

## Hinge Kit Instructions

### Needed:

Adjustable Wrench

Drill

Drill bits: 5/8, 3/8

Tape Measure

Level

Pencil

(4) 3/8" x 6" Carriage bolts, Washers, Nuts (single) – (8 for dual) – *based on 4" round or square wood posts.*

### Preliminary:

You should already have posts that are plumb and stable prior to installation of the gate. Posts can be any material however the 6" carriage bolts above may need to be changed to a different bolt size or style to work with your posts.

The top J Bolt faces down and the bottom faces up, only one bearing is needed in the top barrel. The bottom is reversed to prevent theft or lifting of the gate.

### Step 1:

For square tube frame gates (max 2" square tube): Measure down 3" from the top and up 3" from the bottom on the hinge side of the frame of your gate (recommended: gate features may require altering positioning of hinges on the frame). Mark with a horizontal line at 3". Measure 3/8" inches in along the horizontal line from the inside of the frame for both the top and bottom. Mark this with a vertical line.

Drill a hole centered on the cross mark made using a 5/8" drill bit. Go completely through both walls of the frame.

For round tube frame gates (max 2" diameter tube): Measure down 3" from the top and up 3" from the bottom on the hinge side of the frame of your gate (recommended: gate features may require altering positioning of hinges on the frame). Mark with a horizontal line at 3". Using a level, find vertical centerline on the frame and mark this with a vertical line.

Drill a hole centered on the cross mark made using a 5/8" drill bit. Go completely through both walls of the frame.



#### Step 2:

On the hinge plates, drill a hole above and below the hinge barrel. The holes should be centered vertically and horizontally.



#### Step 3:

Put the threaded end of the J Bolt through the top hole of the frame with the J facing down. Place a nuts and washer on each side of the frame with the washers being on the inside next to the frame.



Drop the bearing into the barrel and place the smooth end of the J Bolt into the hinge barrel. Hold the gate frame the height off the ground you would like your gate to hang and hold the hinge plate against the post and mark its position.

Remove the J Bolt from the hinge plate. Hold the hinge plate back in the position you had marked and check that it is level. Using a 3/8" drill bit and the holes of the hinge plate as a guide, drill through your post. Secure the hinge plate to the post using 3/8" carriage bolts. The carriage head should be on the back side of the posts, as you tighten down the nut the carriage heads will sink into the wood of the post. Cut off any excess bolt past the washer and nut.

#### Step 4:

Insert the bottom J Bolt threaded end through the frame with the J facing up and secure it with the provided washers and nuts. Place the hinge barrel on top of the J Bolt.

Place the gate frame back into the top hinge and align the bottom hinge plate vertically to the top and confirm it is level. Mark the bottom plate position and swing the gate frame to the open position while holding the bottom hinge plate in place. Recheck its alignment with your marking and levelness.

Using a 3/8" drill bit and the holes of the hinge plate as a guide, drill through your post. Secure the hinge plate to the post using 3/8" carriage bolts. Cut off any excess bolt past the washer and nut.

Step 5:

With the gate on the hinge, level the gate by adjusting the nuts on either side of the gate frame.

