



**Congratulations  
on your new dock!**

# **ALUMINUM STATIONARY DOCK KIT QP-427D**

(# 21114)

This booklet will guide you through the steps you need to take to complete this project. Please read the instructions carefully to ensure that the assembly is carried out correctly and safely. To do so, please respect the following:

- > Make sure that all bolts and nuts are bolted properly.
- > Do not modify this dock system beyond the recommendations described in this manual. The warranty will be void if altered or repaired.
- > Wear protection glasses, gloves and work boots when assembling the dock.
- > Keep children and pets away while assembling your dock.
- > The load capacity of this structure is limited to 4 persons or 800 lbs (363 kg).

**Assembly and  
Installation  
Guide**



ASSEMBLE - ENJOY - SHARE

Toll-free line : 1-800-585-1237



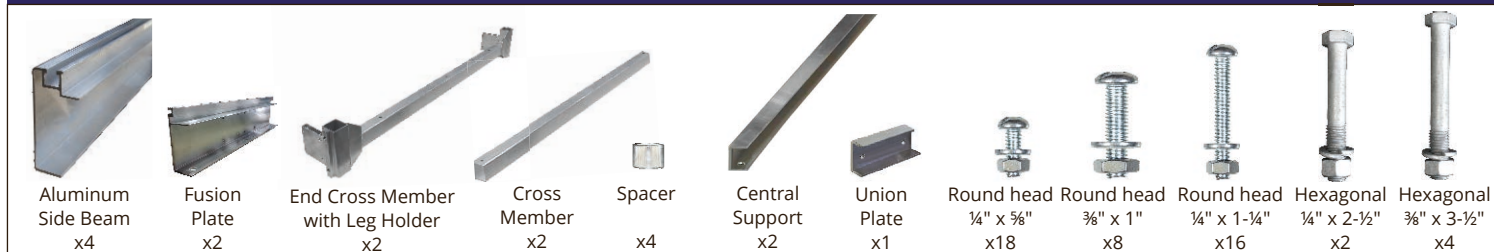
info@multinautic.com





# INCLUDED PARTS QP-427D # 21114

## Components included in the box for assembling the frame



## Components included in the box for the installation

## REQUIRED TOOLS



- > Wrench and ratchet 7/16", 9/16" and 3/4"
- > Cordless drill with 9/64", 11/64", 1/2" drill bits and Phillips bit #3
- > Measuring tape
- > Saw
- > Hammer
- > Sledgehammer

## CHARACTERISTICS OF A STATIONARY DOCK

- > This is the ideal option for shallow water. You can install a stationary dock in a maximum of about 4 feet of water otherwise installation and removal will be difficult.
- > The stationary dock is usually installed without anchors and you should not rely on it to hold your boat during a storm, or to protect it from large waves created by other boats.
- > A stationary dock is recommended if bad weather causes waves of up to 3 feet. If this is the case, you will have to moor the boat away from the dock. Some people choose to install a boat lift or hoist it up a mooring ramp.
- > A post dock is not recommended in a body of water that often fluctuates more than 2 feet in a short period of time. A floating dock would be more appropriate in this case, otherwise you may have to adjust its height several times during the season.
- > Never leave a stationary dock in the water for the winter because of damage caused by spring ice movement and the weight of snow. When storing, remove the posts and leave your decking in place. They can be stacked flat (upside down to prevent wood fading from the sun) or vertically on their sides.

## INSTALLATION TYPES

The QP-427D 12 ft (3.66 m) model is an aluminum dock that meets the growing demand for a dock that allows for installation with lightweight plastic decking. You can therefore choose between polymer panels or wood decking. It is sturdy, modular, easy to assemble and light to handle. It is suitable for installation on posts or wheels and you can easily adjust its height. Its configuration can evolve according to your needs and it can easily be enlarged or modified over the years. Although this model has many features also present in the 2.44 m (8 ft.) long QP-427 dock kit, its width is different, which restricts straight-line combinations. Note that this dock structure **cannot** be installed with floats, nor can it be used as a starter for a semi-floating or floating dock.

### AVAILABLE DECKING OPTIONS

# 21154 Sand color  
# 21159 Grey  
48 in. x 48 in. Polymere Panel  
(Requires an Aluminum Stringers Kit #22016, sold separately)

#22016  
Kit of two 12 ft. Stringers for decking boards requiring more supports (i.e. polymere or composite boards)

### QP-427D™ DOCK KITS INCLUDING DECKING PACKAGES

# 21115 Sand color / # 21116 Grey  
Kit includes:  
> 51 in. x 120 in. Dock Kit #21114 (1x)  
> 48 in. x 48 in. Polymere Panels #21154 or 21159 with self-drilling screws (3x)  
> Aluminum Stringers Kits #22016 (2x)

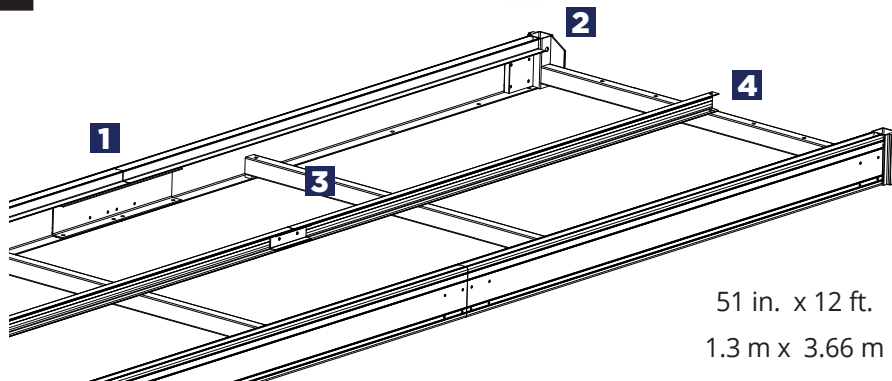
# 21123  
Kit includes:  
> 51 in. x 120 in. Dock Kit #21114 (1x)  
> Premium Kiln-Dried Western Cedar Decking Kit w/screws #21179 (1x)





Before starting assembly, we strongly recommend reading the instructions on page 5 as configuration adaptors may be combined with the structural parts.

Place the parts to be assembled on the floor to visualize the steps to follow. Combine the aluminum parts by following the steps illustrated below. Screw the nuts by hand to start and once completed, tighten the assembly. If it is difficult to insert a bolt into a hole, you can enlarge it by passing a metal drill bit through it.



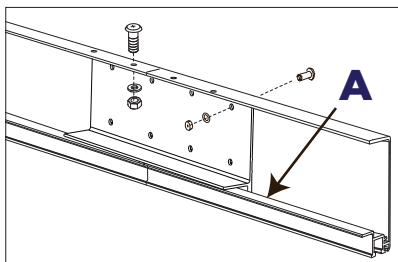
## 1 SIDE BEAMS

Assemble the four (71-1/4 in.) Side Beams to create the two lengths that will become the sides of your dock by inserting the Fusion Plates into the opening (A). Join them using the small 1/4" x 5/8" bolts on the sides and the 3/8" x 1" bolts in the bottom edge.

Round Head Bolts  
1/4" x 5/8"  
x 16



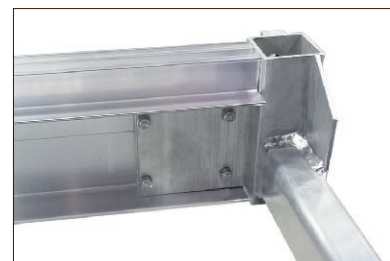
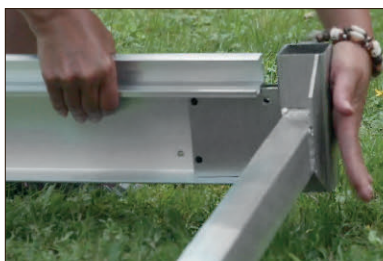
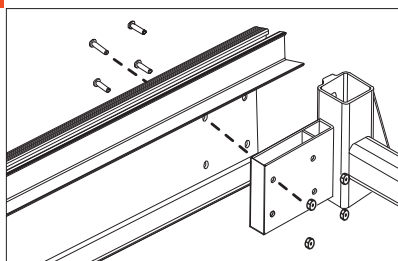
Round Head Bolts  
3/8" x 1"  
x 8



## 2 END CROSS MEMBERS

Insert the 2 End Cross Members in the Side Beams and bolt using the 1/4" x 1-1/4" bolts.

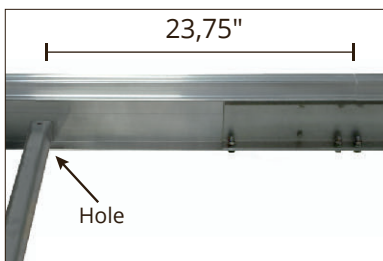
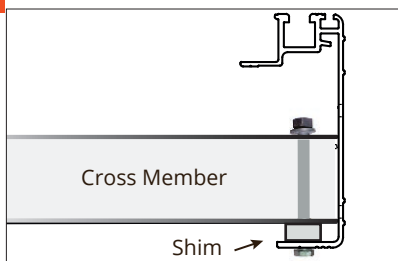
Round Head Bolts  
1/4" x 1-1/4"  
x 16



## 3 CROSS MEMBERS

Find the holes located at 23 3/4" from the center of the dock in the bottom edge to attach the cross members. They must be combined with the shims as shown with the 3/8" x 3-1/2" bolts.

Hexagonal Bolts  
3/8" x 3-1/2"  
x 4



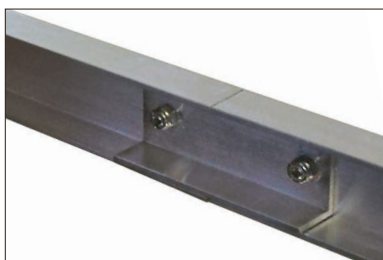
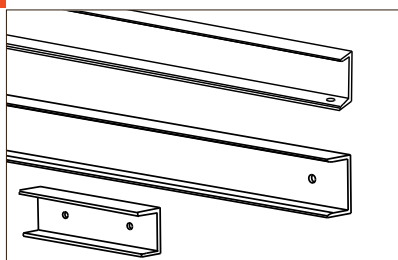
## 4 CENTRAL SUPPORT

Merge the 2 lengths of Deck Support with the Union Plate using two 1/4" x 5/8" bolts. Locate the center holes on the End Cross Members and attach this Support using the 3/8" x 2-1/2" hexagonal bolts.

Round Head Bolts  
1/4" x 5/8"  
x 2



Hexagonal Bolts  
3/8" x 2-1/2"  
x 2



**MAINTENANCE** Aluminum requires no special maintenance. However, due to exposure to air and water, a thin greenish layer can accumulate on its surface. If light scratches appear, you can remove them with a plastic scouring pad, but neither green moss nor light scratches will affect the strength of the dock.

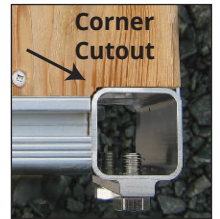
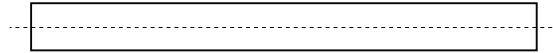
# **DECKING**

As indicated on page 2, different types of decking can complete this dock. Multinautic® offers pre-configured packages of cedar or polymer decking. Those Decking Kits have their own installation guide. If you prefer to install your own wood, here are the required elements for its construction and the steps to follow:

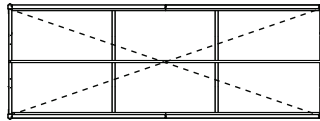
- > 150 deck screws #8 x 1 3/4"
- > 18 flat head stainless steel screws #10 x 1 3/4"
- > 17 cedar planks: 5/4 in. (actually one-inch thick) x 6 in. x 8 ft (2.43 m)



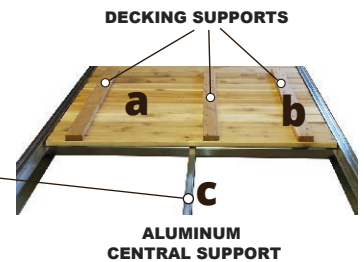
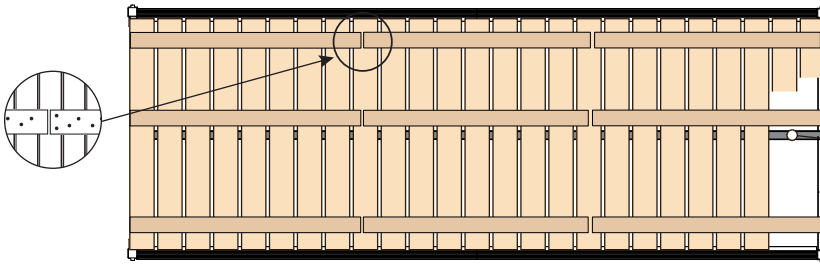
- 1** Cut the boards into 48" lengths. To save on wood, if you are assembling more than one dock section, you can split nine of these 48" boards into narrower lengths that will be used as decking supports for panel assembly (choose the less nice ones). Make cutouts in the 2 end boards to adjust them to the corners (6 mm or 1/4" approx.)



- 2** Install the structure at table height, with 4 posts (or any kind of support at one end if you only have one dock section). Check the squareness by measuring it in an X-shape from corner to corner. The 2 dimensions should be +/- 1/8 in. (4 mm).



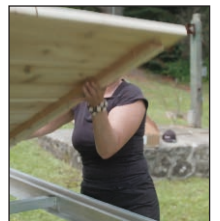
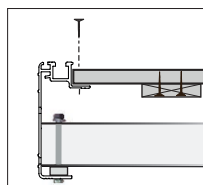
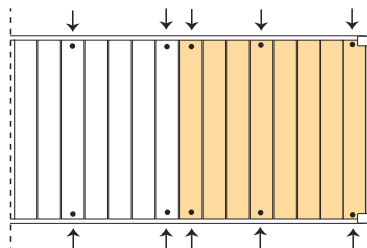
- 3** You will assemble the 3 decking panels upside down and then turn them over. This way, you will not see the screw heads on the finished product. Note that the center panel will have 9 boards and the other two, 8. Place the Decking boards (a) on the frame, with their nice side down, all leaning against the same side. Place the Decking Supports (b) 2.5" from the sides and three, next to the Central Support (c), so as not to conflict with it.



- 4** Before screwing these decking supports into the boards (6 screws per board), make sure that the spaces between the boards are equal (+/- 3/8" or 9 mm) and that the decking supports are positioned parallel to each other. Pre-drill these supports at the ends with a 9/64" drill bit to prevent cracking. When screwing, make sure that the support is well rested on the board and that no space is created between the two pieces.



- 5** Once assembled, turn your panels over. Drill a 11/64" hole in the corner of a panel, through the wood and the aluminum support lip and insert a #10 x 1 3/4" stainless steel screw. Do the same at the other end of the board and repeat in the other 2 corners and in the center of the panel. Then repeat the steps with the other 2 panels.



**MAINTENANCE** Important: Do not use wood treated with ACQ (green). We strongly recommend cedar: it's light-weight, maintenance-free, naturally resistant to insects and mildew, and can be installed as is. Refer to your lumber dealer if you wish to apply a protector.



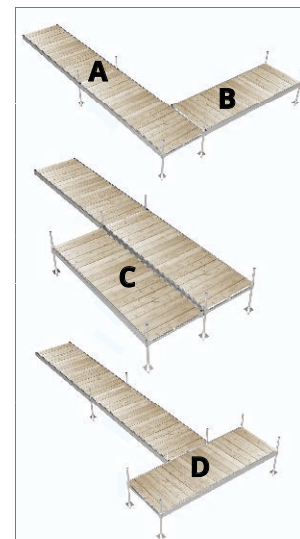


# INSTALLATION

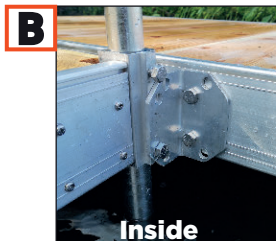
## JUNCTION PLATES AND LAYOUT ADAPTERS

Plan the installation of your docks according to the possibilities shown in the diagrams beside. Whether end-to-end (**A**), "L" shaped (**B**) or parallel (**C**), there are many possible combinations. Note that:

- > the Junction Plates (**A**), for a straight line installation, will be combined with the Leg Holders with the stainless steel hexagonal bolts;
- > the Corner Adapters (**B**) will use the bolts of a Leg Holder and their own 1/2" bolts with nut. You will need to drill the Aluminum Side Beam with a 1/2" drill bit to install them. Depending on your use of the dock, it may be necessary to add a post in this corner;
- > the Parallel Adapters (**C**), which are used to create a platform, will use their own 2" round head bolts to be connected to the wings of the Leg Holders;
- > to create combination "D", you will install the Corner Adapters (**B**) using their 1/2" x 1" bolts with nuts and drill the aluminum with a 1/2" drill bit. You will also need additional posts.



Reverse the part for an inclined start section



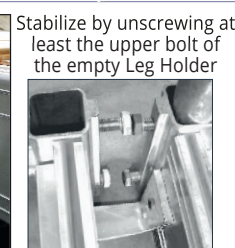
With or without extra post, uses only one bolt on the leg holder



Reverse the part according to the junction Inside or Outside



To reduce the space between the docks, you can screw a 2" x 4" board on one side.



Stabilize by unscrewing at least the upper bolt of the empty Leg Holder

## POSTS AND BASE PLATES

Whatever your configuration, the first section will be placed on the ground and the 2 posts will be located in the water. Note that the first section does not require junction plates.

- > The Posts can be inserted into the Leg Holders, high enough so as not to interfere when moving the dock to its final location; once in the water, adjust them to the right height and tighten them only slightly. It would be a good idea to coat the threads of the bolts with grease.
- > Attach the base plates to the posts, leaving about 6" (15 cm) below the post (a little more if the lake bottom is muddy or a little less if it is very hard). When you reach the right spot for the dock, drive the posts to the Base Plates by pressing down with your foot on the Base Plate or by hitting the Post with a sledgehammer.
- > Adjust the height and level of the platform and tighten the top bolts of the Leg Holder. For a straight line installation, use the bottom bolts to connect the next section on which the junction plates will be installed. Tighten the 4 bolts of the last section.
- > Multinautic® Posts can be cut. Leave at least 16" protruding above the dock for possible adjustments during the season. Then install the PVC Caps.
- > For demanding conditions, you can add reinforcements Braces (product #22034).



## 24 in. DOCK WHEEL KITS

To make installation and removal easier or move the dock as the water level changes, you can add sets of wheels with hubs. We recommend anchoring a wheeled dock with concrete blocks and chain since the posts will not be driven into the ground (pair of Anchor Chain Hooks for aluminum docks, product #22063).







## Suggestions of complementary products for your QP-427D™ Stationary Dock

### Choice of dock ladders

- > made of aluminum or steel
- > straight or angled
- > swinging or detachable
- > load capacity of 250 or 400 lbs



### Mooring Accessories

- > Aluminum & PVC 30 in. adjustable Vertical Bumpers
- > Aluminum Mooring Cleats with "T" Head Bolts
- > PVC Bumpers for dock sides, dock corners, dock posts
- > Nylon Dock Lines



### Installation Accessories

- > Diagonal Brace #22034
- > Additional Posts (4, 6 or 8 ft.) and Base Plates for special configurations
- > 24 in. Dock Wheels with galvanized steel Hubs

### Complements for leisure and safety

- > Kayak or SUP Storage Racks
- > Low Deck for easy access to water, boards and kayaks
- > Kayak Launcher for safe and easy onboarding
- > Small boat and PWC Mooring Ramp Kits



**SHOULD YOU ENCOUNTER ANY DIFFICULTIES WITH THIS PRODUCT, DO NOT RETURN IT TO THE STORE. PLEASE CONTACT OUR CUSTOMER SERVICE AT 1-800-585-1237 TOLL-FREE**

## Limited Warranty

Multinautic® hereby warrants to the original consumer purchaser only that this product will be free, in normal use, of any defects in materials and workmanship for a period of one (1) year from the consumer's original date of purchase directly from Multinautic® or from a Multinautic® authorized reseller. At its sole option, Multinautic® will repair or replace the defective product and promptly return it to you. In order for this warranty to be valid, the consumer must, at the time the product is returned, provide proof of purchase in the form of the original purchase receipt directly from Multinautic® or from a Multinautic®-authorized reseller. If Multinautic® elects to replace the defective product, then Multinautic® reserves the right to replace the defective product with another product of the same model or a model of at least comparable quality and features in Multinautic®'s sole determination. A reimbursement cannot exceed the amount paid by customer and is limited to the replacement of the defective product.

If you believe this product is defective within the warranty period, call Multinautic® for a Return Authorisation Number (RAN), carefully repack the unit, insure it and return it with proof of purchase, postage prepaid, to Multinautic® at 2330, Jean-Adam, St-Sauveur, QC, Canada, J0R 1R2. Write the RAN on the shipping label. Any product sent without RAN will be refused and returned freight collect to sender.

This warranty is not transferable. This warranty does not apply in cases of abuse or misuse of the product, use contrary to Multinautic®'s instructions, an act of God, negligent use, purchase from a party other than a Multinautic® authorized reseller, unauthorized repair, or modification of the product.

ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED TO THE EXTENT PERMITTED UNDER APPLICABLE LAWS AND, TO THE EXTENT NOT PERMITTED, ARE HEREBY LIMITED TO THE DURATION AND TERMS OF THIS WARRANTY. MULTINAUTIC® ALSO HEREBY DISCLAIMS ALL LIABILITY FOR INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES. Some states or provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state or province to province. This warranty does not restrict the rights of the consumer mandated under applicable laws. THIS WARRANTY SUPERSEDES ALL OTHER WARRANTIES THAT ARE ASSOCIATED WITH THIS PRODUCT.