

AB CHANCE Helical Pulldown Micropile® is a high capacity screw piling system which has the advantage of using lightweight machinery with no resulting spoils to be removed, offering safe, quick and clean construction. Ground Sun Ltd are the sole distributor in the UK and Europe for the US manufactured AB CHANCE® helical piles

Applications:

- new build houses
- restricted access sites
- house extensions
- temporary works
- underpinning subsidence
- bridges, rail, civil construction
- Good for difficult ground conditions eg high water table or made ground

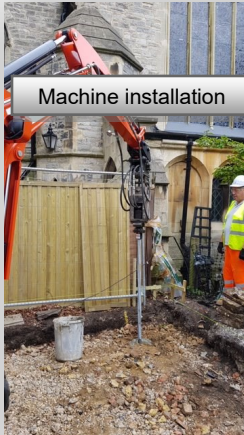
Handheld installation



Advantages:

- No spoil removal
- No vibration or noise
- No piling mat
- Tree root friendly
- Great for restricted access sites: if you can walk there we can pile there
- Faster construction
- Can be installed in any weather
- Solid steel, up to twice as strong as standard screw piles as it is a friction pile as well as end bearing
- Safer way to underpin buildings with subsidence or relevel using hydraulic jacks

Machine installation



Screw Pile Section



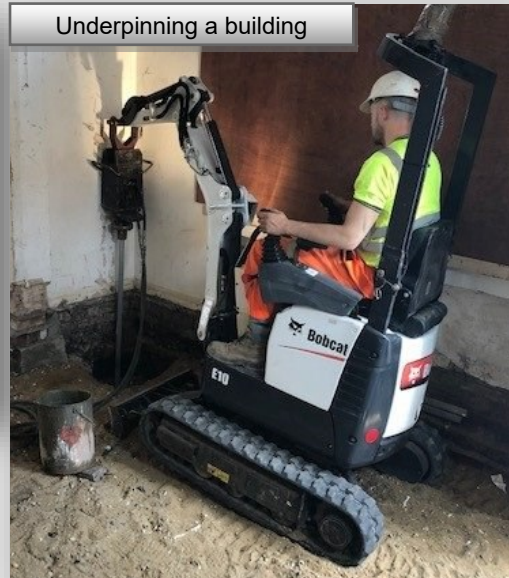
Installation:

- A handheld or machine mounted hydraulic drive head is used to install the AB Chance solid steel lead section into the ground, normally 2m long with 3 helices 200mm, 300mm and 350mm diameter
- A reaming plate is installed to the top of the lead section and an extension shaft is attached and the helical screw pile is rotated clockwise, the pile pulls itself downwards
- A flowable grout fills the void around the extensions
- Torque is measured and applied until the necessary load capacity has been achieved using torque correlation method
- The helical screw pile shaft is then terminated and a new construction bracket is attached ready for ring beams or slab to be installed.

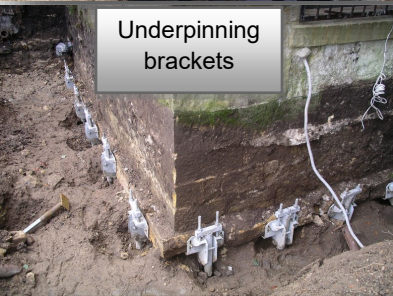
Pile foundations for new build



Underpinning a building



Underpinning brackets



Our AB Chance piling system is a Local Authority Building Control (LABC) approved screw piling system for anywhere in the UK

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registered
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Registered Details