



Pergola

Technical Bulletin TB004

Foundation Guidelines

- Concrete • Paving Slabs • Decking • Loose Aggregates

Please read this document carefully
prior to arranging an installation

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IMPORTANT: Keep this bulletin for future reference.

1. Pre-installation

IMPORTANT: Before considering any groundwork, choose the size and location of the pergola you will be installing. Footprint and product dimensions are provided within this document, enabling you to understand where the concrete footings must be placed.

NOTE: We recommend a 400mm³ concrete footing under each foot for optimum results. If a paved patio or timber decking already exists, the ground below will need to be inspected to ensure suitability for installation. If the ground is unsuitable, concrete footings must be laid and the existing decking or patio re-installed on top. This ensures a secure and stable base on which to fix the pergola.

When laying concrete footings, careful consideration should be paid to the fall of the existing surface. According to building regulations, a maximum fall of 1:80 (12.5mm for every metre) is tolerated to allow for surface water drainage. Any greater fall than this will lead to non-compliance with regulations. If there is any doubt, we recommend seeking professional advice. The concrete footing should be constructed solid and level, ensuring a stable base to secure the pergola feet. Should the concrete footings not be level, additional shim kits can be purchased before installation. It is important to note that if you plan to install retractable blinds to your pergola, the maximum fall of each leg cannot exceed 10mm. Otherwise, this may impede the smooth operation of the blinds.

External Dimensions

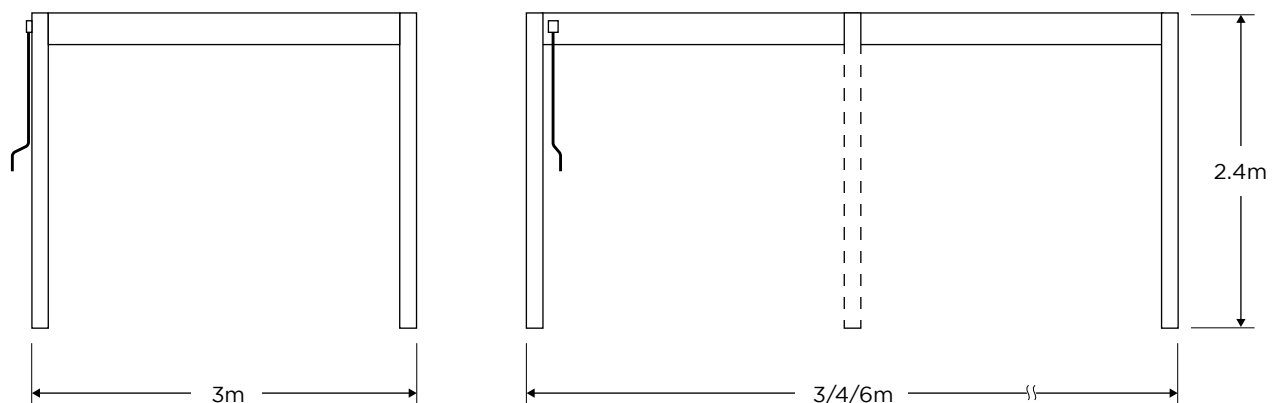


Fig.1

If you have any further questions, please call our customer service on: +44 (0) 1889 272 056

2. Ground Fixing Methods

Each pergola comes supplied with a ground anchoring kit. This includes 80mm stainless steel expansion bolts, suitable for concrete footings. Note the quantity may vary depending on the size of each shed.

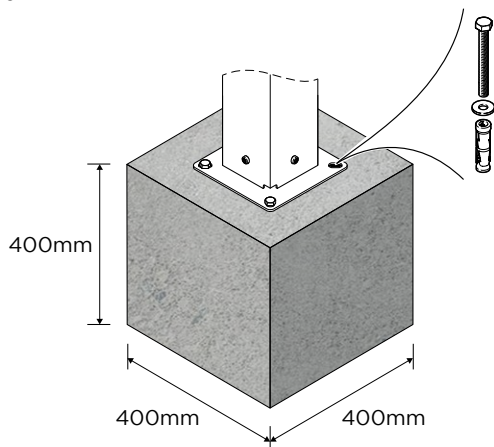


Fig.2

400mm³ Concrete Footing

If there is any doubt about the levelness or stability of the surface your pergola will sit on, we recommend installing 400mm³ concrete footings. These can be installed in conjunction with any of the surfaces below.

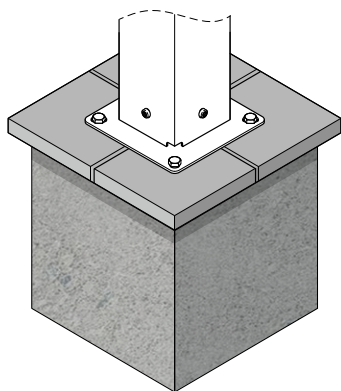


Fig.3

Patio Slabs or Block Paving

Where the groundwork is unknown, we recommend lifting the existing patio and laying 400mm³ concrete footings for each pergola leg before re-laying the existing surface.

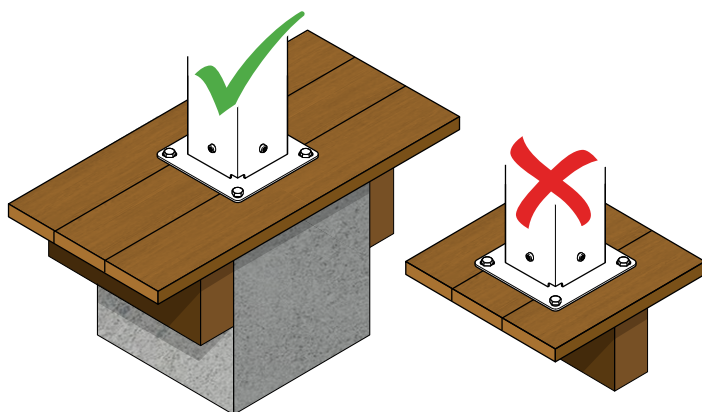


Fig.4

Decking

Due to natural movement in timber and composite materials, a pergola should not be installed directly to decked areas. Instead, installing 400mm³ concrete footing under the decking surface ensures a robust and stable base on which the pergola will sit. If there is any doubt, we recommend seeking professional advice.

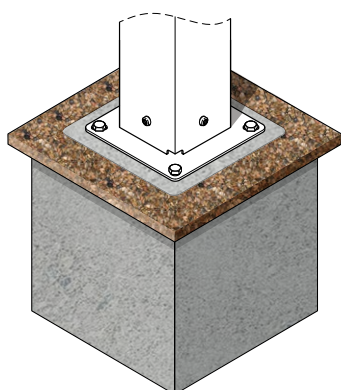
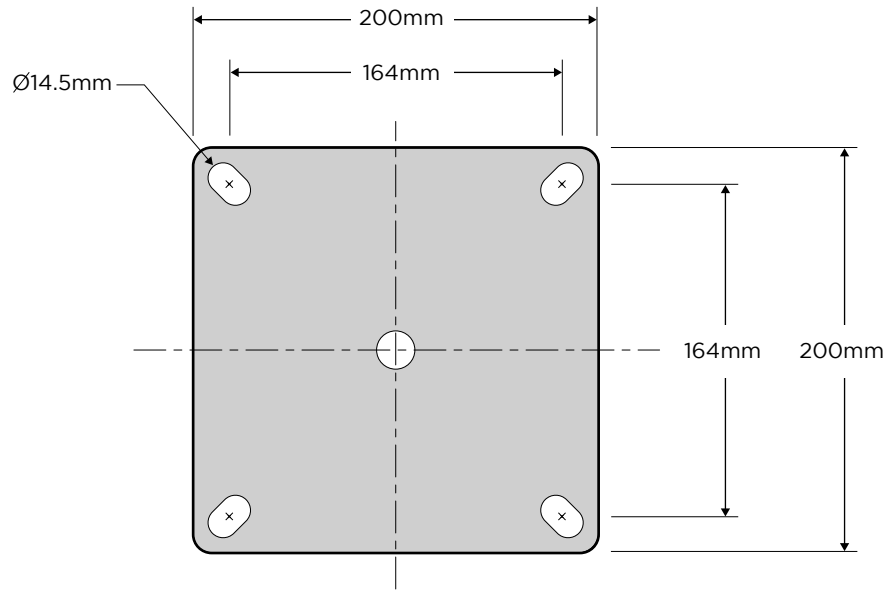


Fig.5

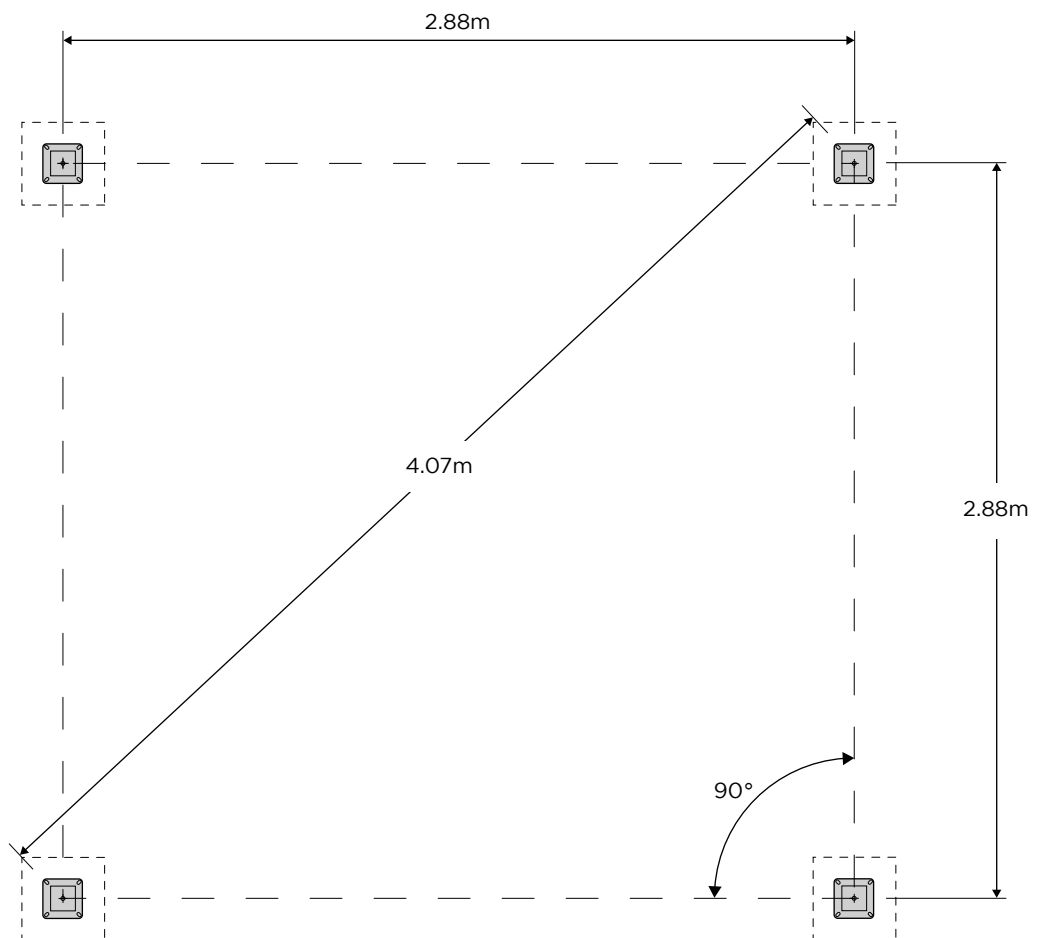
Loose Aggregates

A pergola should not be installed directly onto loose aggregates. When installed onto loose aggregates, a 400mm³ concrete footing should be situated beneath each pergola foot.

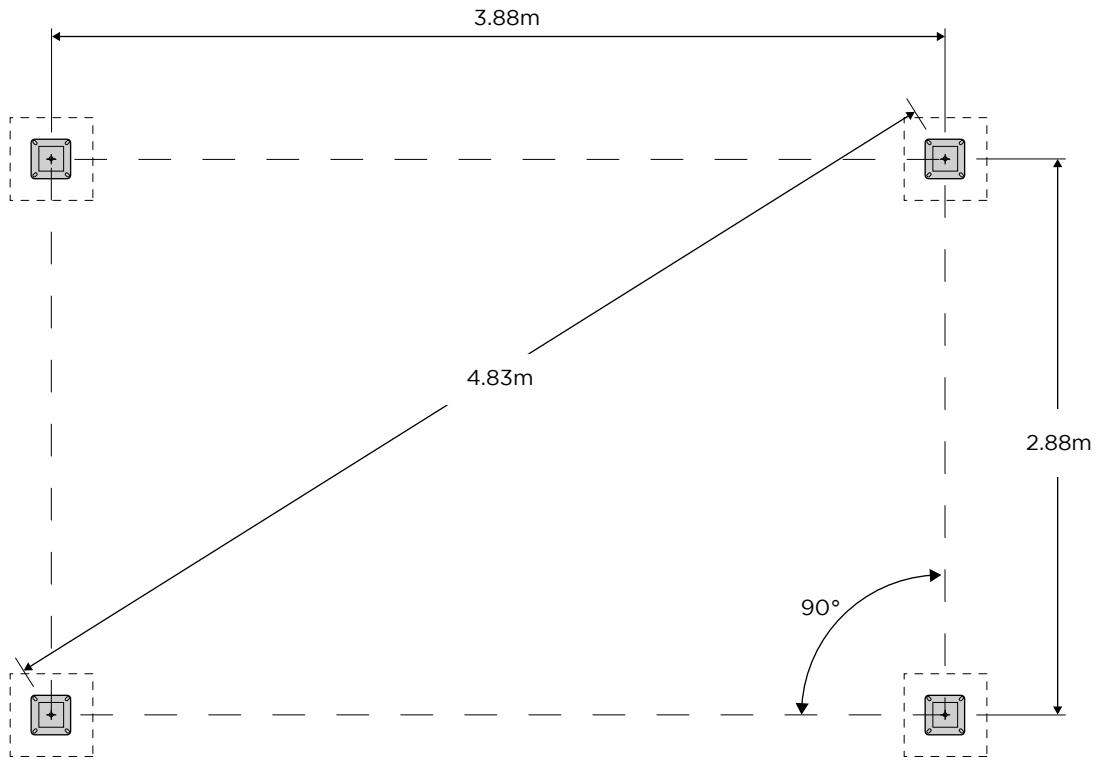
3. Foot Plate



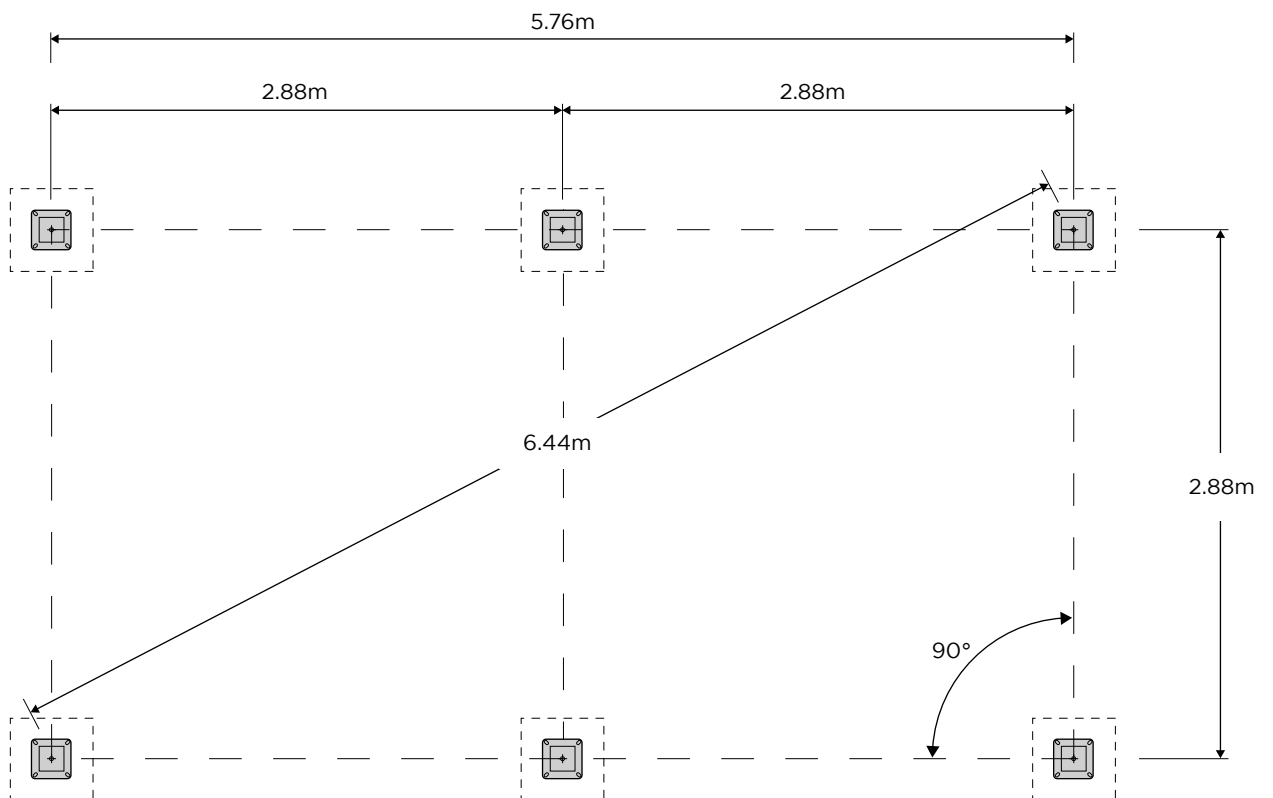
4. Pergola 3 x 3 Footprint



5. Pergola 4 x 3 Footprint



6. Pergola 6 x 3 Footprint



7. Foot Shims

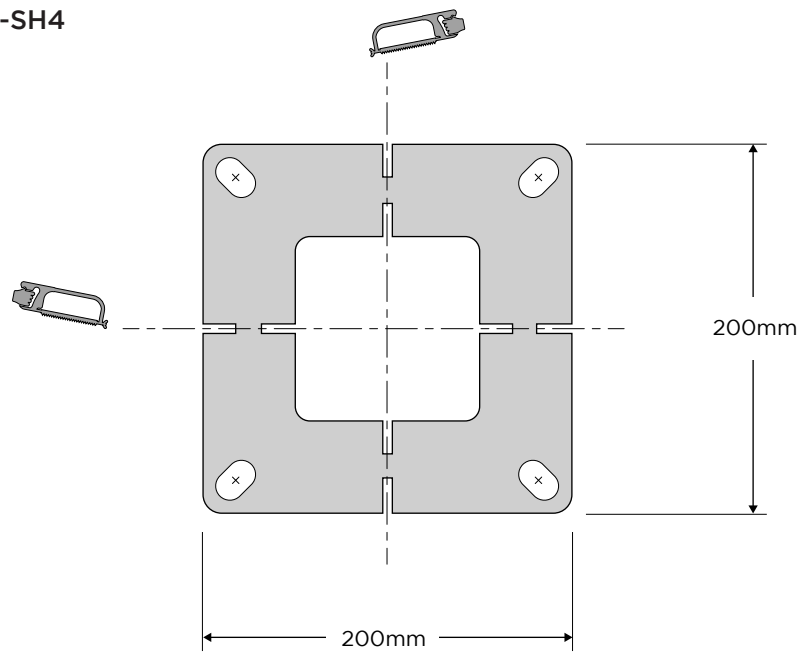
Foot Shim Kit

•Product Code: 0230-SH4

•Kit Contains:

2 x 2.5mm thick

2 x 5.0mm thick



8. Foot Shim Installation

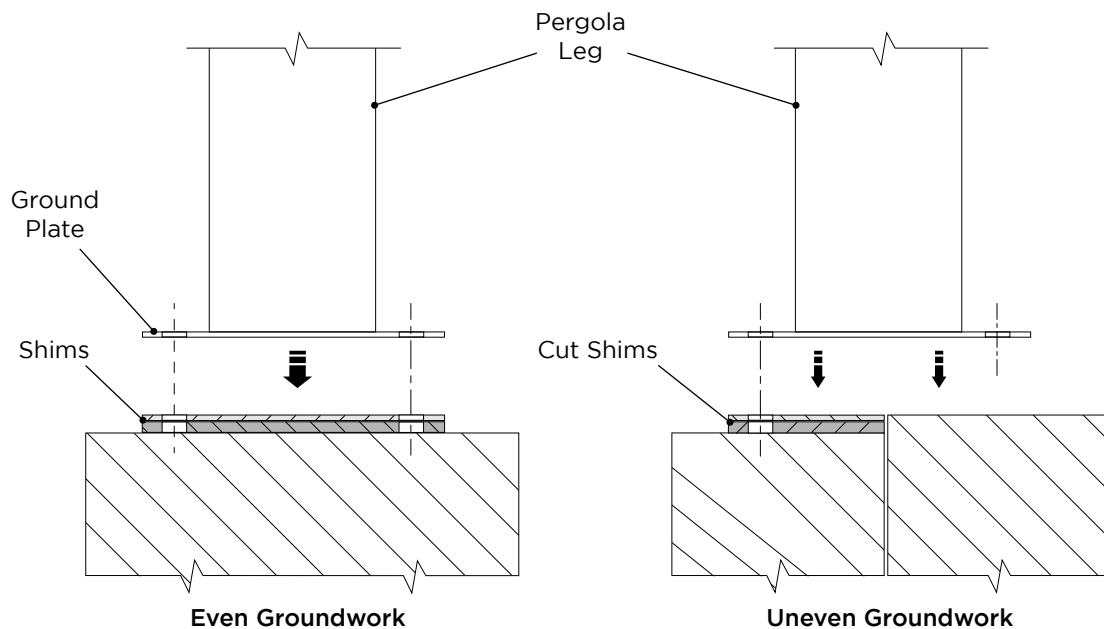


Fig.6

To deal with uneven groundwork, foot shims may be installed to create a level surface. The foot shims have been designed to easily be cut to size and shape to aid the installer.

