



Rig Type/ Model:	Concrete Coring (guns, rig attachments, dedicated rigs)	Hand Held Dynamic Probing light/Medium weight	Hand Held Window Sampling	BATS (Ballast and Trackbed Sampling)	LLAMR (Lightweight Limited Access Modular Rig) Window Sampling and Dynamic Probing	Window Sampling and Dynamic Probing (Competitor tracked rig)	Cable Percussive	Fraste PL-G
Transportation:								
to site:	Van	Van	Van	Van	Van	Van	Towed	Flatbed
around site:	Carried/Barrow/Track trolley	Carried/ Barrow	Carried/ Barrow	Track trolley or manually propelled on its double handled wheeled cart system	Carried/ Barrow	Tracked	Towed	Tracked
Dimensions (m)								
travelling (LxWxH) (m)	N/A	N/A	Longest part 1m rod	0.8 x 0.6 x 2.1	0.8 x 0.7 x 1.95	2.03 x 0.8 x 1.3	7.5 x 1.8 x 1.4	4.5 x 1.4 x 2.3
set up (LxWxH)	N/A	1.6m	0.5 x 0.5 x 1.5	0.8 x 0.6 x 3.3 (max)	0.8 x 0.7 x 1.95	1.86 x 0.8 x 2.75	4.6 x 1.8 x 6.65	5.65 x 1.4 x 4.5
Max drilling depth (in ideal conditions) (m)	4m hand held, 8m with rig and sufficient time	10m	10m	2.2m	12m (15m Dp-SH)	12m (15m Dp-SH)	40m-60m	60m
Weight (Kg)	varies	58	168 (heaviest part 35kg)	140	300	Tracked: 1100	2100	3650
Max noise (dBa)	105		108	115				
Fuel	Hydraulic or electric, both using petrol power packs	Petrol/Diesel	Petrol/Diesel	Petrol/Diesel	Petrol/Diesel/Electric	Petrol/Diesel	Diesel	Diesel
Jacking System	N/A	Separate	Separate	Integral	Separate	Integral	Integral	Integral
Air Compressor	N/A	Low pressure (custom)	Low pressure (custom)	N/A	N/A	N/A	N/A	Separate
Types of drilling								
Dynamic Probing - Light		✓						
Dynamic Probing - Medium		✓			✓			
Dynamic Probing - Heavy					✓	✓		
Dynamic Probing - Super Heavy					✓	✓		
SPT/ SPT ©					✓	✓	✓	✓
U38/ 70/ 100				✓	✓	✓	✓ + UT100	✓ + UT100
Borehole Casing				✓	✓	✓	✓	✓
Window/less Sampling			✓	Sampling to 2.2m max	✓	✓		✓
Piston Sampling							✓	
Solid/ Hollow stem Augering								✓
Rotary Open Holing								✓
Rotary Coring								✓
Extras								
Concrete Coring	✓			✓	✓	✓		✓
Water Flush								✓
Air/ Mist Flush								✓