



## Thornton Kissing Gate Installation Guide

### Installation procedure

The Thornton Kissing Gate is supplied as a complete unit comprising of the gate and its integral 'H' frame with reversible striker and auto-catch. This gate is designed to be installed either right or left hand hang. The enclosure is supplied as loose components, 3 panels and 3 posts.

The positioning of the gate is usually determined by the position of an existing gate or gap. The 'H' frame must not be used as a straining post for the adjacent fencing.

Following factors must be considered:

- the exact line of the path
- the desirability of level ground through the gate
- the avoidance of any damp/marshy ground
- the position of overhanging branches and exposed roots
- the requirement of clear space either side of the gate to all users including families with pushchairs and disabled ramblers in wheelchairs – all users require room to manoeuvre

Install the gate as follows:

1. 2 holes to be dug – centres @ 1300mm, to a minimum depth of 600mm
2. 1 trench to be dug between the holes approx 200mm below surface
3. decide which way the gate should open and from which end and
4. reposition the removable striker and auto-catch as required (this fits either side as required)
5. install the gate and frame ensuring that the cross bar of the frame is level and the posts are vertically aligned from all sides using a level to ensure accuracy – failure to do this could prevent the gate from self-closing
6. anchor the gate posts using concrete to avoid movement from future usage
7. backfill holes and trench using hardcore or similar heavy grade material
8. adjust the nuts on the gate eye hinge to ensure a steady smooth self-closure from the widest opening point, at the same time adjust the striker and auto-catch on the slamming post so that the striker enters the auto-catch's mouth at the highest possible point – this allows for slight drooping of the gate, finally tighten the bolts and shear the security nuts
9. next fit the panels and posts in the following order;
  - a. bolt the 900mm panel to the gate slam post
  - b. at the end of this panel dig a 600mm deep hole for an enclosure post and bolt an enclosure post to the 900mm panel
  - c. bolt the 1150mm panel to the enclosure post at 90 degrees to the 900mm panel (in the direction to which the gate will open)

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- a. at the end of this panel dig a 600mm deep hole for an enclosure post and bolt this to the end of the 1150mm panel, the 1150mm panel should now have an enclosure post at both ends forming the end of the enclosure
- b. bolt the 1750mm to the enclosure post at 90 degrees to the 1150mm panel, the 1750mm panel should now be parallel to the 900mm panel
- c. at the end of this panel dig a 600mm deep hole for the final enclosure post and bolt to the 1750mm panel
- d. before backfilling the enclosure post holes, ensure the enclosure is square and that the gate touches the 1750mm panel/enclosure post so that the gate cannot be fully opened
- e. once correctly positioned, back-fill all holes with concrete or similar and shear off all security cone nuts

Always ensure that the hanging and slamming posts are vertically aligned and are left clear to prevent misalignment. It is very important that the posts are not used for fence posts etc, these must be installed alongside the gate posts.

Installer must carry out necessary Risk Assessments and comply with current Health & Safety legislation, this includes the use of required tools and machinery and the relevant PPE.

For further assistance and technical advice please phone the number below.

