

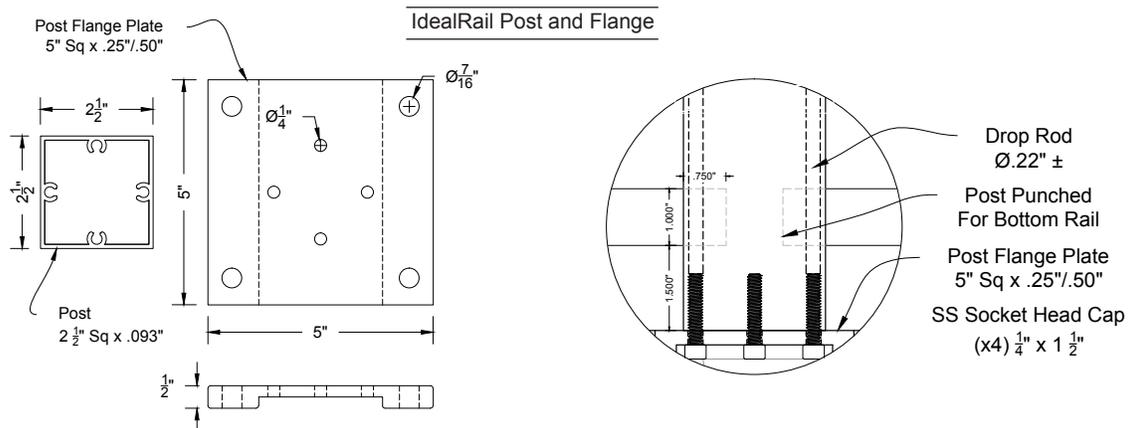
## Installing IdealRail Posts

### Flange plate installation:

Align the holes on the flange plate with the four screw bosses inside the post. Screw the four 1/4" x 1-1/2" ss socket head screws into the bottom of the post. The screws will act as a stopper for the drop rod.

### Core Drilling Installation:

Post are precut with an additional 6" for concrete embedment. Screw the four 1/4" x 1-1/2" ss socket head screws into the bottom of the post. The screws will act as a stopper for the drop rod.



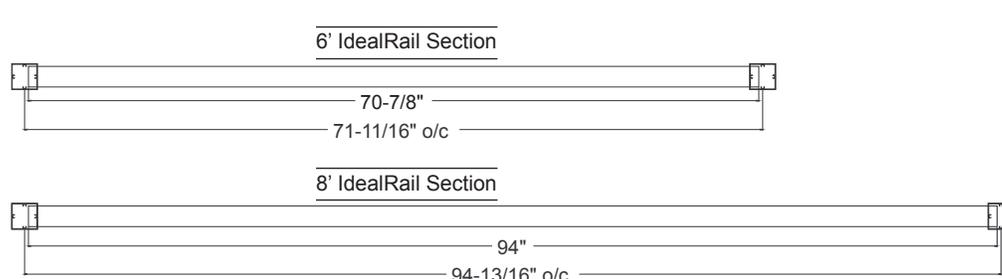
## Installing Standard IdealRail Sections:

IdealRail sections come preassembled in 6' wide sections (70-7/8" channel, 71 11/16" o/c) and 8' wide sections (94" channel, 94-13/16" o/c). A 1/4" hole will be predrilled in the top of each rail. The hole will be 5/8" in from the end of the rail to except the drop rod internally inside the post.

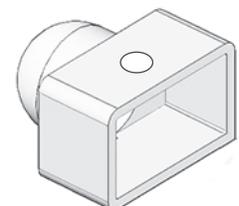
1. Simply insert the rails into the routed posts 7/8". Just to the point where you can no longer see the predrilled hole.
2. Slide the drop rod into the screw boss located inside the post. The drop rod will be stopped by the screw in the bottom of the post.

### Shortening a Section:

1. Determine the length of the rail by placing the preassembled sections against the posts, allowing equal picket spacing on each end. Mark the inside of post measurement on the rails, add 7/8" to each side of the marked rail for rail embedment into the post.
2. Use the predrilled guide flange to drill a 1/4" hole 5/8" from the end of the rail.
3. Simply insert the rails into the routed posts 7/8". Just to the point where you can no longer see the predrilled hole.
4. Slide the drop rod into the screw boss located inside the post. The drop rod will be stopped by the screw in the bottom of the post.



IdealRail Rail Guide

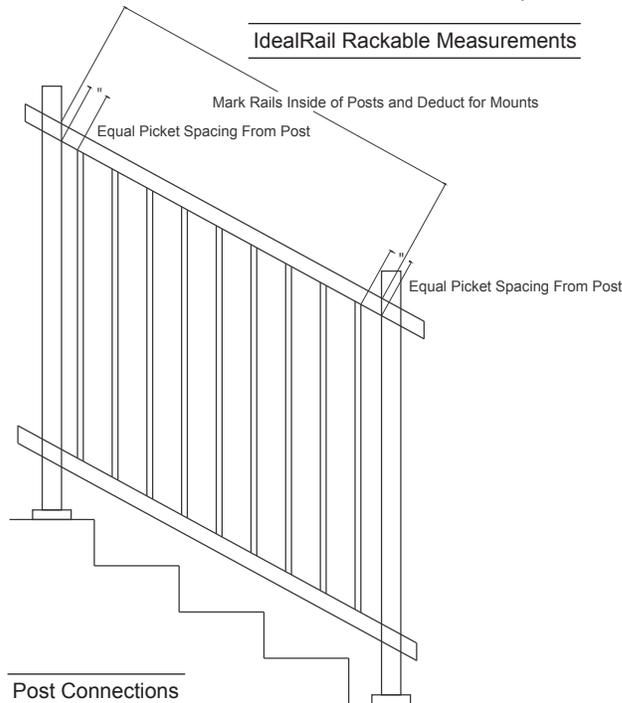


**Installing Rackable Rail Sections:**

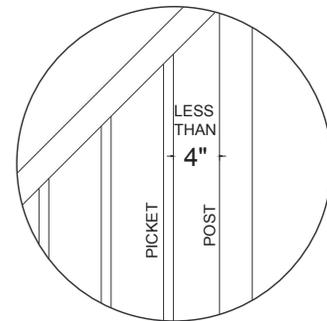
When installing rackable railing sections you will use the IdealRail adjustable mounts at the post or wall connection. Always double check the measurement from the post to the first picket to ensure you maintain less than 4" spacing after the adjustable mount is installed.

1. Set the top and bottom posts in install locations, typically 4" on center of post from edge of concrete or step edge. If the run requires line posts, lay them out equally in-between the top and bottom posts.
2. Rack the section to the correct angle of ramp/stairs and place next to the posts, allowing equal picket spacing on each end. Mark the inside of post measurement on the rails and deduct for the adjustable mounts. Rail will go 7/8" into adjustable mount.
3. Mark the post with the holes on the back plate of the adjustable mount at the appropriate height. Tighten the two-part adjustable mount at the correct angle with screw (provided) and fasten the back plate to the top post with self-tapping screw (provided). Slide rails into the adjustable mount attached to the post, slide the adjustable mounts on the open end of the rails and then attach to the bottom post.

IdealRail Rackable Measurements

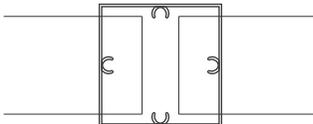


Post to Picket Detail

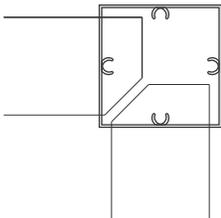


Post Connections

Line Post Connection



Corner Post Connection



Adjustable Mount Details

