

## Directions For Ground Support Use C.C.A.® Memorial Ground Anchor

This support requires no adhesive/cement. It locates within the holes "Dry". This enables the simple removal and re-fixing of the memorial and foundation. The support is also removed and re-used when required.

**Requirements;**

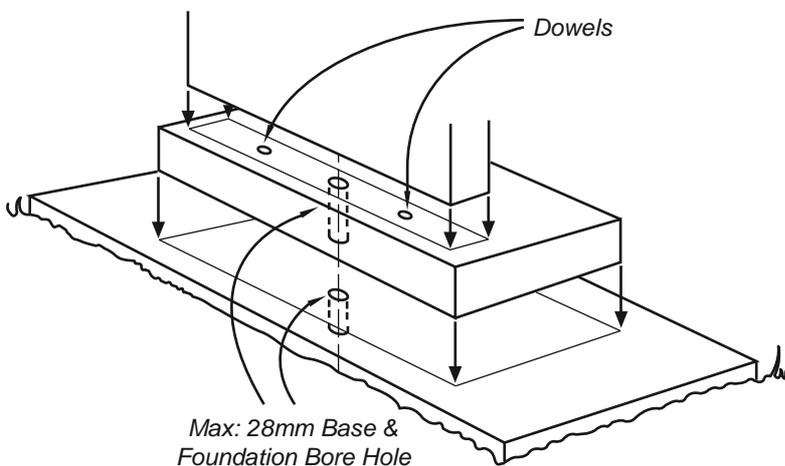
**BASE = Single 28mm hole.**

Centrally positioned side to side, underneath the memorial plate.

In effect a 3rd dowel hole.

**FOUNDATION = Single 28mm hole.**

Centrally positioned side to side, corresponding to the base support hole, when correctly aligned, front to rear.



**TRADITIONAL CEMENT PLATE/BASE FIXING.**

Once the foundation is in place;

Spin the washer onto the support rod to the required position, (ie; the thickness of the base). Drive the support rod into the ground through the pre-set hole in the foundation until the washer meets the foundation top. Ensure the distance from the washer to the end of the support rod is not more than the base thickness.

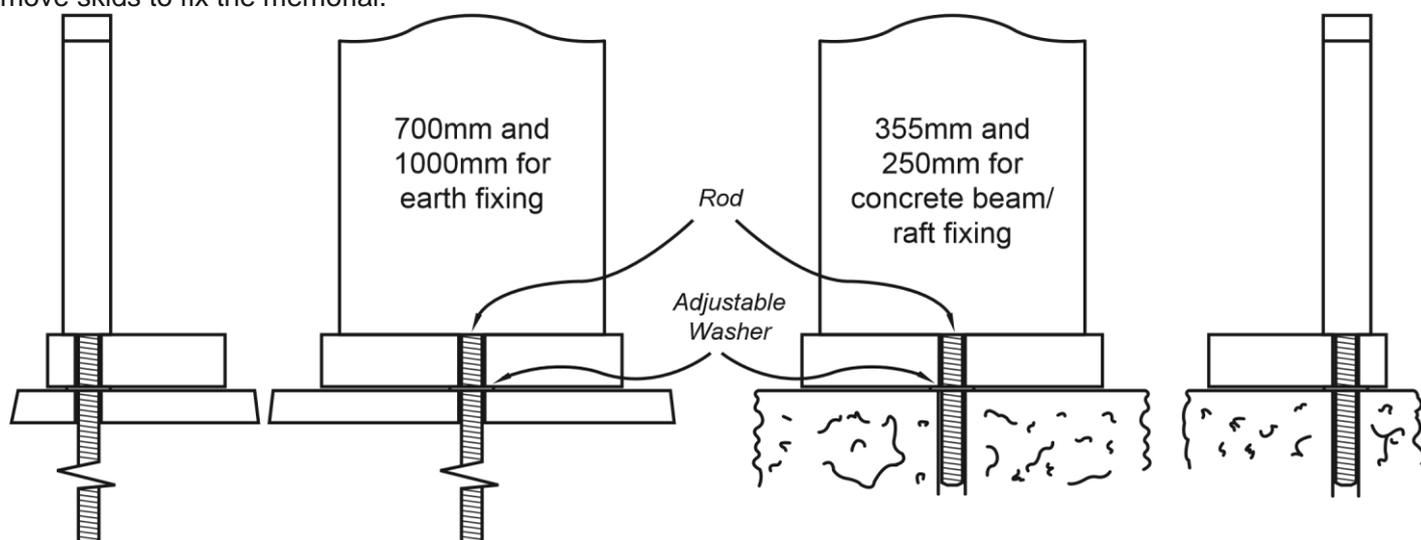
Position the base over the support and fix the base as normal, keeping adhesive away from the support components. Cover the base support hole with waterproof tape to stop any adhesive entering and continue to fix the plate as normal.

**BOLTED PLATE/BASE FIXING - OR - REFIX WITH PLATE/BASE ATTACHED**

Once the foundation is in place; Follow the above, paragraph 1 only, then: -

Position the whole memorial on wooden skids above the support and lower over the support rod by reducing the skid sizes, removing the skids to fix. Alternatively, slightly lower skid sizes may be used and the memorial may be "slotted" over the support rod onto the skids, then, reduce / remove the skids to fix the memorial.

A further unique alternative is to raise the support up into the memorial base by the method of spinning the washer up or down the support rod, this enables you to locate the support into the base from underneath, and avoid lifting the memorial: - Drive the support through the pre-set hole in the foundation as above but leaving only approx. 1" exposed beyond the washer. Position the memorial over the support on 2 x 3" high skids, this allows you hand clearance underneath. Lift the support by inserting a pinch bar under the washer and raising it, spin the washer back down and repeat. Using this procedure, you can locate the base support hole, align the memorial over it, continue raising the support as before until the rod meets the memorial plate. Spin the washer up so that it meets the bottom of the memorial base, this ensures the correct positioning of the support components regarding base thickness. Reduce / remove skids to fix the memorial.



The above are suggested methods only, every mason will utilize and incorporate their own methods of working practice.

With every authentic C.C.A.® product a self-adhesive label is supplied. These are for the use of the retail memorial supplier /contractor to use on client invoices or literature. They may be photocopied once applied and we recommend this to prove authenticity and to assist everyone, should trace procedures be required. Alternatively, you may keep a copy of the registered number (from the top right hand corner of the sticker) with the memorial details. Each support is given this individual number. It provides details of that support. Size, manufacture, year, batch and to whom supplied etc. In addition, every authentic support component is permanently marked.

C.C.A.® components are manufactured and distributed according to BS EN ISO 9001-2000 registration requirements. All appropriate specification information and guarantees are given in good faith. The guarantee of this product extends solely to the company recorded as the user. The suppliers cannot be held responsible for any and all matters arising whereby the operative has not adhered to the specifications as advised.

**It is the responsibility of the user to ensure that correct procedures and staff training are employed to use this product.**

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### **C. C. A. ® and N. A. M. M. Accreditation / Categorisation**

Following a series of testing to N.A.M.M's own category criteria you are advised as follows:-  
The C. C. A. Memorial Ground Support is classed/accredited as a = Rigid System

Base size 3" nominal

(Support tested with a 2<sup>3</sup>/<sub>4</sub>" = 70mm minimum protrusion up from the foundation top)

**One Support = Category A = General Stones up to 36" (3ft) height.**

Base size 4" nominal

(Support tested with a 3<sup>3</sup>/<sub>4</sub>" = 95mm minimum protrusion up from the foundation top)

**One Support = Category B. = General Stones 36" to 48" (4ft) height.**

**Two Supports = Category C. = General Stones 48" to 60" (5ft) height.**

**Three Supports = Category D. = General Stones 60" to 72" (6ft) height.**

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**One Support = Category E. = 2" Thick - Upright Granite Memorials (Cremation Memorials).**

A mini version of the Lawn style memorial

Base Size 2" nominal thickness

(Support tested with a = 1<sup>7</sup>/<sub>8</sub>" (48mm) minimum protrusion up, from the foundation top). Reduce the bore holes for the support (normally 28mm) - to 25mm.

**Remember 2" Base Memorial up to 30" high = 25mm Holes.**

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**Optional:** - The top of the foundation (or the underneath of the base) may be recessed to accommodate the washer. Although never tested with this recess, some masons prefer to fix in this manner. The correct protrusion up from the foundation top must still be maintained, by simply adjusting the washer to suit.