

■ 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:

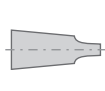
- 2300 W the most powerful motor in its class (among MT3 drills) with heavy duty 4-speed gearbox
- intelligent speed control system maintains stable speed regardless of load changes
- tapping of through and blind holes
- milling with TCT or HSS cutters or drilling
- electronic speed control
- electronic 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



Core drill
max 100 mm
(4")



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



Spindle
MT3



Depth of cut
100 mm
(4")



Stroke
225 mm
(9")



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



Motor Power
2300 W



Weight
25 kg
(55 lbs)



Thread cutting
M30
(1-1/4")



Worn
brushes
indicator















Thermal
/overheat
protection



Overload
protection

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)



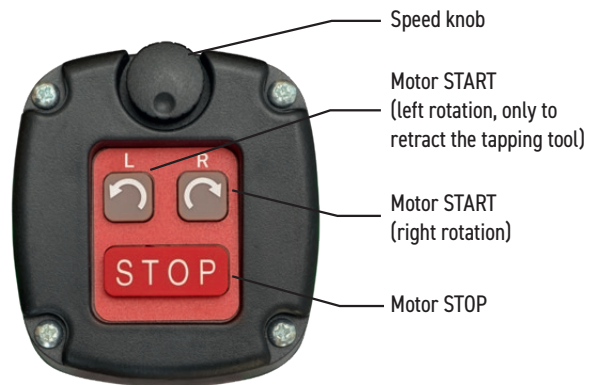
Milling capacity up to 100 mm (4")
Max depth of cut up to 100 mm (4")



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



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



Intuitive control panel at top of the drill

■ Promotech introduces quick change tapping system including:



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

PRO-112T - Available tapping configurations

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

Standard tapping configuration

Optional tapping configuration

■ Promotech quick change tapping system accessories suitable for PRO-112T drilling machine:

TC – Tapping chucks with securing nuts

Product Code	Type	Description
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



Tapping chuck feat. securing nut

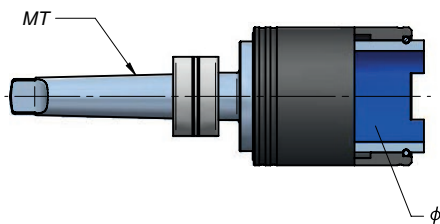


Shipping set of tapping chuck incl. HD-CUT OIL1

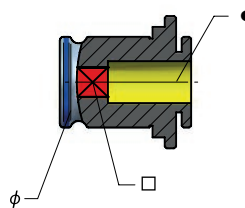
Through hole tapping up to M30



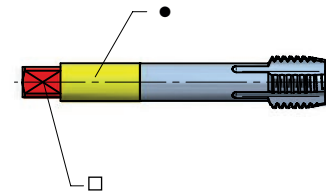
Tapping chuck - TC



Tapping adapter - TA



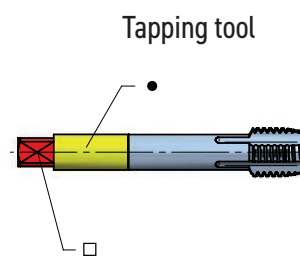
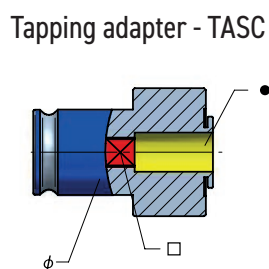
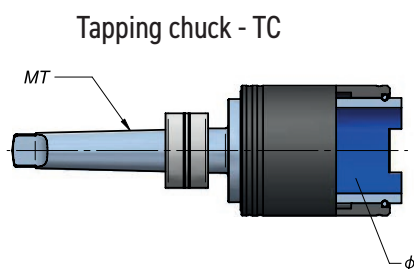
Tapping tool



TA – Tapping Adapters

Product Code	Type	Description	∅ [mm]	Tap size	● [mm]	□ [mm]
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

Blind hole tapping up to M30



TASC - Tapping Adapters Safety Clutch

Product Code	Type	Description	∅ [mm]	Tap size	● [mm]	□ [mm]
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

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)

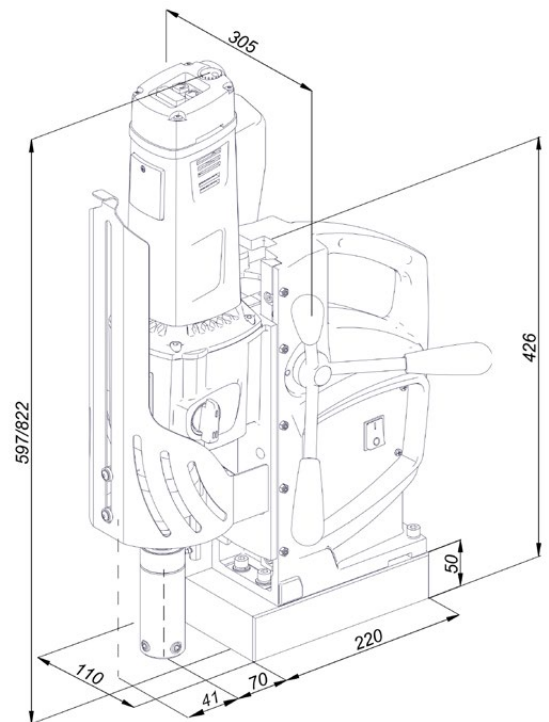


PRO-112T TECHNICAL SPECIFICATION

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).

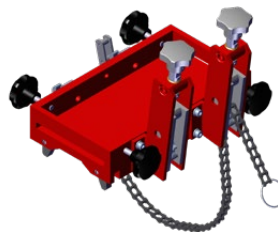
Dimensions:



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

More optional accessories:



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



Arbor MT3 x 32 mm Weldon
for drilling diameter over 60 mm (2.3")
product code: UCW-0563-22-00-00-0



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

All information is subject to change without notice. 1909



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