Raptor Roost Mounting Instructions

INSTALLING THE AMADOR RAPTOR PERCH SET: POLE, OR POLE + POST

Notes

1. Install in open spaces. Roost perch bars can be installed near, but not under trees or structures.
2. Ideally this effort is a 2 person job
3. There are 2 options for installation, one with steel pole, and one with combination of steel pole and wood post. If you already have a wood post to attach the pole to, that can work also.

Materials Needed

If Option 1, Steel Pole, here are the materials needed:

1. Section of 1” ID (inner diameter) schedule 40 thickness steel pole, recommended 15 feet or longer. Minimum of 18” of pole will go into ground in concrete.
2. 1 50lb bag of quick set post hole concrete + water

If Option 2, Steel Pole + Wood Post, here are the materials needed:

1. Section of 4x4 wooden post, recommended 8’ or longer. (18” of this will be in the ground) labeled for ground contact; redwood or pressure treated posts are advised (4x6 or 6x6 size posts are fine also.)
    1. optional: if not pressure treated, then it may be wise to use a sealer or paint on the bottom 3 feet of the post
2. Section of 1” ID (inner diameter) schedule 40 thickness steel pole, recommended 15 feet or longer. Minimum of 18” of pole will go into ground in concrete.
3. Hardware to hold your post and pole together: 2 bolts to go all way through pole and post, washers, and nuts.
4. 1 50lb bag of quick set post hole concrete + water

Tools Needed

1. Shovel
2. Post-hole digger or auger (6" or 8")
3. A level, but having 2 levels will enable simultaneously measuring 2 planes of movement
4. Drill & bits to pre-drill bolt hole through post
5. Optional: drill and bits to pre-drill bolt holes for attaching steel pole and wood post
6. Bucket, wheel barrow etc. to mix the post hole concrete in
7. Wrenches for the mounting hardware.

Mounting of Option 1, Steel Pole:

Note: many people choose to paint the steel pole, if you choose to we recommend giving it a light sanding then wipe the dust off, then paint. We use Rustoleum flat brown to blend in with the environment. Paint pole and let dry before installation begins.

1. Lay the pole down and securely attach both raptor roost bars to the pole. Separate them by minimum 18" in height (18-24" is fine). The top one should be even with or close to the end of the pole. Normally we attached the top and bottom in line with one another, but you can twist them up 0 to 90 degrees if you prefer. The hex-head screw is a set screw to eliminate rotation; you'll need to drill a hole only slightly smaller than the set screw into the metal pole after you've attached the bars. From there run the screw in so it's snug, but not too tight (equivalent of 3-5' lbs torque is fine).

2. Dig a hole at least 18" deep, ensure the walls of the hole are straight down, (because in frost areas "v shape" holes will heave the post out during seasonal changes each year). Using post hole digger or an auger works best as they create a well-formed hole.

3. Prepare concrete mix. To make thing easier physically, we recommend preparing ½ of the mix and pouring, then preparing the 2nd half of the mix.

4. Put 1" of mixed concrete at bottom of the hole.

5. Insert the pole and center it, then while holding the pole straight, pour the concrete mix into the hole around the pole. Use a level to be sure pole is correctly vertical from all 4 sides around, and hold pole until concrete is sufficiently hardened for post to standalone – with fast set concrete it will only take 10-15 minutes. It's fine to leave 2 inches of depth for putting dirt back on top of in case you have grass or plants around the pole.

6. Let the concrete set

Mounting of Option 2, Wood Post & Steel Pole:

Note: many people choose to paint the steel pole, if you choose to we recommend giving it a light sanding then wipe the dust off, then paint. We use Rustoleum flat brown to blend in with the environment. Paint pole and let it dry before installation begins.

1. Dig a hole at least 18" deep, ensure the walls of the hole are straight down, (because in frost areas "v shape" holes will heave the post out during seasonal changes each year). Using post hole digger or an auger works best as they create a well-formed hole.

2. Drill holes for mounting pole to post.
   - Pole will bolt to post, so first you need to identify how much overlap of pole and post you want then drill holes to bolt the pole and post together.
   - Drilling holes in pole: Starting at one end of the pole, drill holes straight through middle of pole, approximately 18" apart with the first hole being 2" from the end pole. Test your hardware to make sure holes are big enough.
   - Drilling corresponding holes in post: Now hold pole with the drilled end against the post and overlap pole with post by 24". Line it up so the pole is centered on the post. You'll be drilling holes in the post, therefore alignment and centering is important…bolts need to

travel through both. Poke a pen, or other marking tool through the pole holes so you know where to drill your post. After marked, double check your work then drill corresponding holes through post. Be careful to drill straight through the post.

- Test fit with your hardware, then detach pole from post.

3. Prepare concrete mix. To make thing easier physically, we recommend preparing ½ of the mix and pouring, then preparing the 2nd half of the mix.

4. Put 1" of mixed concrete to bottom of the hole.

5. Insert the post and center it, then while holding the post straight pour the concrete mix into the hole. Use a level on all sides to be sure post is correctly vertical and hold post until concrete is sufficiently hard to standalone - it will only take minutes. Then, apply an extra amount of concrete to the top of the hole around the post and form a slight taper (like a ½ mound) that will run water away from the wood post.

6. Let the concrete set up.

7. Lay the pole down and securely attach both raptor roost bars to the pole end opposite from the end you drilled. Separate them perches by minimum 18" in height (18-24" is fine). The top one should be even with or close to the end of the pole.

8. After concrete is fully set (minimum 45min for fast-setting mix) Attach post and pole, starting with bottom hole so it can server as a pivot point. Tilt pole up until vertical and bolt the top post and pole holes together.