

Danard Dinghy Wheels

Model DW-3 Installation Instructions

First and foremost be sure that your outboard is turned off prior to installation, retrieving or deploying the dinghy wheels. We cannot stress this enough!!!

Also, these wheels are not meant to be used for towing or pulling your dinghy or "Runabout" other than by hand and at a slow speed.

To achieve optimum function and stability mount your system as far outward, vertical and equal level horizontally.

CHECK PRIOR TO DRILLING that you have clearance for the fasteners and washers both vertically and horizontally on BOTH sides of your transom. Do not mount as to drill through ANY integral attachment points of the transom or hull joints.

CHECK WITH YOUR BOAT MANUFACTURER IF YOU ARE UNCLEAR.

Also, be sure when mounted the wheels do not chafe the inside of the pontoon or are impeded during operation.

The wheels when deployed should offer enough clearance that one does not have to raise the outboard for beaching or launching. Check prior drilling your first hole that this is in fact the case.

When deployed, the distance from the bottom of the base to the bottom of a properly inflated tire (15-20 psi) will be 20" (51 cm) for your reference.

Due to the endless number of inflatable, runabout and outboard manufacturers/combinations, we cannot specify an "ideal" mounting level.

Common sense will have to apply given your particular make/model.

Note if you have a "long" shaft outboard, the outboard will most likely need to be raised to avoid damage. Please check prior to installation or deployment.

Installation

Place the base on the transom, ARROW POINTING DOWN! It may be helpful to place/clamp the entire deployed (arm/wheel attached) assembly to the transom to gauge how the installed assembly mounts and clearance required for your outboard prior to drilling. Using a square may also prove helpful.

Once your assembly is placed/clamped onto your transom and you have determined your specific fastener location (we advise to double check before you drill your first hole), you may either trace the perimeter of the base onto your transom and replace it with the provided mounting template or use a 17/64" drill (bit) to spot-"mark" the 2 required 1/4" holes for the pad eye and a 25/64" drill (bit) for the 1 required 3/8" hole for the button head (round head) fastener from the backside of the transom. Be sure not to move the base while doing this or damage the machined threads of the mounting base.

Note that the pad eye can be mounted be either high or low depending on what best serves your installation and/or sling requirement.

Drill your first "marked" hole through the transom. We recommend one dry fit the base with one of your fasteners after your first hole is drilled and re check your base alignment prior to drilling

your second hole. Repeat this process until all holes you will be using are drilled and both bases are completely "dry fitted" with all fasteners attached.

Remove the "dry fitted" bases. Using the hardware provided, place the 1/4-20 flat head machine screws through the pad eye and the 3/8" fender washer over the 3/8" button head fastener. Place a small amount of marine sealant on both the fasteners (**including threads**) and around the holes to be used on your mounting base to prevent water intrusion.

Repeat this process until all bolts have been inserted through the transom from the inside out.

* Be sure that the ARROW IS POINTING DOWN prior to attaching the ready base assembly onto the transom. Attach assembly onto transom.

It is advised to tighten the fasteners evenly (a few turns on 1 fastener, then a few turns on another etc.) for each base until your tightening process is complete. Check your mounting base alignment during your tightening process and if needed, adjust accordingly.

Clean any excess marine sealant that may be in the channel (so as not to impede function of the wheel/ arm assembly) and for a professional "finished" look.

ALWAYS TURN OFF OUTBOARD PRIOR TO DEPLOYING OR RETRIEVING THE DINGHY WHEELS !

- You may view photos at www.DaNardMarine.com for examples.
- If you have ANY questions, PLEASE visit our website or call us directly.
Tel. (805) 983-8285 or Fax. (805) 981-2178

BE SAFE AND HAVE FUN!

*** The spare tire tube and fastener kit included with your DaNard Dinghy Wheel system **ARE PROVIDED AS A COURTESY** for your convenience.

The fastener lengths are ideal for transoms with a 1" thickness.

Over 90% of inflatable transoms are this thickness.

If one requires (due to their unique transom thickness or installation requirement) a different length, the size of the fasteners provided are 1/4-20 U.S. threads for the pad eyes and 3/8-16 for the button head (round head). All fasteners included are 1 1/2" in length for reference.

Replacement fasteners should be available at your local Chandlery or Hardware Store if needed. We recommend stainless steel grade if a different length/replacement is required.

We recommend removing the wheel/arm assemblies from the bases when towing, at anchor or when not in use. That said...

We provide nylon set screws (in your fastener kit including a spare) to secure the wheel/arm assembly to the base to prevent accidental removal. If one chooses to utilize this option, simply screw in the nylon fastener into the empty 1/4 x 20 hole above the engraved U.S. Patent number. (after the arm is in place on the base) You will still be able to stow and deploy the wheels with the set screw in place.

Note that the screw must then be removed prior to removing the arm/wheel from the base. We personally do not use this option. Some owners however do.

*** Our experience has been 15-20 PSI is AMPLE pressure for your tires!**

*** Over inflating will cause permanent damage to tire!**