

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



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 5000 are hydraulically operated.



Specifications

	Drilling Capacity	Stroke
PTM-5078-HYD	12" -36"	78"
PTM-5078-HYD	12"-42"	108"
PTM-51 30-HYD	12"-44"	130"

Dimensions:	Length 3100mm, Height 760mm, Width 870mm
Weight:	990 kg
Mounting:	6"Class 600 RTJ Type Flange
Boring Bar:	100 mm Diameter Chrome Plated One piece bar
Sealed:	with Chevron Gland 400Bar at 100Deg C
Tool Mounting:	Industry Standard taper
Tool Retention:	Manual Drawbar sealed with Chevron Gland
Max Pressure rating:	100Bar (1480psi)
Spindle Speed:	25 RPM with Propipe - PPP-5000 Power Pack
Feed Rate:	0.12 mm/ rev
Drive system:	Hydraulic Motor driving spindle via CHAIN lubrication and maintenance free spindle drive.
Rapid Boring BarTravel:	by Hydraulic Motor
Hydraulics Pressure:	1750psi(1 18bar)-2000psi (135bar) Max

Features

The machine includes:

Lower in crank, Measuring rod, Retainer rod pusher, Ring Gasket, Bleeder valve and nipple, Motor adapter, Set of bolts and nuts, Lock-O-Ring bypass gauge.



Tapping Machines

PTM-5000 series

RAISED FACE (RF) ADAPTOR

Size		Class 150#			Class300#			Class600#		
inch	mm	Lb.	Kg.	Stock Number	Lb.	Kg.	Stock Number	Lb.	Kg.	Stock Number
14	350	260	118	PHA-5000-15-14	315	143	PHA-5000-30-14	510	232	PHA-5000-60-14
16	400	325	148	PHA-5000-15-16	415	189	PHA-5000-30-16	580	264	PHA-5000-60-16
18	450	550	250	PHA-5000-15-18	610	277	PHA-5000-30-18	730	332	PHA-5000-60-18
20	500	680	309	PHA-5000-15-20	790	359	PHA-5000-30-20	990	450	PHA-5000-60-20
22	550	873	397	PHA-5000-15-22	980	445	PHA-5000-30-22	1177	535	PHA-5000-60-22
24	600	1051	478	PHA-5000-15-24	1167,5	531	PHA-5000-30-24	1382	628	PHA-5000-60-24
26	650	1228	558	PHA-5000-15-26	1355	616	PHA-5000-30-26	1587	721	PHA-5000-60-26
28	700	1406	639	PHA-5000-15-28	1542,5	701	PHA-5000-30-28	1792	814	PHA-5000-60-28
30	750	1583	720	PHA-5000-15-30	1730	786	PHA-5000-30-30	1997	908	PHA-5000-60-30
32	800	1761	800	PHA-5000-15-32	1917,5	872	PHA-5000-30-32	2202	1001	PHA-5000-60-32
34	850	1938	881	PHA-5000-15-34	2105	957	PHA-5000-30-34	2407	1094	PHA-5000-60-34
36	900	2116	962	PHA-5000-15-36	2292,5	1042	PHA-5000-30-36	2612	1187	PHA-5000-60-36
38	950	2293	1042	PHA-5000-15-38	2480	1127	PHA-5000-30-38	2817	1280	PHA-5000-60-38
40	1000	2471	1123	PHA-5000-15-40	2667,5	1213	PHA-5000-30-40	3022	1373	PHA-5000-60-40
42	1050	2648	1204	PHA-5000-15-42	2855	1298	PHA-5000-30-42	3227	1467	PHA-5000-60-42



CUTTER HOLDER

Size		Stock Number
inch	mm	
12 - 42	300 - 1050	PCH-5000-1242



LS PLUG HOLDER

Size		Stock Number
inch	mm	
12 - 42	300 - 1050	PPH-5000-1242



HOTTAP, LINESSTOP CUTTERS & PILOT DRILL

Nominal		Standard Hottap Cutters			LineStop Cutters			Pilot Drills		
0 inch	0 mm	Stock Number	Lbs	Kg	Stock Number	Lbs	Kg	Stock Number	Lbs	Kg
14	350	PTC-5000-14	41,8	19,0	PLC-5000-14	48,4	22,0	PPD-5000-14	5,5	2,5
16	400	PTC-5000-16	61,6	28,0	PLC-5000-16	63,8	29,0	PPD-5000-16	5,9	2,7
18	450	PTC-5000-18	53,5	34,0	PLC-5000-18	83,6	38,0	PPD-5000-18	5,9	2,7
20	500	PTC-5000-20	84,0	38,0	PLC-5000-20	99,0	45,0	PPD-5000-20	6,6	3,0
22	550	PTC-5000-22	98,0	44,5	PLC-5000-22	125,0	56,8	PPD-5000-22	7,5	3,4
24	600	PTC-5000-24	125,0	56,8	PLC-5000-24	126,0	57,3	PPD-5000-24	8,0	3,6
26	650	PTC-5000-26	126,0	57,3	PLC-5000-26	156,0	70,9	PPD-5000-26	8,5	3,9
28	700	PTC-5000-28	156,0	70,9	PLC-5000-28	232,0	105,5	PPD-5000-28	10,5	4,8
30	750	PTC-5000-30	232,0	105,5	PLC-5000-30	275,0	125,0	PPD-5000-30	11,0	5,0
32	800	PTC-5000-32	275,0	125,0	PLC-5000-32	330,0	150,0	PPD-5000-32	15,0	6,8
34	850	PTC-5000-34	230,0	104,5	PLC-5000-34	395,0	179,5	PPD-5000-36	15,0	6,8
36	900	PTC-5000-36	395,0	179,5	PLC-5000-36	430,0	195,5	PPD-5000-20	18,0	8,2

