

# CEILING RACK

Model # 11-7800



| PARTS LIST |                 |
|------------|-----------------|
| Qty        | Name            |
| 2          | Ceiling Post    |
| 4          | Arm             |
| 8          | Lag Screw       |
| 8          | Bolt            |
| 8          | Washer          |
| 8          | Lock Washer     |
| 8          | Bolt Head Cover |

**Tools Needed :** Tape Measure, Stud Finder, Electric Drill,  $\frac{1}{4}$ " Drill Bit,  $\frac{1}{16}$ " drill bit, Adjustable Wrench, and a Bar of Soap

**Note:** When determining Ceiling Rack placement, the base of the *Ceiling Post* must run parallel to the center of the ceiling joist; however, the *Arms* may be positioned in any direction.


## Step 1: Mount Ceiling Posts To Ceiling

### Important Safety Note:

*It is critical that the 4 lag screws securing each Ceiling Post to the ceiling are screwed into the center of a wooden joist. Screwing Ceiling Posts into just dry wall or the edge of a joist is not sufficient and could result in injury to self and damage to watercraft or vehicle.*

The length of your craft will determine the *Ceiling Post* spacing. Ideal spacing is 40% of total boat/board length, (boat/board length X 0.4 = spacing).

1. Use a Stud Finder to determine which way the ceiling joists run in your ceiling.
2. Hold horizontal part of *Ceiling Post* to the center of joist and mark a hole location at one end.

 Holds up to 100 lbs per SUP/Kayak  
Do not exceed 200 lbs total weight



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ATLANTA GA 30350



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## Step 1 Continued:

3. Test hole location to ensure it is at the center of a stud:
  - A. Drill a small test hole at marked location to verify you hit wood.
  - B. Drill a second test hole  $\frac{3}{8}$ " towards the right side of the joist.
  - C. Drill a third test hole  $\frac{3}{8}$ " towards the left side of the joist.
  - D. If all 3 holes hit wood, the original hole is good. If one of the test holes misses wood, move the original hole towards the wood side by  $\frac{3}{8}$ ".
4. Drill a  $\frac{1}{4}$ " hole at the proven spot. Soap the threads of a *Lag Screw* and insert through the hole in *Ceiling Post* and loosely secure so ceiling post can rotate.
5. Mark a hole location at the far end of the ceiling post using the stud finder as an aide.
6. Repeat Step 3 to ensure this hole is on the center line of the joist.
7. Drill a  $\frac{1}{4}$ " hole at the proven spot. Soap a *Lag Screw* and fully tighten the 2 screws.
8. Drill a  $\frac{1}{4}$ " hole in the remaining 2 *Ceiling Post* holes and secure with 2 *Lag Screws*.
9. Repeat steps 2-8 for the second *Ceiling Post*.

## Step 2: Attaching Arms to Ceiling Posts

*Arms* can be mounted on all four sides and in the upper or lower position of the *Ceiling Post* (see photos below for possible arm configurations).

1. Attach each arm using 2 *Bolts*, *Lock Washers*, and *Washers*. Tighten with wrench.
2. Cover bolt heads with *Bolt Head Covers*.

### Possible Arm Configurations



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## Step 3: Loading and Unloading Watercraft

1. Exercise caution and take your time when loading boats overhead. For the safety of both you and your watercraft, it is recommended to have two people work together to load and unload kayaks and canoes.
2. It is possible for one person to load a SUP safely using a ladder and the right technique. For a demonstration go to [www.suspenz.com](http://www.suspenz.com) and click on the link to the video, or scan the QR code on front.

**Expansion Options:** Add 1 kayak or up to 2 SUP's with *Ceiling Expansion Rack, Model #11-7801.*

NOTE: Maximum storage is 1 kayak *OR* 2 SUPs per side of ceiling rack.



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Suspenz® products are warranted for life against defects in material or workmanship to the original owner. Product must be used for its intended purpose under normal conditions. Please visit [www.Suspenz.com](http://www.Suspenz.com) for complete warranty information.

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