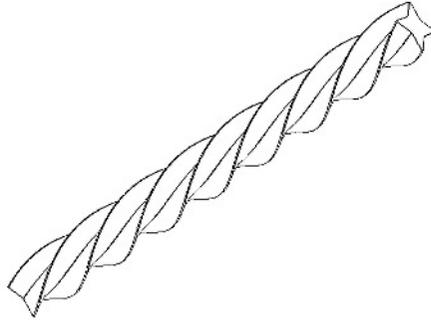


QUADRAPIKE



64mm QuadraPile Installation Guide

QuadraBuild Ltd

Buy from our online shop: www.QuadraBuild.com/shop

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Parts Identification



500mm x 64mm section of
QuadraPile



Head protector washer
and M12 setscrew



QuadraPile driving adaptor

In addition to the specialist QuadraPile parts shown above, you will also need:



Tape measure
& marking pegs



19mm socket
& handle



Electric, pneumatic or hydraulic breaker to take
32mm hex tool - available to hire at most hire shops

Help & Advice

The 64mm QuadraPile is generally suitable for loads up to 50kN (5T) per pile, depending on the ground conditions, and can be used as per the standard details available on our website.

The 100mm QuadraPile can be used for larger loads.

Project-specific design should be checked by a structural Engineer or QuadraBuild staff.

If you need any advice, please give us a call or send us an email.

Disclaimer

1. This guide is provided on the basis that the installer has an understanding of Health and Safety legislation and practice and has experience in carrying out similar work.
2. It is the responsibility of the installer to ensure safe practices are followed.
3. No responsibility will be taken for damage caused to any property as a result of the use of our products, including underground services - the installer should check for these prior to installation.

1.



Set out the pile positions using drawings. Check & scan at each position to confirm that no buried services are present. If deemed necessary, use a spike to drive a pilot hole to the required depth.

2.



Take an initial section of QuadraPile. Fix the pile head protector washer to the top of this section.

Note: the end of the pile with the protruding stud should normally be driven into the ground first so the end with the threaded hole will be the 'top'.

3.



Position the first section of QuadraPile at the required location or into the pilot hole if this is being used.

4.



Fit the driving adaptor into the breaker and lift the breaker so that the adaptor fits over the washer and top of the pile.

5.



Drive the first section into the ground. Ensure that it remains at the angle required (usually vertical) as it is driven. The pile will rotate as it is driven, due to its shape. Drive until either the tool reaches the ground or the required depth/top height of pile is reached.

6.



Lift off the breaker and remove the head protector washer from the top of the pile.

7.



Screw the next length of QuadraPile onto the top of the existing QuadraPile using the connector stud / threaded hole.

8.



Fix the pile head protector washer to the top of this section and drive this section into the ground. Repeat these steps as many times as required to achieve the required depth of pile.

9.



When the required depth is reached, the driving tool should be stopped as close as possible to the final height. It is sometimes preferable to drive each pile slightly lower (3-5mm) than required and then pack the top using shims.

10.



Remove the head protector washer from the top of the pile. Either use the threaded hole in the top of the pile to connect to the structure above (using steel brackets as shown below for example) or cast the top of the pile into concrete to create a pile cap.



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