Peg and Tube Anchor System

Single tube anchor system accredited for the safe installation marble and granite memorials up to 4 feet high. For memorials over 4 feet two tubes should be used.

The system comprises a stainless steel tube which is driven into the ground through the memorial foundation and any sub-base. A short, removable stainless steel peg inserted into both the anchoring tube and the memorial base completes the anchor system.

Features

Tubular construction	❖ Easier to drive into the ground than a solid rod system as the tube cores the ground instead of compacting it or pushing it aside. Less physical effort required and quicker to drive into the ground. ❖ If necessary, a mandrill or percussion drill can be driven down the centre of the tube to break up any stubborn obstruction. ❖ Less chance of the tube being deflected out of the vertical during the driving process than with a solid rod system.
Choice of tube diameters	❖ Available in three different tube diameters for use with the most popular 28, 30 and 40 mm 'NAMM' anchoring holes.
Choice of tube lengths	❖ Standard tube length 600mm ❖ Shorter tubes available for use on poured concrete beam or raft foundations ❖ Longer tube option for soft or sandy ground
Multiple tube option	❖ In extremely soft or sandy conditions additional tubes can be used to stabilise the foundation. Only one of these tubes needs to be connected to the base with a peg.
Removable peg	❖ If the memorial is removed from the cemetery for further work the peg can be removed ensuring that there is nothing left protruding out of the ground to create a trip hazard. ❖ If cement or adhesive accidentally gets into the 'NAMM' hole in the base during the fixing process the peg will still pull out of the tube easily to release the memorial if it has to subsequently be removed.
Integral Depth Stop	❖ The depth stop wings at the top of the tube are formed from part of the tube. They cannot accidentally break or slip causing the anchor system to under-perform or fail completely.
Optional 'knocking in' peg	❖ To avoid problems of the head of the anchor being distorted during the driving process use a 'knocking in' peg - a standard peg kept for driving.
Choice of fixing methods	❖ Peg can be inserted into the tube and the base dropped over the top of the peg. ❖ Base can be fixed as normal and the peg dropped though the base – easier for one-man fixing. ❖ If using plate-to-base bolting the peg can be resined into the base and the memorial lowered down on skids – easier for visually aligning the anchor with the hole if the memorial has been pre-assembled or is being refixed as a complete unit.
Accredited as an all-in-one safety dowel and anchor system	❖ The only ground anchor system accredited by NAMM for use in remedial work as both an anchor and safety dowel. ❖ Only one hole to drill – not three. ❖ No additional dowels to buy. ❖ Saves time; saves materials, saves money.

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Fixing a Memorial with a Peg and Tube Ground Anchor System.

Preparation Prior to Installation.

Pre-drill a ground anchor hole in the centre of the memorial base under the headpiece If a sub-base and/or foundation flag are to be used, drill corresponding ground anchor holes in these as well. See Table A for the relevant ground anchor hole and tube sizes.

Maximum Hole Diameter	Tube Diameter
28.0 mm	26.9 mm
30.0 mm	28.6 mm
40.0 mm	38.0 mm

Table A

Preparing the Foundation.

If using a foundation flag, cut out the turf to the depth of the foundation flag and level the flag. If fixing on a pre-installed poured concrete beam or raft foundation, drill a hole in the foundation for the anchoring tube so that when the tube is inserted in the hole the wings at the top of the tube are flush with the surface of the foundation.

Installation

Drive the anchoring tube vertically through the foundation with a hammer. We suggest using a separate peg as a 'knocking in' peg to avoid distorting either the tube or the peg during the driving process. Ensure that the wings of the tube are flush with the upper surface of the foundation. If necessary, cut recesses in the foundation to accommodate the wings.

If fixing the base and plate separately either

(1) insert the peg into the top of the anchoring tube and lower the base over the peg using skids or wedges to ease it down; or

(2) fix the base to the flag in the normal manner making sure the anchoring hole in the base aligns with the anchoring tube (using a mandrill will help) and drop the peg through the base into the anchoring tube.

Complete the installation of the memorial as normal.

If installing a pre-assembled memorial such as one with the plate and base already bolted together, resin the peg into the NAMM hole in the base, drop the memorial onto skids placed on the foundation and ease down into place using skids or wedges. You will find it easier and safer to position the peg over the tube than to position the NAMM hole in the memorial base over the protruding peg in the anchoring tube.

Sub-Bases

If there is a sub-base between the foundation and the memorial base either

(1) drive the anchoring tube through the sub-base and foundation, making sure there is a minimum 575mm of tube length below ground level, then fix as above; or

(2) use an extra-long peg which extends through the sub-base and 70mm into the memorial base.

Remedial Work

The 26.9mm system is accredited for use as an all-in-one safety dowel and anchoring system for remedial work. Drill a hole through the base 75mm into the plate. Wrap tape over the head of the peg and resin the peg into the base and headpiece. Follow installation procedures for a pre-assembled memorial.