

GATOR DECK MOUNT GLASS CLAMP.

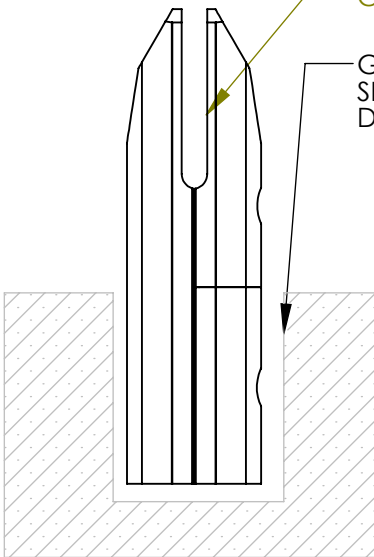
CLAMP RUBBER TO EACH SIDE OF GLASS AND BOTTOM.

2 X M12 BOLTS. EITHER M12 COACH BOLTS EMBEDMENT MIN. OF 90MM INTO SOLID TIMBER OR M12 BOLT CHEMSET INTO CONCRETE MIN. EMBEDMENT 90MM. OBSERVE MIN. OF 80mm FROM EDGE OF CONCRETE TO CENTRE OF CHEMSET.

GATOR CORE DRILLED GLASS CLAMP.

CLAMP RUBBER.

GROUT CLAMP POST IN A MIN. OF 80mm USING 40Mpa NON SHRINK GROUT. BORE HOLE MIN OF 83mm DIA. A MIN. OF 80MM DEEP. MAX OF 67MM TO UNDERSIDE OF GLASS PANEL.



ENGINEER CERTIFIED DETAILS FOR CLAMP SPACING AND GLASS SHEET SIZE FOR VARIOUS WIND LOADINGS.

DESIGN LOADS 0.6kN POINT LOAD & 0.35kN/m AT TOP EDGE OF GLASS. GATOR GLASS CLAMPS POSITIONED 200mm IN FROM EDGE OF GLASS. GLASS PANEL SIZE IS BASED ON 1200mm HIGH.

ALLOY IS 6005A - T5 WITH MIN. Ft_u OF 260MPa & f_{ty} OF 240MPa

ALL GLASS DETAILS TO BE DESIGNED & CERTIFIED BY GLASS MANUFACTURE..

WIND SPEED N1 & N2. 1800mm LONG PANEL - 2 GATOR CLAMPS REQUIRED.
2200mm LONG PANEL - 3 GATOR CLAMPS REQUIRED.

WIND SPEED N3 & C1. 1200mm LONG PANEL - 2 GATOR CLAMPS REQUIRED.
1600mm LONG PANEL - 3 GATOR CLAMPS REQUIRED.

WIND SPEED N4 & C2. 900mm LONG PANEL - 2 GATOR CLAMPS REQUIRED.
1300mm LONG PANEL - 3 GATOR CLAMPS REQUIRED.

PLEASE READ BEFORE INSTALLING GATOR GLASS CLAMPS.

CORE DRILLED GATOR GLASS CLAMPS .

1. Measure overall distance required for the glass balustrade and then minus the clearances required for the gap between panels/ post etc.
2. Divide this measurement by the maximum panel size. Using the known wind speed, determine the maximum glass panel size from the table, and then adjust to achieve equal size panels.
3. When using the Gator Core Drilled Clamp, it is recommended that the Clamp be fixed into position on the glass before grouting the Clamp in. This is achieved with the glass panel resting on blocks of timber and fixing the Clamps to the top edge. Ensure that the Clamp is positioned squarely to the top edge of the glass and seated firmly onto the clamp rubber. Tighten bolt.
4. Slip the Core Drilled Cover Plate over the clamp and tape to the glass.
5. Mark out core hole positions onto the concrete ensuring 120mm edge distance to centre of core hole. Then using an 83 dia. Core drill, drill to a minimum depth of 80mm. Clean out hole thoroughly removing all waste and dust.
6. Turn glass over and position into core drilled holes.
7. Place timber packers under the glass panel, packing panel to finished height.
8. Plumb glass panel and temporarily brace or wedge. Pour in minimum 40Mpa non shrink epoxy grout carefully mixed to manufactures directions and let set before removing braces or wedges. Top up any voids.

GATOR DECK MOUNT GLASS CLAMPS

1. Follow steps 1 to 3 as per Core Drilled Clamps.
2. Run a string out that marks the centre line of your balustrade/fence. Be careful of the required concrete edge distance for Chemsets.
3. At the predetermined Clamp spacing, slide the Gator Deck Template under the string line, lining up the centre line on the card with the string line, position a centre punch or nail on the X mark in the centre of the circles and strike the punch/nail.
4. You have now have accurately transferred the bolt down position for the Gator Deck Mount Clamp.
5. Carefully drill the required hole at these points: 13mm for M12 bolts or as required by the manufacture of the M12 Chemical Anchor. DO NOT use Dyna bolts or similar.
6. Bolt Gator Clamp into position, lift glass into the Clamp, making sure that the rubber has not been folded over. Check edges distances are equal then tighten up the single M12 bolt with the Allen key supplied.
7. Check that the glass panel is plumb. If not loosen the hold down bolt on the side that needs to be lifted, carefully push the panel over and insert the supplied shims under the base plate around the hold down bolt. Retighten bolt, check with spirit level. Repeat process adding more shims until you are happy with the alignment of each panel. You will not have to move it very far at the bottom to get a lot a movement at the top.