



Installation instructions for **THE MATT RACK™ Wake/Surf Edition** for tubular towers

Items included in your package:

- The Matt Rack back plate with straps installed
- The Matt Rack side plate (2)
- The Matt Rack front plate
- Rotator
- Offset
- Clamp w/ rubber insert and M10X20 socket head cap screw
- Hardware packet
 - 16ea 1/4-20x1 button head bolts
 - 4ea 1/4-20 acorn nuts
 - 1ea M10x30 socket head cap screw

Tools you will need to assemble:

- Cordless drill with 3/8" drill bit
- 5/32 allen wrench or socket
- 8mm allen wrench or socket
- 5mm allen wrench or socket
- 4mm allen wrench or socket
- 7/16 open end wrench or crescent wrench
- Small level
- Red Loctite if desired

Procedure:

- Remove all parts from the shipping box
- Assemble The Matt Rack™
 - Install the two side plates onto the back plate.
 - Insert the rectangular alignment stems on the side plate into the corresponding rectangular holes in the back plate.
 - Install 4ea 1/4-20x1 button head bolts thru the back plant into each side plate; tighten with the 5/32" allen wrench.
 - Install the front plate onto the side plates.
 - Align the 2 holes on each side of the front plate with the corresponding 2 holes in each side plate.
 - Install 2ea 1/4-20x1 button head bolts and 1/4-20 acorn nuts per side; tighten with the 5/32" allen wrench and 7/16" or crescent wrench.
 - Keep the button head side facing the outside of the rack.



- Install the clamp onto the tower.
 - Separate the clamp, take care to store your M6 bolts carefully.
 - Use your 5mm allen to remove 4ea M6 bolts from the bottom of the clamp.
 - Place the rubber insert on the tower in the location that you want to mount the rack.
 - Place the top ½ of the clamp over the rubber insert, ensure that the seam of the rubber insert will be located where the clamp comes together.
 - Install the lower portion of the clamp; take care not to wrinkle the rubber insert.
 - Install 4ea M6 bolts that were removed earlier.
 - Ensure that the face of the clamp is parallel with the tower at the height you desire
 - Tighten the 4 bolts; very snug (we will come back in a bit to tighten and install the set screw)
- Install the offset.
 - Place the offset onto the clamp, aligning the dowels on the clamp with the corresponding holes in the offset, install the M10 bolt into the clamp, just get it snug as we will revisit to tighten in a bit
 - The angle here is personal preference, this will be the final adjustment on where your mat will ride.
- Install the rotator onto the offset.
 - After you have the angle set on the offset install the rotator on the opposite end of the clamp with the provided M10X30 socket head cap screw.
 - Set the top of the rotator level with how the boat will set on plane (level)
 - **Step back and look at your installation, ensure you are happy with where the rack will ride in relation to the tower, the captain, the seats, the speakers, etc; keeping in mind that you will swing the mat inside the boat from time to time. If adjustments are needed, adjust the offset and the rotator per the above procedure until you are pleased.**
 - Once you are happy with the angles, tighten the two set screws on either side of the M10 socket head cap screw in the rotator. Get them tight as we are making a mark in the offset to drill pockets for them to rest.
 - Once you have set the set screws remove the M10 bolt from the rotator and set the rotator aside.
 - Take your cordless drill with 3/8" drill bit, and using the divots made by the set screws as your centers drill in each location to a depth of about ¼" (just past the cone of the drill bit), this will give your set screws something to ride in after you reinstall.
- Tighten the clamp.
 - Using your 5mm allen you need to tighten all 4 bolts in a crossing pattern. Using a wrench with a 4" handle (I use a stubby ratchet with socket) tighten them until you feel they are secure (with this small handle you are unlikely to break the bolts; not impossible but improbable).
 - Using your 4mm allen it is time to tighten the set screw in the clamp, you will need to tighten this very tight as well, remember it is penetrating the rubber insert and then contacting the tower, so it will get tight and then loosen just a little. (You are trying to make a divet in the tower.
- Tighten the offset to the clamp
 - Using your 8mm allen tighten this bolt, this should be very tight as well, remember you are setting the lock washer as well.
- Reinstall the rotator to the offset.
 - Install the M10X30 bolt, don't tighten just yet, just take all the slack out but still be able to rotate it on the offset.
 - Level the rotator as you did in the previous step, you can use the set screws to line up the divets, this will put you back to the same place.



THE MATT RACK



- Tighten the set screws, get these very tight.
- Tighten the M10X30 bolt, this will further seat the set screws into the offset.
- Install the preassembled rack.
 - There are 4 holes in a diamond pattern that will line up with 4 holes in the aluminum block on the front of the rotator.
 - Using 4ea 1/4-20X1 button head bolts install the rack to the rotator.
 - Add a drop of Loctite if you choose.

Once you have your mat on **THE MATT RACK** you will want to trim your straps, ensure that you leave enough strap for large lazy rolls on the mat.

ENJOY!!!