

Installation Procedure

Your Eclipse umbrella comes fully assembled in the box that it is delivered in. Once you have fixed the spigot correctly you may lift the Eclipse umbrella onto the spigot. This is recommended as a two man operation.

Prior to fixing the spigot in place please read this important information.

Rotation of the spigot

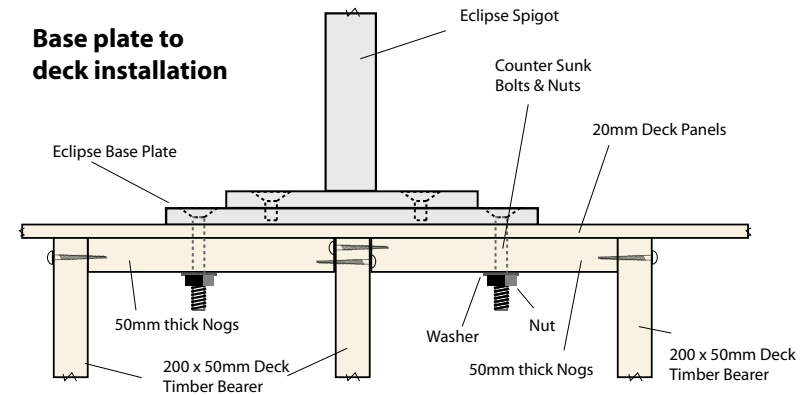
Your Eclipse umbrella can rotate 360 degrees and be locked in 16 different locations. This means that every 22.5 degrees of rotation there is provision to lock the umbrella. In most situations there will be a table and chairs, sun-lounger, play area etc. over which you usually want shade without rotating the umbrella. To ensure you retain the ability to shade your preferred position you must have one of the 22.5 degree rotation locking holes in line with this position. There is a locking hole in line with each of the 4 screw holes in the spigot base. There are three intermediate holes between each of the screw holes and these are marked with an indicator mark in the spigot base. To retain a symmetrical installation it is best to aim a screw hole in your usual preferred direction.

Fixing the spigot

There are 3 installation alternatives. Select which suits your situation.

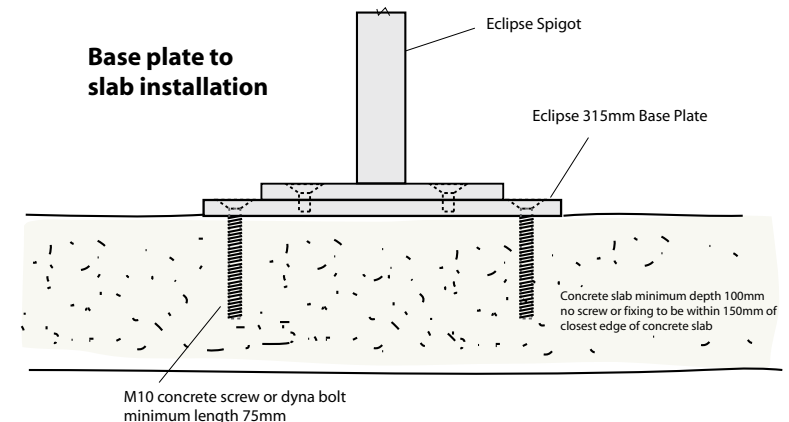
(1) Fixing the spigot to a timber deck: If you wish to locate your Eclipse umbrella onto a timber deck then the following installation method should be adhered to. **Your spigot must be bolted to the frame of the deck and not only to the deck planking.** You need to fasten 1 or 2 "nogs" or "dwangs" or "braces" between the deck joists or bearers that form the structural frame of the deck. It is suggested that 2 nogs of 10 cm by 10 cm timber braces or 1 nog of 20cm by 10 cm timber brace be secured hard up under the deck planking and between the deck bearers and fasten these braces to the deck frame with suitable fastenings. These may be large galvanised nails, Z nails, builders brackets or similar. The spigot should now be set in the required position and bolted through the deck planking and the fixed braces by using 10mm x 150mm stainless bolts and nuts with a large washer on the underside.

Important: Prior to fixing the spigot to the deck please ensure you have read the paragraph above "Rotation of the spigot". You may fix the spigot directly to the deck however you may also utilise a deck plate (optional extra) to fix your Eclipse umbrella to the deck. The reason for using a deck plate in this installation is so that you can remove the spigot easily should you wish to for seasonal use or security reasons. In brief you bolt the deck plate to the deck with countersunk fixings and then you bolt the spigot to the deck plate with the 4 easily removed stainless steel 10 x 23mm screws supplied with your deck plate. In this case you still need to ensure one spigot screw hole is directed in your preferred direction and the deck plate installed underneath the spigot in a rotational position to suit.



(2) Fixing to a concrete slab: When installing your umbrella on a concrete surface you may fix the spigot to the concrete using 4 concrete screws or fastenings. (See earlier paragraph "Rotation of the spigot"). It is however recommended that when fixing to concrete that you fix a deck plate to the concrete first and then with the 4 stainless steel screws provided attach the spigot to the deck plate. The reason for this is that should you wish to remove the umbrella and spigot for any reason, say seasonal or security reasons, you can remove the spigot easily and leave only the deck plate fixed to the concrete which is a permanent fixing.

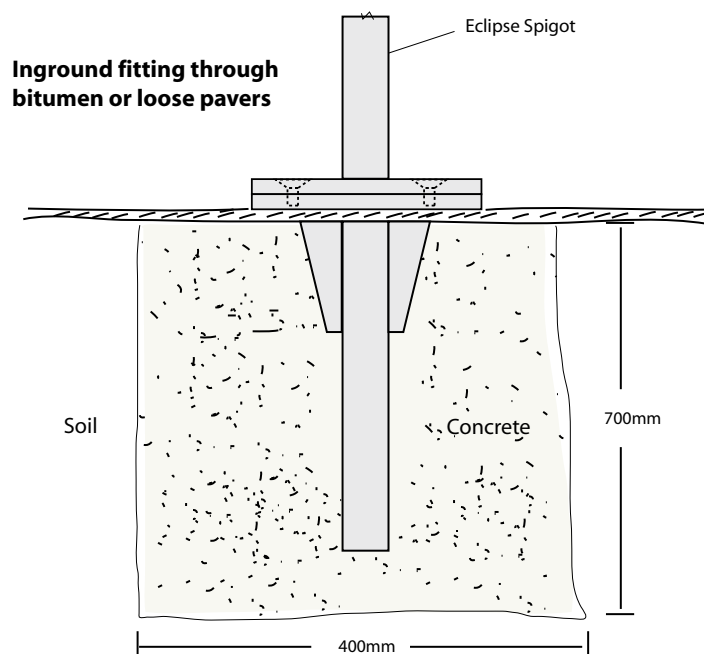
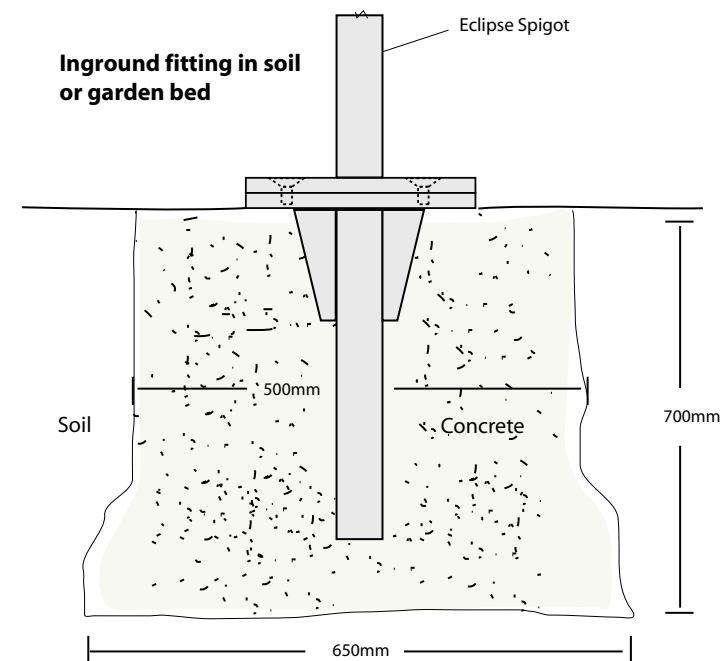
Important: When installing a deck plate first and then the spigot screwed on top you still need to direct one of the spigot screw holes in your preferred direction. In this case the deck plate is installed under the spigot in a rotational position to suit.



(3) Fixing in lawn, soil or patio: When installation is required in soil or sand etc. then an in-ground fitting must be used. This is a galvanised steel fitting which must be concreted into position. Because terrain differs from thick clay to sand or fine soil then a different sized hole must be prepared and a different volume of concrete used. As a guide only a hole 50cm by 50cm by 70cm deep is a minimum requirement for heavy clay terrain. Even then a post hole borer can be used to deepen the centre of the footing. When pouring the concrete it is advisable to drop a few lengths of re-inforcing steel bar into the hole to prevent the concrete from cracking. Remember that depth of hole is better than width and it is much easier to make the hole over size than to try to re-stabilise the in-ground fitting should it start to move over time. If applicable patio tiles have to be removed to facilitate this in-ground fitting and then cut to suit when replaced.

Important: Please read "Rotation of the spigot" before commencing installation. Because the screw holes in the spigot and the in-ground fitting are identical you should aim one of the screw holes in your preferred position. Also ensure the in-ground fitting is level in the concrete. Allow adequate time for the concrete to cure before using.

Tip: To ensure that concrete slurry does not come up the 4 threaded holes in the in-ground fitting it is advisable to insert the 4 screws into the in-ground fitting and stick some tape over the underside of the holes.



Stand the Eclipse umbrella vertical: Recommended as a two person operation. Once your fixing is complete the umbrella can be placed over the spigot and lowered into position. In the top of the spigot there is a groove into which a spring loaded pin will position itself just before the umbrella seats on the nylon indexing shield. You should not have to assist this pin into position but be aware of it should the umbrella not seat totally. This pin is to ensure that the umbrella cannot lift off during high winds. Whenever you remove the umbrella from the spigot you will have to pull this pin out to extract the pin from the groove so that you can lift the umbrella off.

If the umbrella is being installed for the first time, ensure all packaging and wrapping material has been removed. There may be some wrapping material on the canopy arms underneath the fabric canopy – partially open the umbrella and get in underneath the fabric canopy to remove all of this wrapping before fully opening the umbrella.