

www.roger-bullivant.co.uk

DRIVEN PRECAST CONCRETE PILES

Driven precast concrete piles are the most versatile, cost-effective deep foundation solution and suitable for most ground conditions, including soft soils, made ground, and contaminated ground. RB precast concrete piles are manufactured at our state-of-the-art manufacturing facility in Derbyshire in varying segmental lengths to reach required depths. Unlike a conventional bored pile, this piling technique does not produce any spoil.





DESCRIPTION

Driven precast concrete piles are commonly used in all types of structures and foundations, from residential, commercial, and industrial buildings.

Driven piles can also be used for all types of civil engineering applications from bridges to embankment support, power and transmission towers, and rail-related structures, and can be the most cost-effective deep foundation solution.

This method often represent the most-cost effective deep foundation solution and may be adopted where the prevailing ground and groundwater conditions may preclude the use of bored cast-in-situ pile, for example in very soft soils or where artesian groundwater is present.



APPLICATIONS



Brownfield Sites



Small to large complex projects



Non-cohesive and cohesive soils

ADVANTAGES



Saves time



Quiet installation



Cost effective



Bespoke geotechnical design



Zero spoil



Manufactured in-house



Immediate follow-on construction

INSTALLATION

RB precast concrete piles are top driven using our remotely operated quiet hydraulic drop hammers.

Our fleet of driven piling rigs are designed in-house to achieve lower bearing pressures than most commercially available machines, providing economy to piling platform.

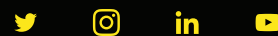
All piles are manufactured to BSEN:12794, ISO 9001, and CE Accreditation, in varying segmental lengths combined to reach required depths.

This piling technique is compatible with RB's precast foundation package solution.

TECHNIQUE CAPABILITIES

SPECIFICATION	FROM	TO
Standard pile size	200mm	300mm
Typical load capacity	100kN	800kN
Practical depth	3m	40m

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