

**RESTRICTED ACCESS LOAD BEARING AND CONTIGUOUS/SECANT BORED PILING OPTIONS**

<b>GENERAL</b>							
<b>Typical Pile diameter (mm)</b>	<b>220/190</b>	<b>280/235</b>	<b>340/300</b>	<b>340/300 or 408/350</b>	<b>508/450</b>	<b>508/450</b>	<b>660/600 or 750/880</b>
<b>Max Pile Diameter (mm)</b>	<b>280/285</b>	<b>340/300</b>	<b>340/300</b>	<b>508/450</b>	<b>660/600</b>	<b>660/600</b>	<b>900/1080</b>
<b>Rig Type</b>	FF3 / TD308* both with Power pack	Fondedile FF4 / FF1	Fondedile FF5	Klemm 702 + Power pack	Hutte 203+ tracked powerpack	Klemm 709	Hutte HBR207
<b>Rig weight (tonnes)</b>	4.0 + 1.4/ 2.0 + 1.4	6.8 / 4.65	9.2	4.7 + 1.9	6.5	14	30
<b>Approx Plan Area of rig (m)</b>	3.4x 1.0/2.0 x 1.0	4.0 x 1.7 /3.8 x1.2)	4.6 x 1.9	4.0 x 1.9	5.2 x 2.0	5.5 x 2.4	7.5 x 2.5
<b>Headroom Options (m) – No winch on mast</b>	2.4*, 2.7 or 3.2	2.7 or 3.2	3.7	3.2 to 3.9	5m to 2.7 or 2.3m	4.2 or 5.0 or 9.0	5.0 or 15.0
<b>Mode</b>	Remote Electric Power Pack	Diesel or Electric	Diesel	Diesel or Electric	Diesel	Diesel	Diesel
<b>Max Pile Depth at typical dia. (temporary casing) (m)</b>	30 (12) / 23 (10)	30 (15)	30 (15)	25 (10)	20 (10)	30 (15)	40 (20)
<b>Artificial Obstruction Drilling capability (at typical dia.)</b>	Reinforced concrete steel timber etc.	Reinforced concrete steel timber etc.	Reinforced concrete steel timber etc.	Limited mass concrete/ brickwork only	Limited mass concrete/ brickwork only	limited mass concrete/ brickwork only	limited mass concrete/ brickwork only
<b>Distance to centre line of pile from vertical face (mm) - closed or winged auger guard</b>	350	350	350	500	500	500	1000
<b>Typical reinforcement / cage type</b>	Central bar plus 114.3mm to 139.7mm OD CHS	Central bar plus 139.7mm to 219.1mm OD CHS	Central bar plus up to 6No B25 with 220mm diameter B12 links	Up to 6No B32 with 220mm diameter B12 links	Up to 6No B32 with 300mm dia B12 links	Up to 6No B32 with 300mm dia B12 links	6No B32 with 450mm diameter B12 links
<b>LOAD BEARING PILES</b>							
<b>Target spacing (mm)</b>	600	750	900	900 or 1050	1350	1350	1800
<b>Max unfactored isolated axial pile capacity (kN)</b>	400	500	700	800	1000	1300	2200
<b>CONTIGUOUS BORED PILES</b>							
<b>Typical spacing (mm)</b>	275	350	425	425 or 500	600	600	900
<b>Typical service bending moment capacity per pile (kNm)</b>	25	35	55	55	140	140	250
<b>Comments</b>	Pali Radice Applications	Pali Radice Applications	Pali Radice Applications + Largest dia. available for obstruction boring	For 450mm diameter depth limited to 18 (6)			Can be converted into short 5m mast mode

Table generally refers to stage drill cast in situ bored piles as follows: **340mm** refers to temporary external casing diameter - **300mm** refers to augered or otherwise formed socket diameter in base founding stratum (e.g. clay or bedrock).

Above data is typical and dependent on specific site constraints and ground conditions