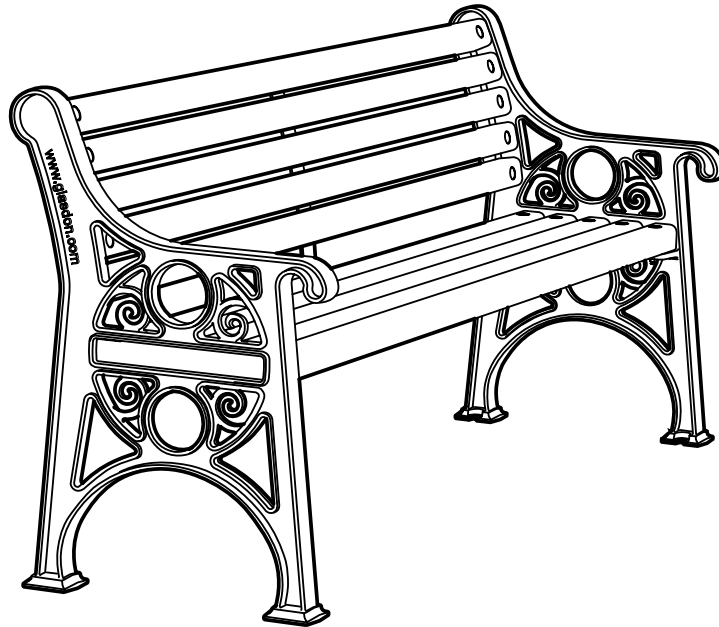


LOWTHER™ SEAT

INSTALLATION INSTRUCTIONS

IMPORTANT NOTE: ENSURE THAT ALL RELEVANT PERSONNEL READ THESE INSTRUCTIONS PRIOR TO USE



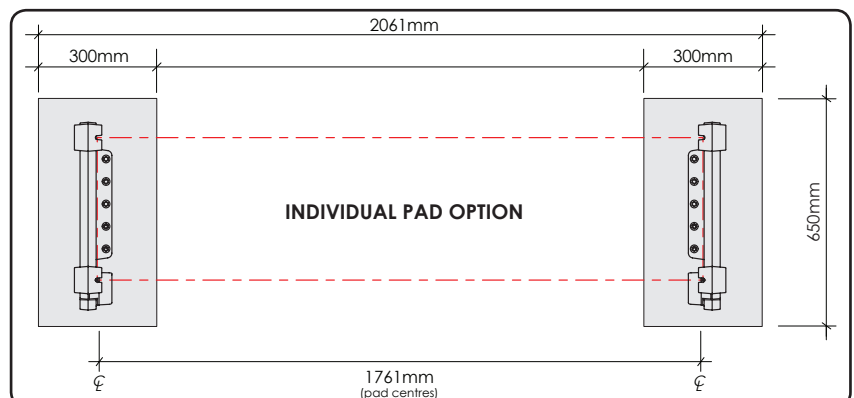
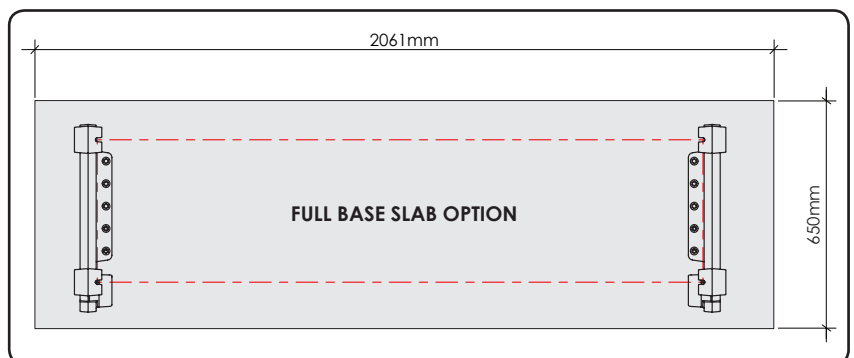
INSTRUCTIONS FOR NEW CONCRETE FOUNDATION

IMPORTANT NOTE: ENSURE THAT ALL RELEVANT PERSONNEL READ THESE INSTRUCTIONS PRIOR TO USE

MINIMUM BASE REQUIREMENTS :

If no suitable existing base, then base to be sized as per drawing illustration x 200mm thick concrete onto well consolidated hardcore.

Base to be smooth (float finish), flat level and square and preferably flush with surrounding ground level.



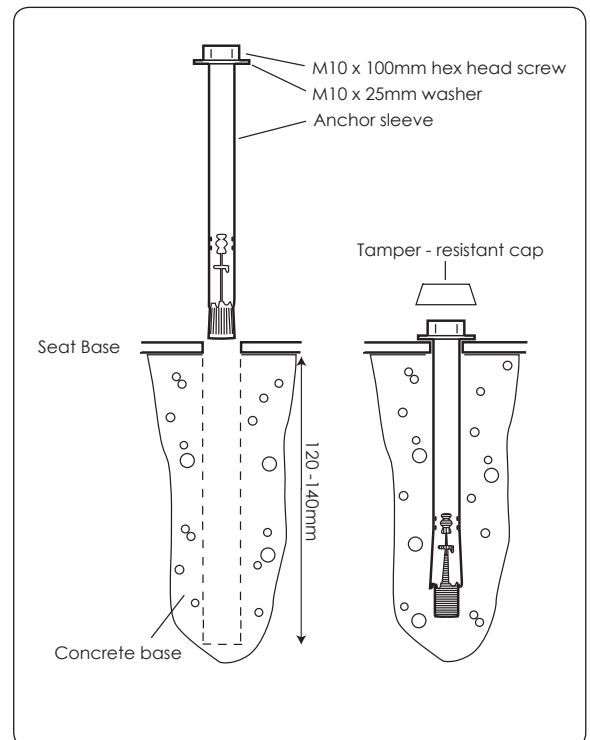
INSTRUCTIONS FOR CONCRETE FIXING KIT (INTO PREPARED CONCRETE FOUNDATION)

IMPORTANT NOTE: ENSURE THAT ALL RELEVANT PERSONNEL READ THESE INSTRUCTIONS PRIOR TO USE

**DISTANCE FROM THE EDGE OF FOUNDATION TO CENTRE OF GROUND BOLT TO BE
NO LESS THAN 100MM.**

Note: Concrete fixing kit and anti-tamper armourings are supplied as standard with every seat.

1. Place seat in desired position onto the concrete foundation and mark all four hole positions through seat ends with drill tip.
2. Remove the seat and drill marked holes depth of 120-140mm using a 12mm diameter masonry drill.
3. Ensure holes are free from any obstructions and debris caused by drilling.
4. Ensure washers are in position at the top of the bolts supplied.
5. Reposition seat so that the base holes are aligned with drilled holes and insert four fixings using a hammer.
6. Tighten up the nuts with 17mm socket until tight (maximum recommended torque setting is 40Nm).
7. Place one armouring over each fixing head. Use cardboard over armouring and tap on with a hammer. Ensure that a washer is used beneath each nut as otherwise removal at a later date will be impossible. To remove, prise armouring off with a screw driver.

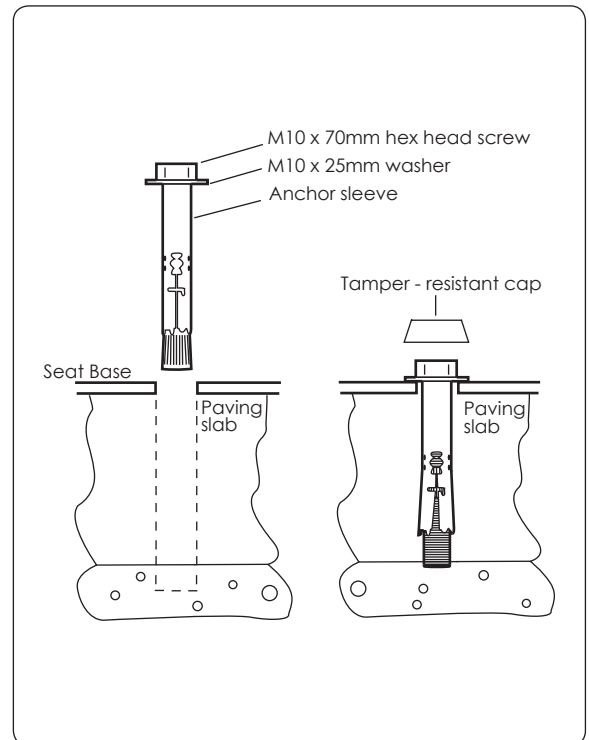


INSTRUCTIONS FOR PAVING FIXING KIT (INTO PRE-LAID CONCRETE PAVING SLABS)

IMPORTANT NOTE: ENSURE THAT ALL RELEVANT PERSONNEL READ THESE INSTRUCTIONS PRIOR TO USE

DISTANCE FROM THE EDGE OF PAVING SLAB TO CENTRE OF GROUND BOLT TO BE NO LESS THAN 100MM.

1. Place seat in desired position onto the paved area. Glasdon recommend bridging two paving slabs, ensuring 110mm minimum distance is maintained from any edge to the centre of intended fixing points. Mark fixing positions through both seat ends with drill tip.
2. Remove the seat and drill marked holes through paving slabs at all four points.
3. Ensure holes are free from any obstructions and debris caused by drilling.
4. Ensure the washers are in position at the top of the bolts supplied.
5. Reposition seat so that base holes are aligned with drilled holes and insert all four fixings. Tap down fixings using a hammer.
6. Tighten up the nuts with 17mm socket until tight (maximum recommended torque setting is 40Nm).
7. Place one armouring over each fixing head. Use cardboard over armouring and tap on with a hammer. Ensure that a washer is used beneath each nut as otherwise removal at a later date will be impossible. To remove, prise armouring off with a screw driver.



INSTRUCTIONS FOR ADJUSTABLE DEPTH CONCRETE IN ANCHORS (FOR CASTING INTO NEW CONCRETE FOUNDATIONS)

DISTANCE FROM THE EDGE OF CONCRETE FOUNDATION TO CENTRE OF GROUND ANCHORS TO BE NO LESS THAN 100MM.

WARNING: Check for buried services. During the installation please be safe. Where necessary sign and guard your works safely with reference to New Road & Streetworks Act 1991 and Chapter 8 of the T.S.R. & G.D.

SAFETY NOTE: We would recommend a health and safety risk assessment prior to the installation of this product.

1. Site the product and mark out a minimum area around the seat fixing points as shown in the TOP VIEW.

2. Remove the product.

3. Dig holes at the two areas marked in (1) to an approximate depth of 300mm as shown in the SECTIONAL VIEW.

4. If the required depth cannot be achieved, then the depth of the fixing can be changed to suit by moving the washer along the threaded bar. Secure the washer by adjusting the wing nuts, and then cut off the excess from the threaded bar. NOTE: The volume of concrete per fixing should be maintained by increasing the width or length of the hole.

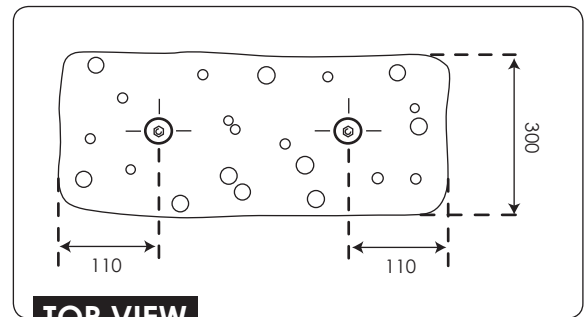
5. Bolt the ground anchors to the product as shown in the SECTIONAL and EXPLODED VIEWS.

6. We would recommend the use of sand/aggregate/blocks in the base of the excavated holes to allow the product to be positioned at the correct height.

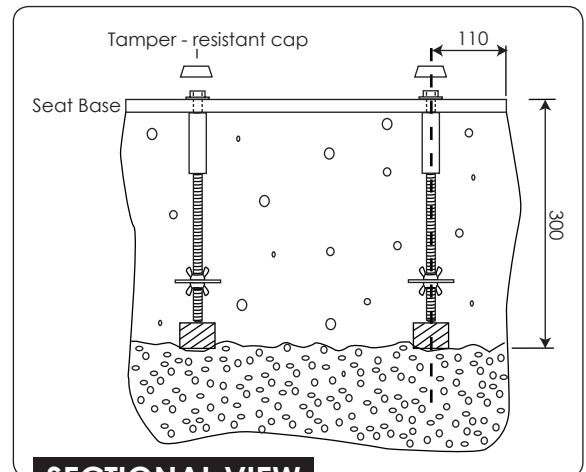
7. Lower the product into the excavated holes. SAFETY NOTE: Due to the weight of the product we would recommend either a two to four man lift (dependent upon the product) or a mechanical lifting aid.

8. Using a spirit level ensure the product is horizontally level and positioned at the correct height.

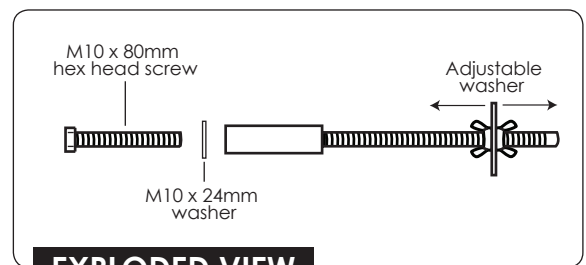
9. With the product in position, pour the concrete mix into the holes as shown and allow to set. (We would recommend the use of quick setting concrete e.g. grade QC10).



TOP VIEW



SECTIONAL VIEW



EXPLODED VIEW

IMPORTANT NOTE: PLEASE ENSURE THAT ALL RELEVANT PERSONNEL READ THE POINTS LISTED WITHIN THIS LEAFLET AND THAT A COPY IS GIVEN TO STAFF INVOLVED WITH THE INSTALLATION AND MAINTENANCE OF THIS PRODUCT.

SAFETY NOTE: PLEASE REFER TO 'THE MANUAL HANDLING OPERATIONS REGULATIONS 1992' DURING HANDLING.

 **Glasdon** AND LOWTHER™ SEAT ARE TRADEMARKS OR REGISTERED TRADEMARKS OF GLASDON GROUP OR ITS SUBSIDIARIES IN THE U.K. AND OTHER COUNTRIES

- A planned maintenance schedule or regular inspection is recommended, replacing components as necessary.
- Replacement components are available direct from GLASDON.
- GLASDON cannot be held responsible for claims arising from incorrect installation, unauthorised modifications or misuse of the product.

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