

RIG SPECIFICATIONS

	TPL1, Midi Piling Rig – Top Drive, Preformed	D1000 (Cobra), Mini Piling Rig – Bottom Drive, Cast-in-Situ	Grundomat Piles
Maximum pile capacity	500kN	100-500kN	100kN
Power	diesel/hydraulic free fall	diesel/hydraulic winch	diesel/pneumatic
Pile segments	1.5-7m	1.0-3.0m	1.2m
Maximum pile rake	1:3	-1:6 to 1:3	vertical only
Pile diameter	140-193mm or 200mm sq	150-323mm	150mm
Hammer Weight	2t	0.25-1.0t (0.25-.05t)	72kg
Hammer drop	up to 600mm	2-4m	300mm
Maximum hammer energy	11kNm	10kNm	200Nm
Leader height	11.7m+0.6m (low headroom available)	3.5+0.65m	No leader but maybe extracted by winch and frame up 2.5m.
Travelling height	3.5m	2.1m (1.877m)	As low as 500mm
Track width	0.6m	0.3m	NA
Track length	3.5m	1.75m	NA
Chassis width	2.85m	1.8m (0.788m)	NA
Chassis length	6.3m	2.5m (3.172m)	NA
Minimum clearance from pile centre	0.5m	0.4m	5mm
Typical noise level (varies)	85dB at 10m	85dB at 5m	85dB at 10m
Typical vibration levels (varies)	10mm/s	5mm/s	<5mm/s
Overall weight	19t	2.4t (1.7t)	72kg

