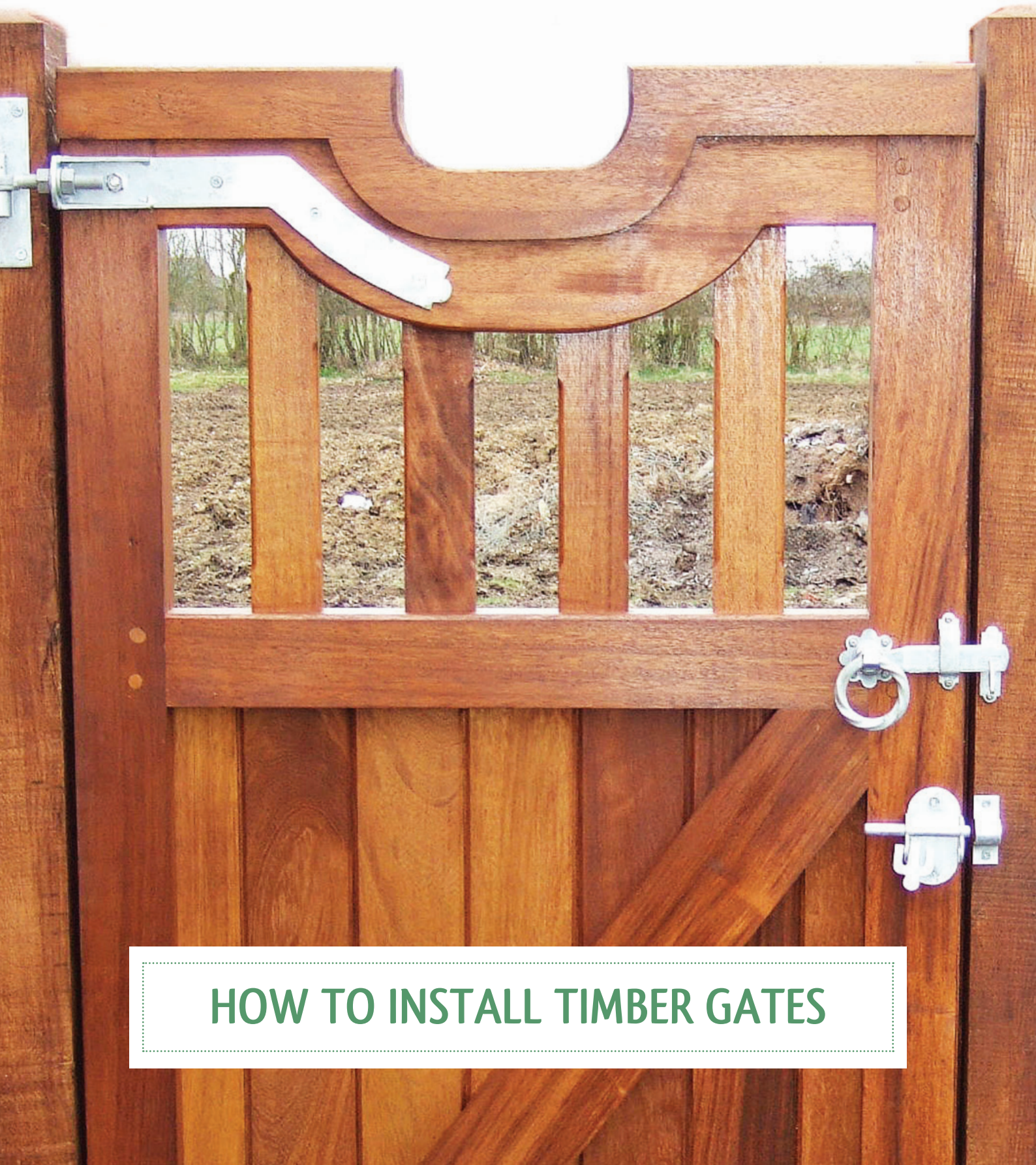





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HOW TO INSTALL TIMBER GATES



The tools you need to install your timber gates:

- Drill
- 4mm twist drill bit (screw holes)
- 10mm spade bit (hinge bolts)
- 17mm spanner
- Spirit level
- Tape measure
- Folding wedges or flat pieces of timber
- Hammer
- Screwdriver

This is a step-by-step guide to installing timber gates. This guide will show you how to hang both single and double timber gates.

The hinges are attached to your gate(s) and you're ready to hang your gate(s). You're fitting the hinges to a timber gate post or posts (we recommend timber gate posts, rather than brickwork, for a stronger fitting).

Step 1: Putting your timber gate(s) in place

1a. Lift your gate into your opening. At this point, you need to wedge your gate in place and decide on the clearance gaps between the bottom of the gate and the ground and the sides of the gate and the sides of the posts.

1b. The gap between the bottom of the gate and the ground is normally 50mm. It should not be less than 25mm. The gap between the side of the gate and the side of the post should be 10mm on each side.

1c. To wedge your gate in place, both at the bottom and sides, you should use folding wedges (two timber wedges, one on top of the other) - it is easier to make small adjustments using folding wedges than it is if you use flat pieces of timber.

Note: If you're fitting double gates, place one gate at a time in the opening and wedge it as required underneath and to the gate post at the side. If the ground is sloped, start with the gate that will sit on the highest side of the opening and use as small a gap as possible to the ground.

The gap to the side of the posts should be as above and the gap between the two gates in the middle should be 10mm.

Step 2: Fitting the hinge pins to your timber gate(s)

2a. The gate should be now wedged in place. The next step is to check that the gate is level. Place a spirit level across the top of the gate to check. If the gate is not level, adjust the wedges until it is.

2b. You are now ready to fit the hinge pins. Take the bottom hinge pin plate and slide it up through the hole in the bottom hinge as far as it will go. With the bottom hinge plate in position, pre-drill a couple of screw holes (just two, not all four). Then put two screws in and tighten to the post.

2c. The bottom hinge pin should be secure to the gate post. Next, move up to the top hinge pin plate and repeat step 2b. Once the top hinge pin is secure, remove the wedges from beneath and the side of the gate. You can fit the top hinge pin upside down to stop the gate being lifted off its hinges. Follow the same procedure but slide the hinge pin plate down from the top.

2d. At this point, check again that the gate is level. If your gate isn't level, adjust it by repositioning the hinge pin (not the hinge). If it is level, open and close the gate a few times to check that it is not catching on any obstructions.

2e. If the gate is level and swings freely, you can now drill the remaining screw holes on the hinge plates and drill the screws in tightly.

Note: If you're hanging a pair of gates, once you're happy that your first gate is properly hung, wedge your second gate in place as per the instructions so that the height matches that of your first gate.

Make sure to wedge the second gate against the first and to put a wedge under the first gate to stop it swinging.

Step 3: Preparing your timber gate(s) for the hinge bolts

3a. You are now ready to fix your hinge bolts, which means drilling through the hinge into the gate. To do this you need a 10mm drill bit with a spur or point on the end. The reason for this particular drill bit is that you do not want to drill right the way through the gate from one side (if you do this, you will split the other side of the gate).

3b. There is a square bolt hole on the hinge - drill slowly through this into the gate until you can see the spur of the drill bit starting to come through the other side. Get someone to stand on the other side of the gate to tell you when to stop. If you're working on your own, you can use a depth stop or mark the depth required on the drill bit using installation tape.

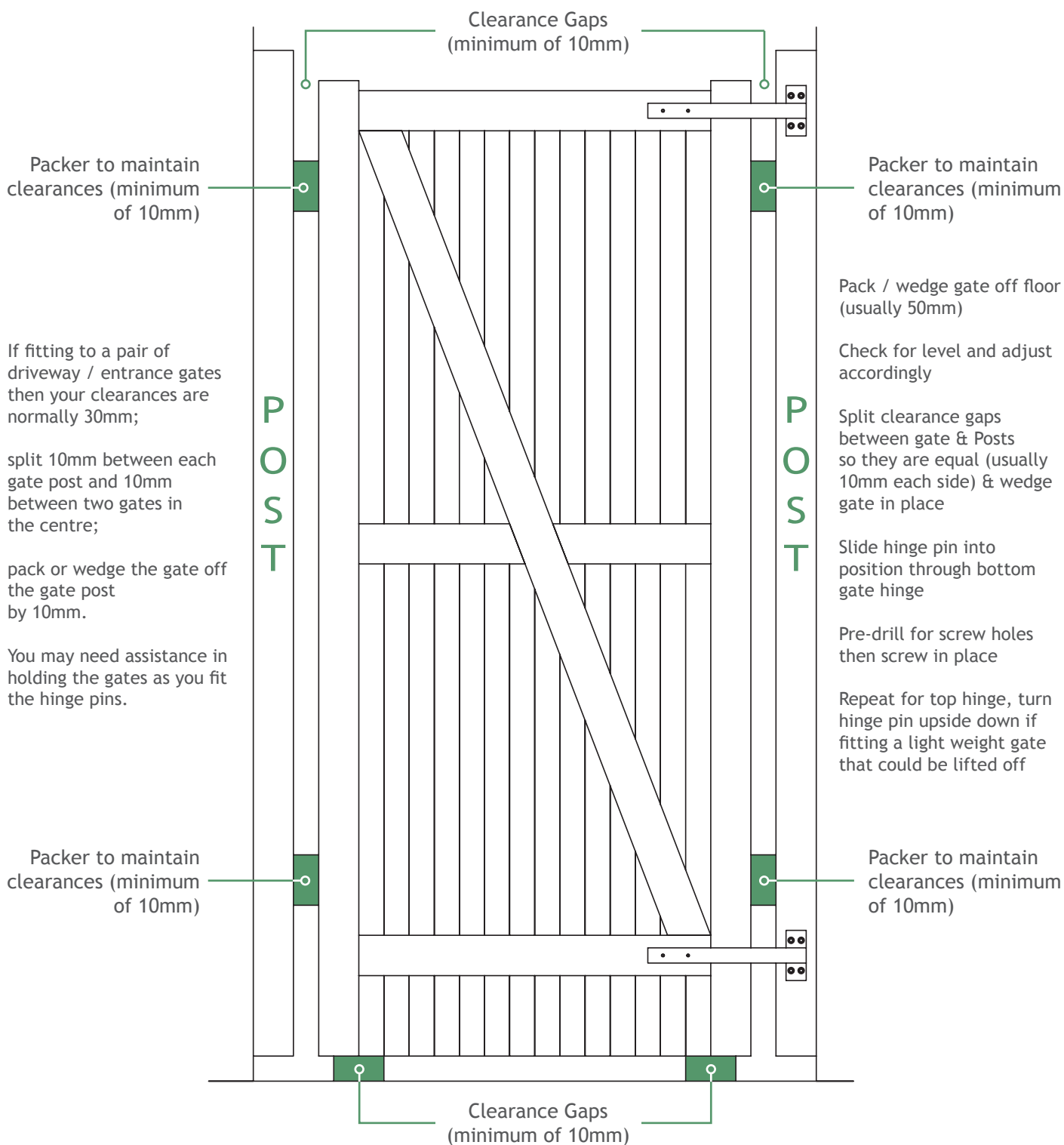
3c. Once the spur is just protruding from the other side of the gate, stop and move to the other side of the gate. There, line up the same drill bit with the small hole you've just made and slowly drill to complete the hole.

3d. Repeat this process for all hinge bolt holes on your gate(s).

Step 4: Inserting the hinge bolts in your timber gates

4a. Now it's time to insert the hinge bolts. With the head of the bolts on the public side of the gates, insert them into the holes you've made and through the hinges, giving them a tap with a hammer.

4b. On the other side of the gate, where your hinges are, put a washer and nut on each bolt, and tighten using a 17mm spanner. Don't overtighten - you don't want to pull the head of the bolt on the front face of the gate too far into the gate. The head of the bolt should sit neatly on the front face of the gate.





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