



## Using the Lockdown Fixing and Memorial Safety System.

The Lockdown system is a mechanical memorial safety and fixing system for cement-free fixing (joints may be pointed with a weak cement mix if required). It enables the memorial to be quickly and easily dismantled for removals or inspection purposes. The system has been designed to meet current NAMM, BRAMM and BS8415 requirements. It creates a compression joint between the memorial base and the foundation restricting lift of the memorial on the foundation to a minimum.

The system is designed for use with a memorial having a flower container hole of between 90 and 105 mm diameter. It can be used with a single off-centre flower hole in memorial bases up to 915 mm wide (36"). The distance between the side of the flower container hole and any edge of the base must not be less than 38 mm (1.5"). The sleeves and expansion bolts are available in a range of sizes to suit all applications (sleeves are between 3 and 8 inches in length, expansion bolts between 4 and 6 inches).

### Fixing on a Stable Foundation

- (1) Place the memorial in the required position on the foundation.
- (2) Drill a 20mm diameter hole in the foundation on the centre line of the container hole.
- (3) Push the expansion sleeve into the hole.
- (4) Place the Lockdown sleeve in the flower container hole. Rotate the liner until the slot in the base of the sleeve lines up with the bolt hole. The off-centre slot allows the memorial to be accurately aligned prior to final fixing.
- (5) Place the bolt through the slot and screw into the expansion sleeve. Tighten with a torque wrench to 40 newtons.
- (6) Place aluminium cover over the bolt head.
- (7) Place the flower container in the hole.

### Fixing on a Reinforced Concrete Flag or Poured Concrete Foundation covering a Single Grave Space.

Before placing the memorial on the foundation it is necessary to stabilise the foundation with a stabilising tube. Three different tube sizes are accredited, 26.9 (normal hole size 28mm), 28.6 (normal hole size 30mm) and 38 (normal hole size 40mm).

- (1) Drill a hole through the centre of the foundation. The diameter of the hole as stated above.
- (2) Cut a slot in the foundation either side of the hole to accommodate the wings on the tube.
- (3) Level the foundation and stabilise it by driving the stabilising tube through the hole in the foundation, ensuring that the wings line up with and fit flush in the slots. It is not necessary for the tube to be driven vertically through the foundation.
- (4) Continue as from (1) above.

## Lockdown Fixing Schematic



The Lockdown System comprises a stainless steel flanged sleeve which fits inside a standard flower container hole. An expansion bolt inserted through a hole in the base of the sleeve locks the memorial down to the foundation. No cement is required. A normal flower container fits inside the sleeve for flowers. To remove the memorial for further work it is simply a case of undoing the bolt.

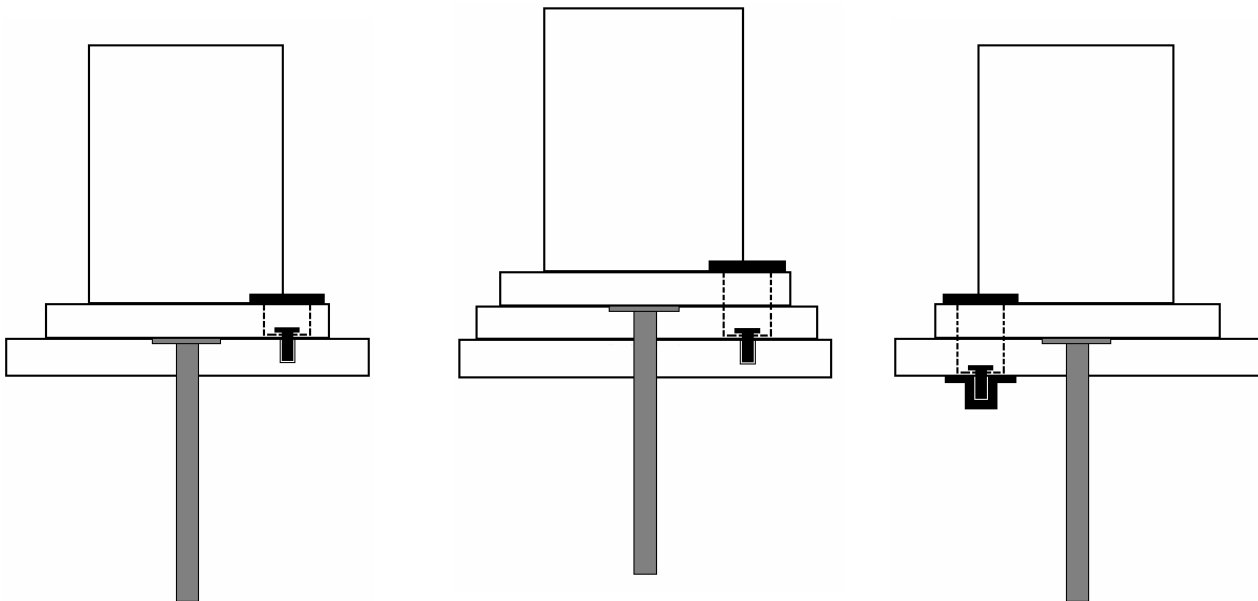


Figure 1 – Fixing a memorial base to a raft or independent (flag) foundation.

Figure 2 – Fixing a memorial base and plinth / sub-base to raft or independent (flag) foundation.

Figure 3 – Fixing a memorial base to an independent (flag) foundation, through-bored to accommodate a deep flower container.

Note when fixing to a raft or ring beam type foundations a stabilising tube is not required.