

Anglia Composites Ltd - Safety Gate Installation Instructions

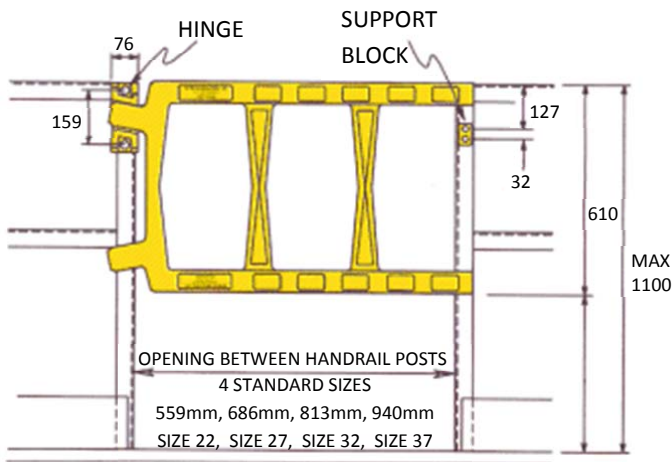
Anglia Composites self-closing, double-bar safety gate is designed to meet the EN ISO 14122 standard. This standard requires a self-closing, non-corrosive gate with at least a hand and knee rail.

Things to Remember Make sure the blade of the gate is long enough to contact, and extend past the opposite side guardrail post by at least 25mm. The support block should be mounted below top rail of gate to prevent vertical deflection but should not make contact with the gate or interfere with it swinging closed. The top rail of the gate must be no more than 1100mm above the platform surface to avoid too large of an opening below the gate.

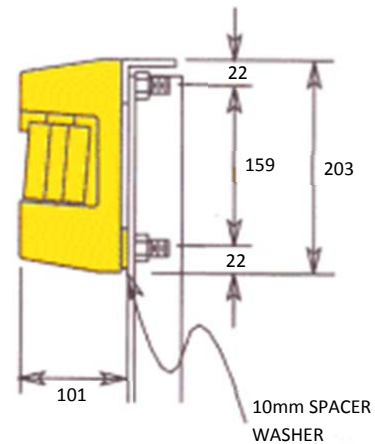
Mounting Hinge & Gate The top of the hinge should be mounted as close as possible to the top of the guardrail. Ideally the hinge top bolt hole should be located 22mm down from the top rail. This may need to be adjusted according to the type of guardrail being used. Drill 2 No 18mm diameter holes on 159mm centres for the 2 No M16 x 66mm carriage bolts. Mounting holes should be positioned to allow clearance for tightening the nuts.

Mounting Support Block The block must be located in relation to where the hinge is mounted so that it does not touch the gate. Mount the block 25mm below the closed bar. This should be 127mm below the top of the gate.

Typical Installation of Double Bar Gate

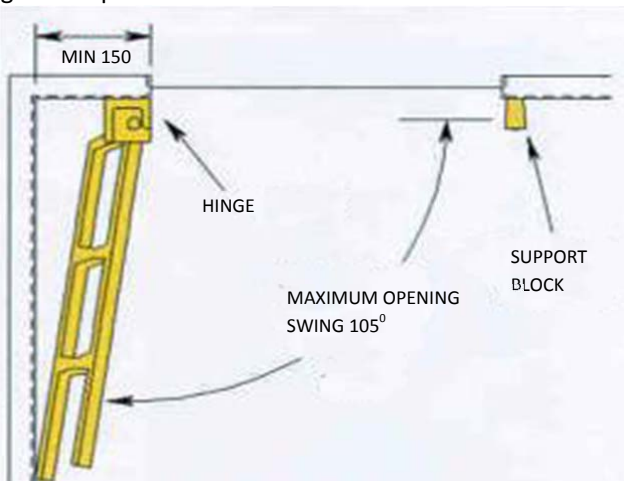


Hinge Details



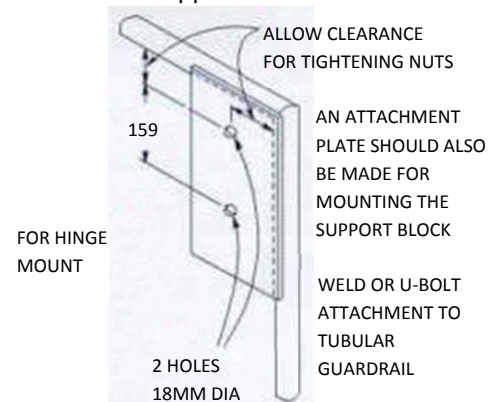
Guardrail design when gate is in the corner of platform

Provide at least 150mm of railing in order to mount hinge. This will allow for space to mount the hinge and allow the gate to open at least 90°



Attachment of gate to pipe Guardrail

This drawing shows only the hinge side mounting plate. A similar plate must also be made for the support block.



See next page for an alternative, no welding mounting solution for hinge.

Adaptor Bracket

Adaptor brackets are available in galvanised or stainless steel. You can use an adaptor kit if you are fixing the gate to a tubular handrail post. Available for 1 ½" (38Mmm) diameter and 1 ¾" (44mm) diameter tube. Comes complete with all necessary fixings. No drilling required.

Remove the 2 No. bolts from the back of the plastic hinge, install angle and re-tighten nuts. Bolt the complete hinge and gate to the tubular post with the supplied U bolts.



HoldTight Magnetic Closure Kit

The add-on HoldTight kit provides a way to hold the safety gate securely in a closed position using a permanent magnet disc attached to the gate. All parts of the add-on kit have been designed and tested for outdoor use. The permanent magnet is rubber coated and all the hardware is 316 stainless steel.

Installation Instructions

Determine where the gate makes contact with the vertical guardrail post and drill a 6.0mm hole through the safety gate blade and attach the magnet assembly. Since the gate has both solid and recessed areas along its length there are 2 different lengths of screw 40mm and 50mm. If the hole is through a recessed area you will use the shorter screw. If the hole is through a solid area then use the longer screw.

The double nuts are provided to secure the magnetic disc but still allow the disc to be free and 'wobble'. In this way the magnetic disc can make good, flat contact with the metal guardrail post. Once the screw, nuts and magnet are together, use the washers and cap nut to hold the unit to the gate.

Pack Contents

- 1 – 38mm rubber coated magnetic disc
- 1 – 40mm long M5 machine screw
- 1 – 50mm long M5 machine screw
- 2 – M5 nuts
- 2 – M5 flat washers
- 1 – Dome head nut

