

## Hottap Machines

All capacities are for drilling mild steel pipe and may be reduced when operating on other materials. We can design specifically for your requirements.

All Models are designed for operation up to 100 bar (1470psi) and 200 C.  
They are able to cut up to 3" wall thickness mild steel.

They are able to cut stainless steel, API Gr. Band API SL X80 and concrete.

They are capable of installing LOR and flow through plugs and are compatible with TD Williamson equipment.

All machines have powered feed for cutting that is proportional to the spindle rpm and rapid travel.

All machines spindles are compatible with TD Williamson tooling.

Model	Stroke	Diameter Range
PTM-1018-MN	18"	1/4" 4"
PTM-1028-MN	28"	1/4" 6"
PTM-1032-MN	32"	1/4" 6"
PTM-2028-PN	28"	3" 8"
PTM-3048-PN	48"	3" 12"
PTM-3066-PN	66"	3" 16"
PTM-3066-HYD	66"	3" 16"
PTM-3070-HYD	70"	3" 20"
PTM-5078-HYD	78"	12" 38"
PTM-5108-HYD	108"	12" 42"
PTM-5130-HYD	130"	12" 44"
PTM-7102-HYD	102"	16" 72"
PTM-7130-HYD	130"	16" 64"
PTM-7150-HYD	150"	16" 56"

The figure in the above chart are indicative and may vary



# Tapping Machines

## PTM-1000 series

### Description

Tapping machines are used for making connections to pipelines, tanks, and plant piping without shutdown and are used to make hot taps in preparation for plugging machine application.

Our Models series 1000 can be either air or Manual used.

### Specifications

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Specifications

	Drilling Capacity	Stroke	Weight
PTM-1018-MN	1/4"-4"	18"	32 pounds
<b>PTM-1028-MN</b>	1/4"-6"	<b>28"</b>	41 pounds
<b>PTM- 1032-MN</b>	1/4"-6"	<b>32"</b>	50 pounds

The models 1000 drilling machine are available in three versions: 1018 with 18" of travel, 1028 with 28" and the 1032 model with 32" of travel. However we also manufacture PTM-1000 serie for more strokes (20" or 24") under special requirement. They meet NACE Standard and CE, sulfide stress cracking resistant metallic material for oilfield equipment. The maximum working pressure is 1,480 psi (100 bar) at 100° F (38° C). Its operating temperatures are -20° F (-29° C) to 700° F (371° C) at 700 psi (48 bar) for intermittent service. The maximum continuous rating is 350° F (177° C) at 1,025 psi (70 bar).

### Features

The machine includes a air motor is optional.

Model PPM- 1000 pneumatic air wrench, suitable to all our 1000 series drilling machines.

These are the technical data:

- Power:	0.6HP	- Rotation Speed:	150 rpm
- Max Torque:	90Nm	- Air consume:	13 l/s
-Weight:	2,35 Kg.		



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### Hole Saws/ Cutters and Pilot Drills

TAP SIZE		O Cutter		Size On Size		Not Size On Size
				Hole Saw/cutter	Pilot Drill	Pilot Drill
inch	mm	Inch	mm	Stock Number	Stock Number	Stock Number
1 1/4"	32	1 5/16"	33.3	PHS-1000-32	PPD-505-1000-32	PPD-NSOS-1000-32
1 1/2"	38	1 9/16"	39.7	PHS-1000-38	PPD-505-1000-38	PPD-NSOS-1000-38
2	50	1 7/8"	47.6	PHS-1000-50	PPD-505-1000-50	PPD-NSOS-1000-50
3	80	2 7/8"	73.0	PHS-1000-80	PPD-505-1000-80	PPD-NSOS-1000-80
4	100	3 7/8"	98.4	PHS-1000-100	PPD-505-1000-100	PPD-NSOS-1000-100



### DRILL

DRILL DIAMETER		DRILL LENGTH		VALVE SIZE		Stock Number
inch	mm	Inch	mm	INCH	mm	
1/2"	12.7	6"	150	1 1/4-2"	32-50	PD-1000-127-150
1/2"	12.7	22 1/4"	565	1"	25	PD-1000-127-565
3/4"	19.0	6"	150	1 1/4-2"	32-50	PD-1000-190-150
3/4"	19.0	22 1/4"	565	1"	25.0	PD-1000-190-565
1	25.0	6"	150	1 1/4-2"	32-50	PD-1000-250-150
1 1/4"	32.0	6"	150	1 1/4-2"	40-50	PD-1000-320-150
1 7/16"	36.5	7 3/8"	187	1 1/4-2"	40-50	PD-1000-365-187



### THREADED VALVE ADAPTER

			MAXIMUM PRESSURE	
			PSI	BAR
inch	mm	Stock Number		
1	25	PTVA-1000-25	1480	100
1 1/4"	32	PTVA-1000-32	1480	100
1 1/2"	38	PTVA-1000-38	1480	100
2	50	PTVA-1000-50	1480	100
3	80	PTVA-1000-80	1480	100



### PLUG HOLDER

inch	Stock Number
2" -3"	PPH-1000-23



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### FLANGED VALVE ADAPTERS

		CLASS 150#	CLASS300#	CLASS600#
inch	mm	Stock Number	Stock Number	Stock Number
2	50	PFVA-02-15	PFVA-02-30	PFVA-02-60
3	80	PFVA-03-15	PFVA-03-30	PFVA-03-60
4	100	PFVA-04-15	PFVA-04-30	PFVA-04-60
6	150	PFVA-06-15	PFVA-06-30	PFVA-06-60



### MANUAL HOT TAP & LINEDROP SLIM VALVES

		Size	Class 150 #	Class300#	Class600 #
inch	mm	Part Number	Part Number	Part Number	Part Number
2	100	PSV-02-15	PSV-02-30	PSV-02-60	
3	150	PSV-03-15	PSV-03-30	PSV-03-60	
4	200	PSV-04-15	PSV-04-30	PSV-04-60	
6	250	PSV-06-15	PSV-06-30	PSV-06-60	

