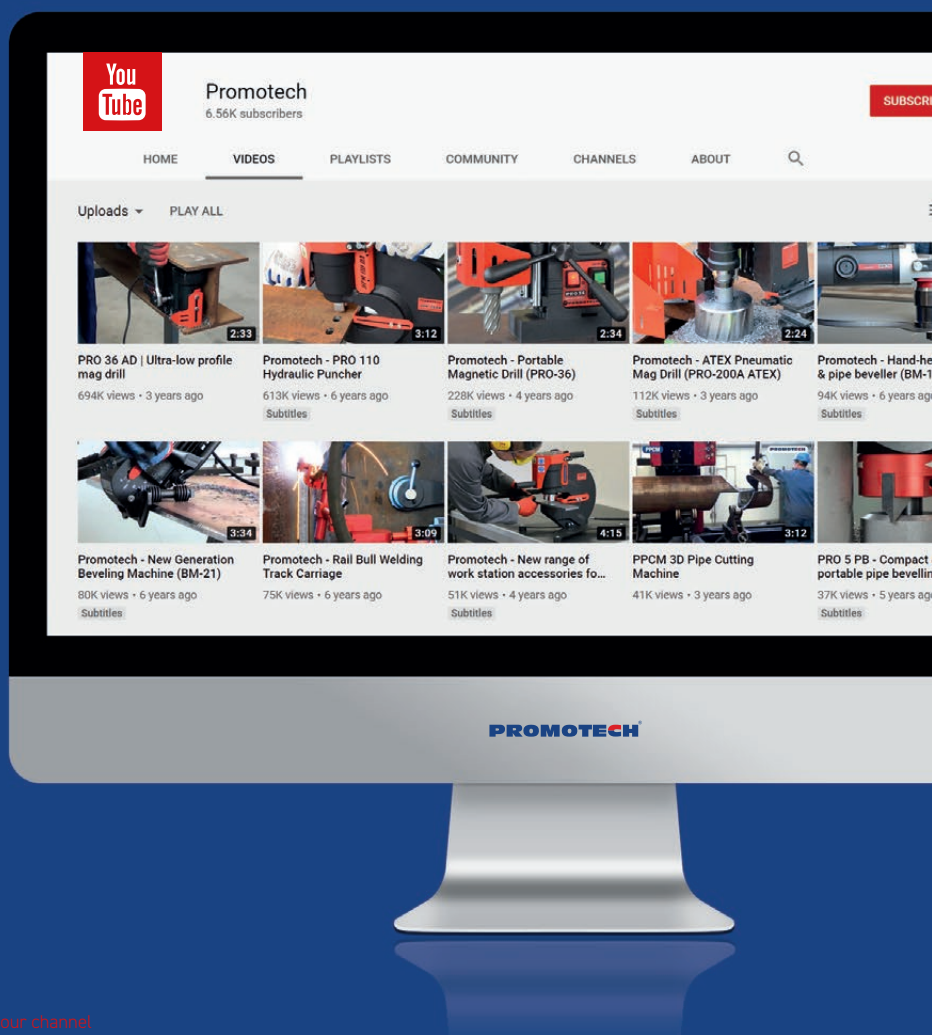
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