



AARSLEFF

MINI PILING

5 EXAMPLES THAT WILL BENEFIT YOUR PROJECTS

FIRST, GET TO KNOW THE TYPES OF MINI PILING

Mini Bottom-Driven Piling

is efficient and suitable for most ground conditions. A closed-ended thin walled steel tube is driven in lengths of between 2m and 6m using an internal drop hammer on to a dry concrete plug. The tubes are joined by a full but non-structural fillet weld as the installation proceeds until the pile is driven to a predetermined set or design length criteria. Once the required depth is reached the tube is filled with high slump concrete or grout and a single bar or cage is inserted.

Augered Piling

is generally used in cohesive soils where segmental augers are rotated into the ground and the soil being penetrated is flighted to the surface by the augers. Where the ground is unstable, temporary casings can be installed in conjunction with the augers to progress the bore. This technique is particularly time efficient and cost effective where open boring is possible.

Sectional Flight Auger (SFA)

is used in low head room or very restricted job sites where using a CFA rig is not possible. The piles are formed with the use of sectional lengths of hollow stem continuous flight auger. SFA is typically considered for use in all unobstructed ground conditions.



Extend Outbound Areas

Mini piling systems enable home developers to create extensions to homes in tight spaces that would have been out of bounds.

Unfavourable Ground Conditions

With various applications, mini piles can be used as replacement of traditional footings for new build houses and factories when ground conditions become unfavourable.

Strengthen Structures

Mini piles can also be used to strengthen existing structures such as bridges, retaining walls and floor slabs.

Restricted Access Zones

limited space or restricted access to the site can pose issues, especially when transporting vehicles, and delivering large equipment and materials. Mini Piling is a good solution to solve this.

Environmentally Friendly

Mini piles use less concrete and steel than other piling systems, so reducing the foundation carbon footprint. Also, causes minimal disturbance/vibration to adjacent structures during the installation.

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