

Technical Data – Combined Windowless Sampler & Rotary Flight Auger Rig



Maintaining the spirit of innovation and versatility which Southern Testing pride ourselves on, we are pleased to announce the arrival of our new Premier 110 RP series drilling rig.

Building on the lightweight, reliable and efficient platform of the Premier 110 dynamic sampling chassis, this machine adds a high torque rotary head, specifically requested by Southern Testing, which allows for flight auger drilling in diameters up to 5" (125mm). By using counter-threaded casing, this enables us to dynamic sample and flight auger on the same borehole location, increasing the range of drilling tools which can be used and thus removing some of the limitations that a traditional dynamic sampling rig might encounter on sites with granular soils over cohesive clay soils.

All of the traditional in-situ penetration testing options of a dynamic sampling rig, together with undisturbed U100 sampling, are maintained alongside these added capabilities. This allows us to conduct a more complex site investigation with a single rig mobilisation.

All rotating parts are fully guarded with interlocked access for ease of loading and switching between rotary and percussive systems takes less than 5 minutes.

Our Premier 100 RP is ideally suited for both environmental and geotechnical drilling & testing where there is relatively restricted access and is transported, with all equipment, on a 4x4 vehicle.

Specifications:

Dimensions (mm)		Travelling	Working
With extension & boxes fitted -	Height	1560	3500
	Width	800	800
	Length	2450	2450
Loads/Weights			
Ground Bearing Pressure		27KN/m2	
Weight		1260 Kg	
Rotary Head			
Pushdown		1000 Kg	
Pullback		2000 Kg	
RPM (max)		104 RPM	
Torque (peak)		140 KgM	

Note: All dimensions are approximate and should be checked prior to mobilisation to site

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