

SPARTAN RIG



SPARTAN PILING RIG

- The Spartan is a purpose-built remote-controlled hydraulic piling rig, designed and built for the installation of Sectional Flight Auger Bored Piles up to 350mm diameter and to depths of 20 meters
- The Spartan can carry out open Auger Bored Piles, using both temporary and permanent casing, up to a maximum diameter of 340mm, bored by a mast mounted rotary head delivering a torque of up to 10649Nm. The Spartan is capable of drilling using both Duplex and Odex techniques also drilling through obstructions and hard ground with Down the Hole Hammer (DTH) equipment. The hydraulic mast can be extended / retracted to permit piles to be installed in very limited headroom
- The rig is powered by a 55kw-74Hp water cooled engine which is towed behind the rig, this can be detached and relocated up to 40m from the rig during pile installation



SLEEK DESIGN

With the sleek design and retractable rubber tracks the Spartan has the advantage of achieving entry through standard doorways allowing the rig to carry out work in the restricted of areas.



CONTACT US

Clockhouse Nursery, Clockhouse East Lane
Egham, TW20 8PG

☎ 020 3124 1186

✉ sales@spartanpilingrigs.co.uk

🌐 www.spartanpilingrigs.co.uk



Contact Now

020 3124 1186

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SPARTAN PILING RIG SPECIFICATIONS

Technical Information		Specifications	
Remote Controlled	Yes	Torque Head	10649 (Nm)
Electric fuel pump	Yes	Rotation Speed	35 rpm/65 rpm on boost
Transport Height	1850mm	Drilling Diameter	350
Length: Rig	2008mm	Clamping Diameter	350
Length: Power pack	3042mm	Max Stroke	1400
Length: Overall	5050mm	Max Pullback Force	40 kN
Working Height Maximum (minimum)	3000mm (2200)	Drive Track	Rubber
Machine Width maximum (minimum)	1200mm (750)	Specific Ground Pressure	47 kN/cm ²
Power Pack Width	1500mm	Typical Noise Level	85 dB
Power Pack Height	1590mm	Crowd Force	15 kN
Machine Weight	1800kg	Engine	HATZ Water Cooled 55kw EU Stage V, EPA Tier 4 final
Power Pack Weight	1600kg		
Combined Weight	2900kg		
Water Cooled Engine	55KW=73hp		
Torque	16000N		

Weights & Dimensions	
Transport/ Tracking Height	1850mm
Transport/ Tracking Width	1200 (750)mm
Transport/ Tracking Length	5050mm
Transport Weight	2900kg
Operating Height	3m max (2.2)
Operating Length	2008mm
Power Pack Height	1590mm
Power Pack Width	1500mm
Power Pack Weight	1300kg



Drilling Capabilities			
Auger	200mm	300mm	350mm
Casing	240mm	340mm	-
Max drill depth	16m	16m	14m
Max casing depth	7m	5m	-

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