GATE INSTALLATION

BUCKLEY STEEL BOARD GATE INSTALLATION WRITTEN INSTRUCTIONS

These instructions are for installing Buckley Gates on a new fence installation.

REQUIRED MATERIALS

1. Auger with extension
2. Tape measure
3. Stretch wrap
4. Level
5. Crescent wrench
6. Sledge hammer
7. 5/16” hex key or bolt
8. Three 80 lb bags of quick setting concrete
9. Two 4’ length 2x4’s (optional)

PARTS PROVIDED

1. 3 ½” diameter gate post
2. Gate (includes bearing assemblies)
3. Gate cap
4. 6” bolt
5. ⅜” nut

1 PREPPING THE POSTS

1. Near the bottom of the fence post, bend out the tabs with a screwdriver, set of pliers, or channel lock tool to at least 45° and not more than 90° (Figure 1). These anchor the fence post in the concrete.
2. Slide the 6” bolt through the hole to anchor the bottom of the heavy round gate post. Put on the 3/8” nut for retention (Figure 2).

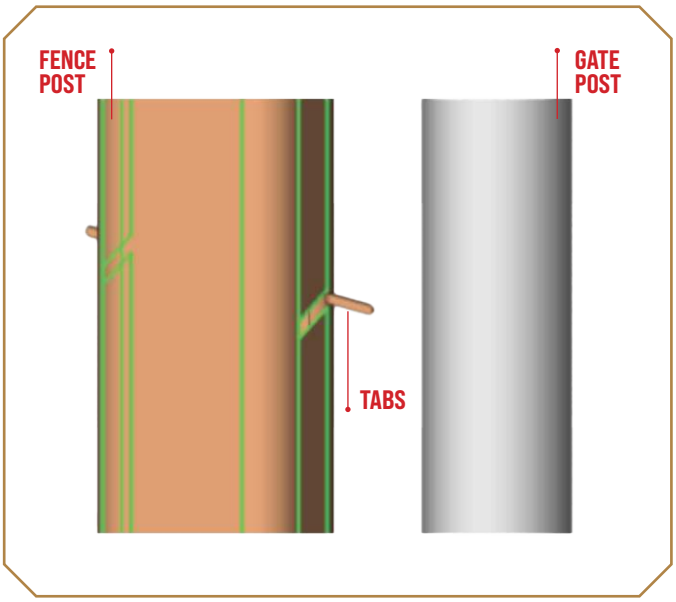

Figure 1

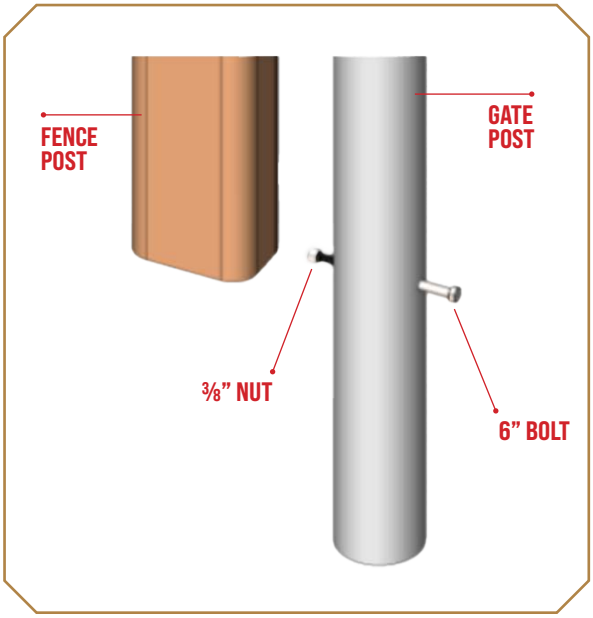

Figure 2

2 MOUNTING A FENCE POST & GATE POST IN THE SAME HOLE

1. If mounting both the gate post and a fence post, bore a hole 52” deep with a 12” diameter auger. Hand digging will be required if auger does not reach this depth or if close to an obstacle or electrical line.
2. Set the gate post assembly in the hole with a 3” gap to the existing end post. Plumb and square the gate post using two 2x4s which will equal 3 inches total in width (Figure 3). Use stretch wrap around the gate post, fence post, and 2x4s to temporarily hold them together .
3. Use a sledge hammer to tap the fence post and gate post into the ground (use a wood block for cushioning the blow). Tapping the post down the last inch or two enables drainage to the soil once the concrete is set. Do this until you measure 54” from ground level to top of the fence and gate post.
4. Ensure the gate post is square and the height is correct. Pour the quick-setting concrete into the hole to a height of 2”to 3” below ground level. Work concrete into the hole by shaking the post. After the concrete is poured, check again that the gate post is plumb and the height is correct in case of movement.
5. After the concrete is set, fill the rest of the hole with dirt.

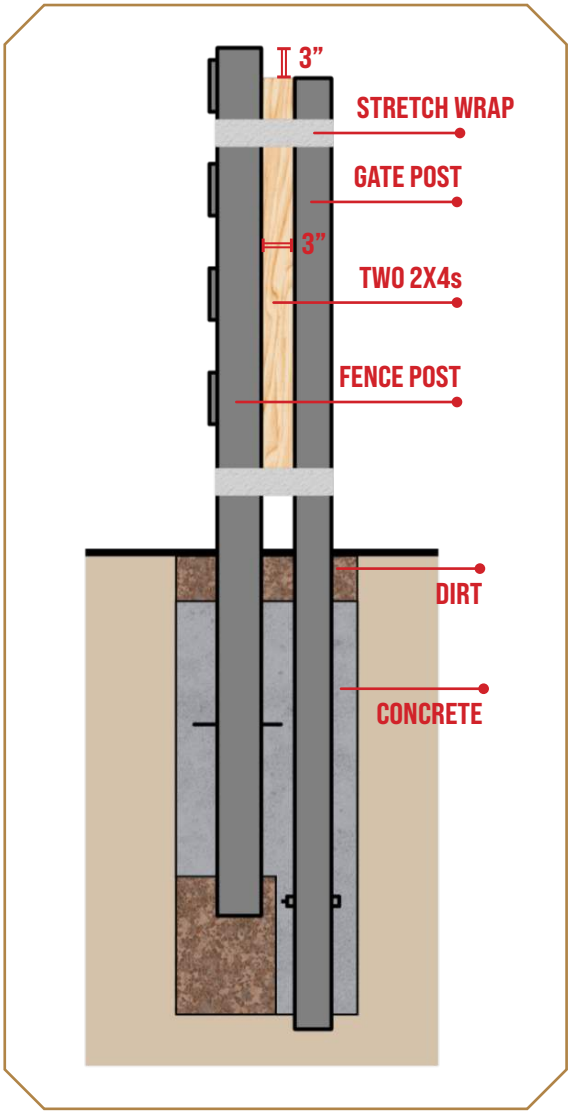

Figure 3

3 MOUNTING A GATE POST NEXT TO AN EXISTING FENCE POST OR A WALL

1. When installing a gate post next to a wall or existing fence post, dig a 52” hole adjacent to the fence post with a 10” diameter. Hand digging will be required if auger does not reach this depth.
2. With the cross bolt and nut installed into the gate post, set the gate post in the hole with a 3” gap to the existing fence post. Plumb and square the gate post with the fence post.
3. Use a dead blow hammer to tap the gate post into the ground. Tapping the post down the last inch or two enables drainage to the soil once the concrete is set. Do this until the top of the gate post matches the height of the top of the top rail. This will measure 54” from ground level to the top of the gate post. The top rail of the gate should be at the same height as the gate post top and should match the top fence rail height.
4. Ensure the gate post is square and the height is correct. Pour the quick-setting concrete into the hole to a height of 2” to 3” below ground level. Work concrete into the hole by shaking the post. After the concrete is poured, check again that the gate post is plumb and the height is correct in case of movement.

4 ASSEMBLING AND LEVELING THE GATE

1. Once the concrete is fully set, ideally two days after pouring, remove the stretch wrap and 2x4’s from between the two posts. Take the gate and lift it over the gate post. (Figure 4) When the gate is placed on its gate post, the top will be seated firmly in the upper bearing inside the gate.
2. The two holes used to rotate the lower bearing are directly below the screw holes in the bearing. Line the bearing screw holes with the holes in the gate hub bottom and replace the screws. Torque until tight. Also, look down the fence line and judge the final position of the gate relative to the fence top rail. They should be in line.
3. You may have to jiggle the gate to be sure the bearing catches the post top. The top rail of the gate should be at the same height as the gate post top and should match the fence rail height (typically 54”). Once seated, there should be very little play in the gate when lifting the end.
4. Place a level on the top rail of the gate. Check level. If the gate is not level, have a helper lift the weight off the end of the gate to allow easy rotation of the lower bearing (Figure 7)
5. Remove the two lower bearing retainer screws (Figure 5). Rotate the bearing using a 5/16” hex key in the holes provided to level the gate. Once the top rail is level, line up the nearest bearing screw hole by rotating the bearing and replacing the screw (Figure 6).
6. Screw the gate post cap on either clockwise or counterclockwise. This cap lock relies on a quarter turn of the cap to seat. The gate post cap will simply click into place. To remove the cap, rotate a quarter turn in either direction
7. When the gate is level, opening and closing easily and quietly, you have finished assembly.

Figure 5

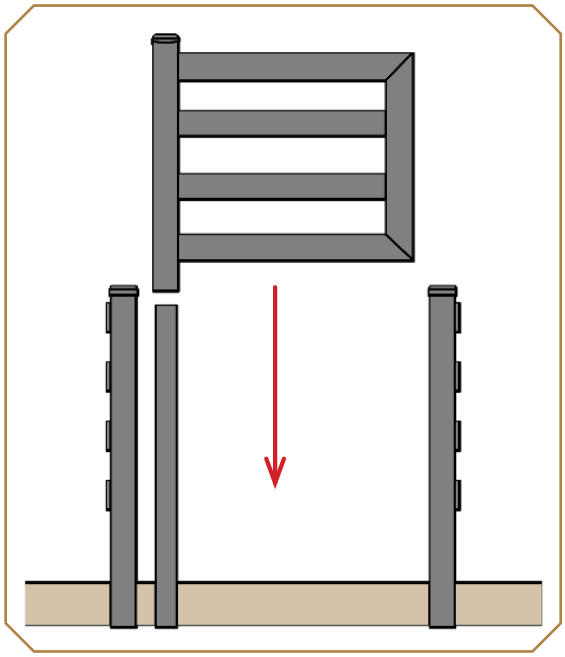

Figure 4

Figure 6

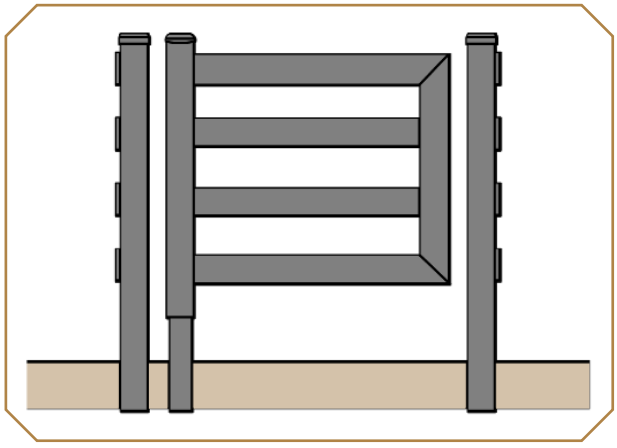

Figure 8

Figure 7