

80" Stroke – Ø8-24" capacity

Rev 1.1

A hot tapping machine used to make connections and branches to pipelines without shutdown either surface or sub sea (with optional kit).



- Helical geared drive
- Drive as close to cutter as possible
- 4 speed feed gearbox (optional)
- Fast traverse feed motor (optional)
- Cutter holders 8-24" included
- Interchangeable seal cartridge
- Industry standard connections

The Mirage MHT range is designed for ease of use in making 8 - 24" (203 - 610mm) taps into various material pipelines and tanks with the ability to fast traverse and vary the cutter feed rate.

Hydraulically operated with industry standard boring bar connection and flange adapter connection for existing equipment.

Access ladder and platform supplied for operator use.

Supplied complete with hot tap machine, and boring bar drive motor, lifting Brackets, (8 - 12"), (12 - 24") cutter holders, connection hoses, valves and pressure gauge, toolkit, all required mounting studs and nuts and #600 RTJ connection spool, ladder / skid, CE certificate, packing list and manual - pressure certificate for working pressure - 1480 psi (100 bar).

Technical Details

Minimum Tapping Hole Diameter	203mm	8"
Maximum Tapping Hole Diameter	610mm	24"
Maximum Operating Pressure	100 Bar	1450 p.s.i
Maximum Operating Temperature (continuous)	200°C	390°F
Cutting Stroke	2032mm	80"
Boring Bar Diameter	101.6mm	4"
Cutter R.P.M range	Min: 5	Max: 40
Drive Motor Output (Max power at 160 bar & 125L/min)	26.1 Kw	35 Hp
Hydraulic Supply Required for max power	125 L/min	33 Gal/min

Feed Rates

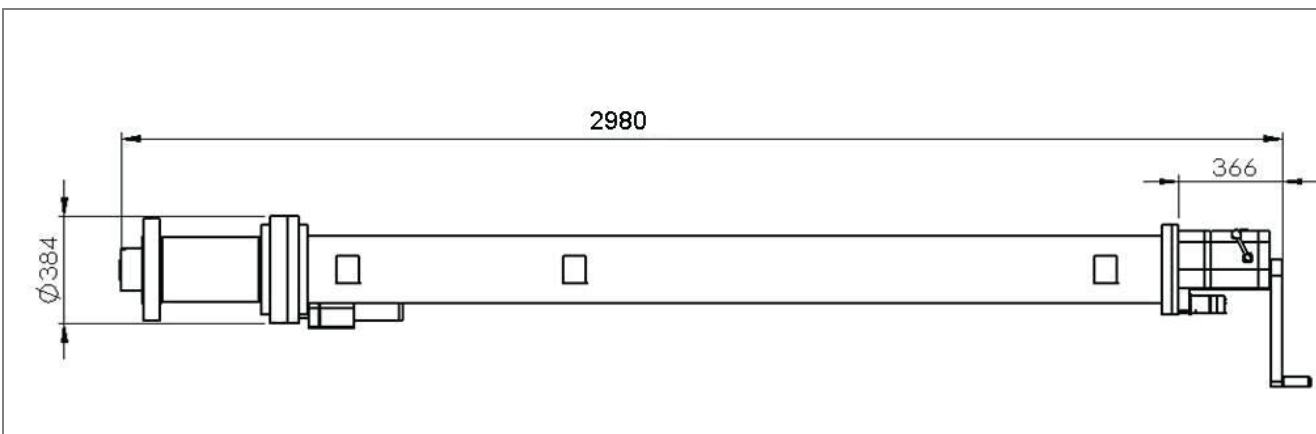
Feed Rate - Manual / Revolution	8.46mm	0.333"
Auto Feed Rate	0.076mm	0.003"

Weights and Dimensions

Machine Weight	1110 Kgs	2442 Lbs
Shipping Weight	1250 Kgs	2750 Lbs

Shipping Dimensions

Length		Width		Height	
mm	inches	mm	inches	mm	inches
3000	118"	930	36"	700	28"



Optional Accessories

PP4 Hydraulic Power Unit

MHT8-24-5-3
Plug holders
8-10" / 203-254mm
12lbs / 5.5kgs

MHT12-42-5-3
Plug holders
12-36" / 305-915mm
14lbs / 6.4kg

Standard Flange Adaptors

Nominal Size		ASME Class 150			ASME Class 300			ASME Class 600		
Inches	DN	lbs	kg	Part no.	lbs	kg	Part no.	lbs	kg	Part no.
8	200	99	45	150-8FA	130	59	300-8FA	136	62	600-8FA
10	250	128	58	150-10FA	174	79	300-10FA	193	88	600-10FA
12	300	170	77	150-12FA	232	105	300-12FA	268	121.8	600-12FA
14	350	240	109	150-14FA	255	116	300-14FA	354	161	600-14FA
16	400	280	127	150-16FA	315	143	300-16FA	510	232	600-16FA
18	450	329	149	150-18FA	363	165	300-18FA	560	254	600-18FA
20	500	416	189	150-20FA	465	211	300-20FA	730	332	600-20FA
22	550	425	193	150-22FA	567	257	300-22FA	925	420	600-22FA
24	600	612	278	150-24FA	786	357	300-24FA	1125	510	600-24FA

Standard Hot Tap Applications

Nominal Size		Actual Size		Standard Hot Tap Cutters			Standard Hot Tap Pilot Drills		
Inches	DN	Inches	mm	lbs	kg	Part no.	lbs	kg	Part no.
8	200	7.31	185.8	14.5	7	HTC8	2	0.9	SHTPD8
10	250	9.5	241.3	22.5	10	HTC10	2	0.9	SHTPD10
12	300	11.5	292.1	36	16	HTC12	2.5	1	SHTPD12
14	350	12.75	323	42	19	HTC14	5.5	2.5	SHTPD14
16	400	14.68	373	61	28	HTC16	6	2.7	SHTPD16
18	450	15.06	383	73.5	33	HTC18	6	2.7	SHTPD18
20	500	17	432	84	38	HTC20	6.5	3	SHTPD20
22	550	19	483	98	45	HTC22	7.5	3.4	SHTPD22
24	600	21	533	125	57	HTC24	8	3.6	SHTPD24

Standard Line Stop Applications

Nominal Size		Actual Size		Standard Line Stop Cutters			Standard Line Stop Pilot Drills		
Inches	DN	Inches	mm	lbs	kg	Part no.	lbs	kg	Part no.
8	200	7.87	200.03	16	7	LSC8	2	0.9	LSPD8
10	250	9.87	250.7	27	12	LSC10	2	0.9	LSPD10
12	300	11.81	299.9	40.5	18	LSC12	2.5	1	LSPD12
14	350	13.06	332	49	22	LSC14	5.5	2.5	LSPD14
16	400	15.06	383	64	29	LSC16	6	2.7	LSPD16
18	450	17	432	84	38	LSC18	6	3	LSPD18
20	500	19	483	98	45	LSC20	6.5	2.9	LSPD20
22	550	21	533	125	57	LSC22	7.5	3.4	LSOD22
24	600	23	584	135	61	LSC24	8	3.6	LSPD24