**QP-320™**

**Congratulations
on your
new dock!**

ALUMINUM TRUSS FRAME STATIONARY DOCK KIT QP-320

(# 21711)

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 appropriate protective equipment when assembling.
- > Keep children and pets away while assembling your dock.
- > The load capacity of this structure is limited to 4 persons or 1000 lbs (454 kg).

**Assembly and
Installation
Guide**



ASSEMBLE - ENJOY - SHARE

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

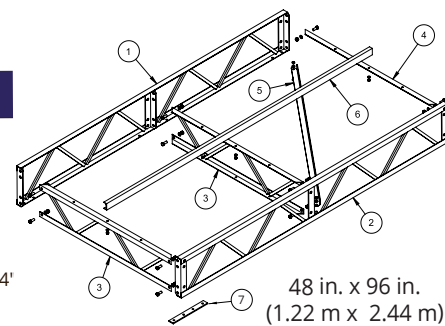
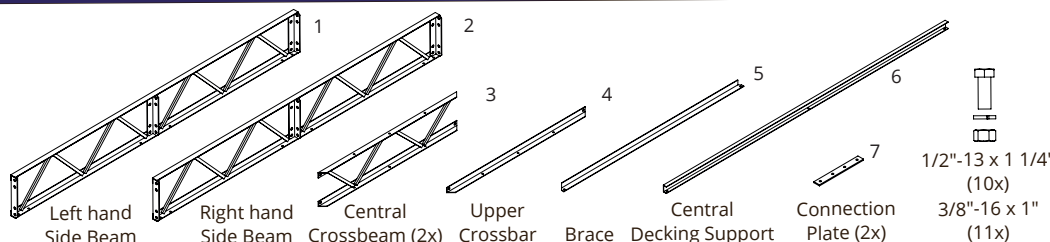


info@multinautic.com



REQUIRED MATERIAL

Components included in the box for frame assembly **No. 21711 QP-320**



Complementary hardware sold separately



Finishing
Central Crossbeam
w/ mounting hardware
No. 21710



Two 6 ft
or 8 ft Posts
No. 24012
or **24013**



Base Plates and
PVC Caps (2x)
No. 19175



2 Leg Holders
No. 21705



Dock Links
No. 21701

No. 21073



No. 21074
Starting Ramp 48 in. x 48 in.
with cedar or polymer decking

REQUIRED TOOLS

- > 9/16" and 3/4" wrenches
- > 3/4" universal joint set
- > Tape measure
- > Level
- For decking:
- > Phillips screwdriver
- > Cordless drill with square bit no. 2, 9/64" and 11/64" drill bits
- > Saw
- > 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 pile dock in the water in the winter due to damage from spring ice movement and the weight of snow. When storing, remove the posts and leave your decking in place.

INSTALLATION TYPES

The QP-320 4' x 8' dock is an aluminum dock that meets the demand for ultra-lightweight, easy-to-install docks. It is sturdy, modular and easy to assemble. This dock also has the advantage of accepting polymer decking. It can be installed on posts or on wheels and you can easily adjust its height. Its configuration can evolve according to your needs and it can easily be expanded by adding sections. Please note that this dock structure **cannot** be installed with floats or used as a floating dock starter section.

Please note that the contents of this box are the basic elements needed for dock frame. However, it must be combined with another dock section to create a complete Dock System. If it is installed alone or at the end of a complete Dock System layout, you must add a Finishing Central Crossbeam (product **No. 21710**) similar to the Center Crosspiece (see above).

AVAILABLE DECKING KITS FOR 1 DOCK SECTION OF 4 FT. x 8 FT., QP-320™ No. 21711

If your dock kit does not include decking, you can purchase Custom Cedar Kits or Polymer Panels.

No. 21183

- > Kiln-dried Western Cedar planks, sanded and cut to size for a 4' x 8' QP-320 dock section;
- > 102 wood screws and 8 stainless steel screws



No. 19145

(requires Supports No. 22012 sold separately)

- > One (1x) grey Polymer panel of 48 in. x 48 in.
- > 10 self-drilling stainless steel screws



No. 22012

Supports required for a 4 ft. x 8 ft. dock section for decking requiring more reinforcement such as polymer or composite



HDG Hex bolts
3/8" x 1"
(6 x)

Aluminum Profiles
96"
(2 x)



INSTALLATION

Here is an overview of the steps required to install your dock. The assembly instructions described in the following pages and the installation requires the collaboration of 2 people for a proper and safe installation.

POSTS AND BASE PLATES

Under normal use, this dock only requires Posts every 16' (2 sections).
An 8' x 8' platform must have posts at all 4 corners.

- > Before installation, the Posts can be inserted in the Leg Holders, high enough not to interfere when you'll install it; you will adjust them to the right height once in the water, so tighten only slightly. It is recommended to coat the bolt threads with white grease.
- > Attach the Base Plates to the posts, leaving about 6" (15 cm) of post underneath (a little more if the lake bottom is muddy or a little less if it is a very hard bottom).
- > Once in the right place in the water, release the Posts from the Leg Holders, one at a time; drive the Post until the Base Plate rests on the ground by pressing it with your foot or by hitting the Post with a sledgehammer.
- > Adjust the height and level of the dock at each Post location and tighten the locking bolts.
- > Multinautic® Posts can be cut. Leave at least 16" (40 cm) above the dock for possible in-season adjustments.
- > Install the PVC protective Caps.

DOCK WHEELS KIT

This lightweight dock design allows for a long distance (16 ft.) without support when wheeling it in place facilitating installations and removals, or to move the dock as the water level changes. You can add 24 in. wheel assemblies. The QP-320 dock system features an axle that connects the wheels on each side and allows for installation under the dock, freeing up space around the dock for swimming or small boat docking.

- > First, install the T-Adapters on the Posts using a 1/4" hex key. Adjust their position and height so that they match the 2 piles.
- > Slide the 2 locking rings onto the axle.
- > Insert the wheels at each end of the axle, their protruding part towards the outside.
- > Insert the axle into the "T" Adapters, centering it so that it does not protrude outside the Adapter. During the launching operation, if the ground has grading defects that require a longer wheelbase for balancing the 4' wide docks, obtain a longer axle (at least 78" long and 1 11/16" in diameter or an 8' post **No. 11005**). You will need to cut it to length or add protective vinyl caps **No. 15055**.

For a particularly difficult location or use, we recommend anchoring a rolling dock with blocks and chain stretched underneath the dock since the wheeled piles will not be driven into the ground. This can be easily installed with a pair of Chain Hooks specially designed for aluminum docks, product **No. 22063**.

STARTING RAMP

The 4' x 4' Starting Ramp, to connect the dock to the shore or create an inclined ramp on land, is simply installed with a bolt on each side. This product is available separately, see Page 2.



Ensemble shown : 21736



Ensemble shown : 21768



PLANNING

Plan your dock installation according to the possibilities shown in the diagrams below.

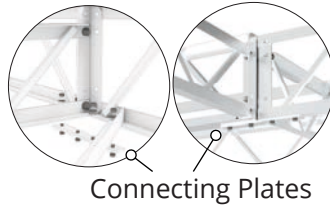
Whether end-to-end (**A**), L-shaped (**B**) or parallel (**C**), each configuration has its own particularities.

> A straight line assembly requires posts every 16'. However, it is possible to add some if needed.

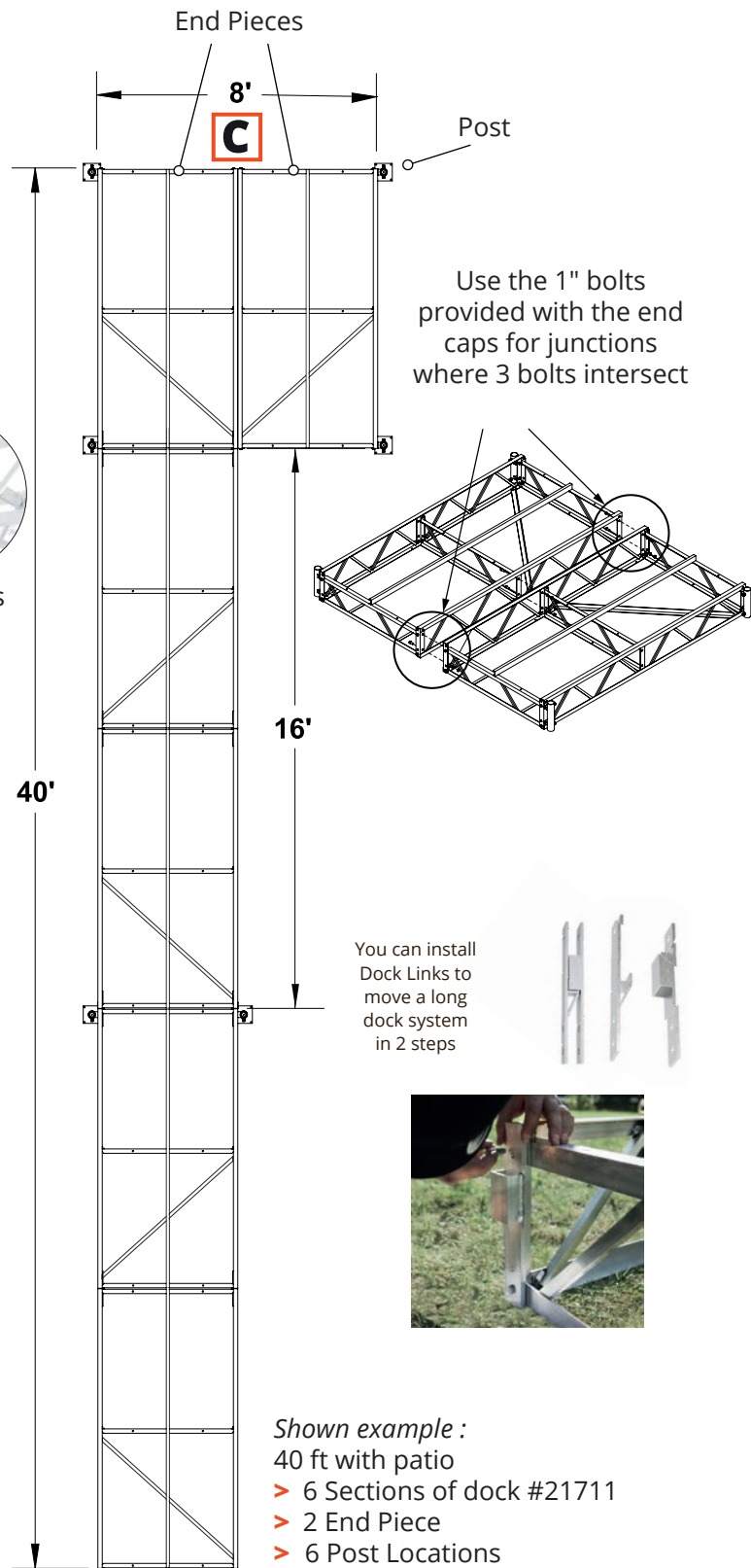
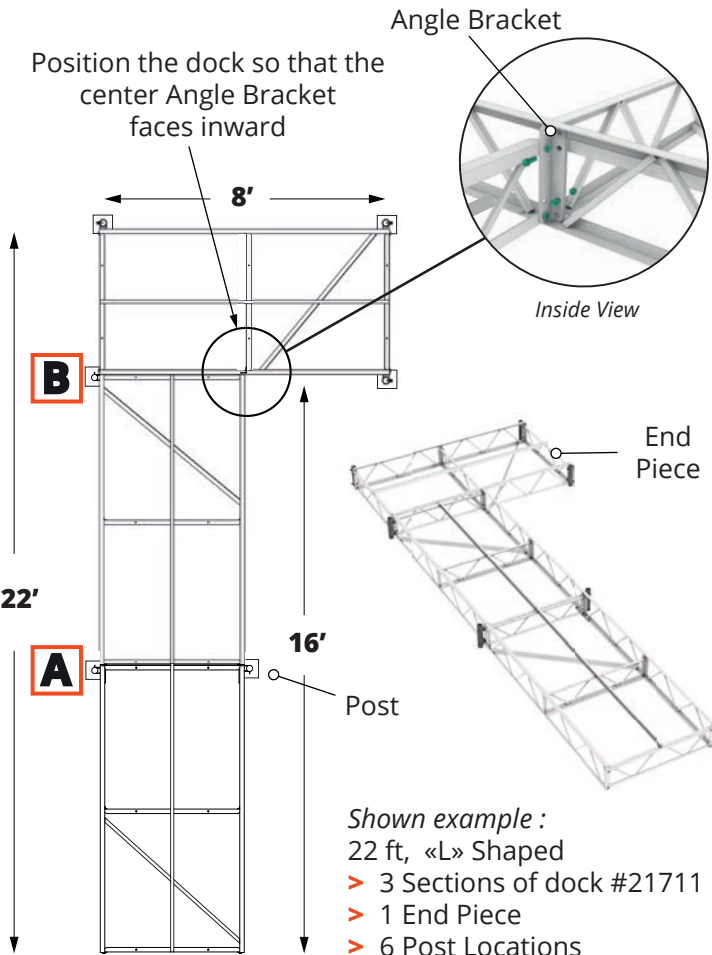
> An "L" configuration is not recommended for a wheeled installation

> A P-shaped rolling dock with an 8' x 8' patio must have posts on all 4 corners of the platform

IMPORTANT: Make sure that no one walks on the dock until you have added all the required Connecting Plates under the dock junctions.



Connecting Plates



> Posts are required at a minimum of every 16 ft. and at the 4 corners of the 8' x 8' patio.

> In anticipation of the possible addition of dock wheels, or Dock Links, determine on which dock section the piles will be placed at the junction of two sections.

> As Leg Holders can be installed on both sides of the a corner, clear your preferred side for mooring small boats.

These examples are intended to provide you with the best possible guidance in planning your project. However, some areas may require different anchoring or installation methods; we cannot list them all here. Furthermore, we cannot be held responsible for any incidents or damages that may result from the use of any other configuration not suggested or the techniques suggested in this document or on our website.

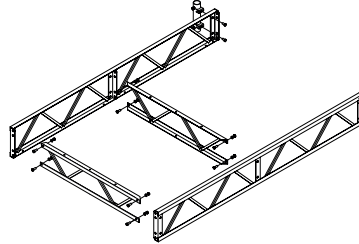
Before starting the assembly, refer to the PLANNING page since different structural parts will need to be combined depending on your choice of configuration. Lay out the parts to be assembled on the floor to visualize the steps to follow. Screw the nuts by hand to start and once the assembly of all the docks is completed according to the final configuration and the adjustments to the connections made, tighten everything.



1 CENTRAL CROSSBEAMS

Start by bolting the 2 Central Crossbeams (2 V-shaped rafters up) to the Left and Right Side Beams. Locate the holes in the 8' lengthwise angles of the Side Beams. They should be placed at the bottom.

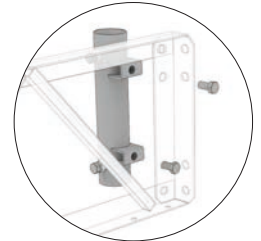
Bolts
1/2" x 1-1/4"



2 LEG HOLDERS

If your starting section is to have posts, install the Leg Holders now. This will make it easier to insert the bolts in the next steps. If they are required on the second section, you will install them after connecting the 2 dock sections (step 3).

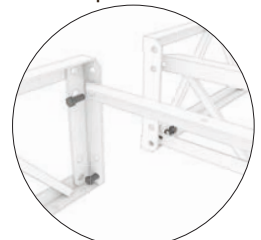
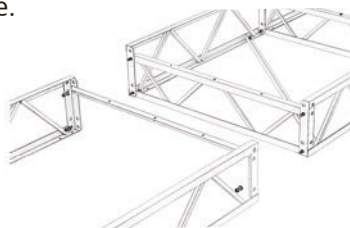
Bolts
included with the
Leg Holders



3 CONNECTING SECTIONS

The dock sections will be bolted together end to end connecting the End Central Crossbeam of one dock section and the Upper Crossbar of the other dock. To assemble a patio, refer to the PLANNING page.

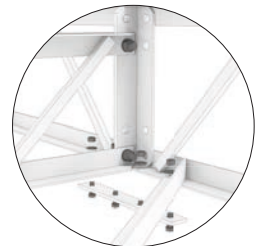
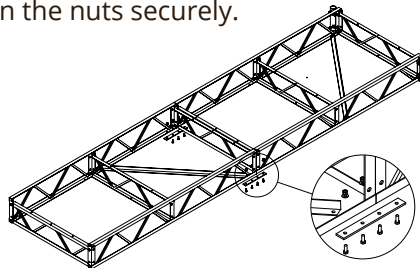
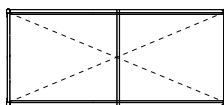
Bolts
1/2" x 1-1/4"



4 BRACES

Before installing the Brace, check and adjust the squareness of the structure by measuring an "X" from one corner to the other. The measurement should be the same within 1/8" of each other. Also, the width must be 48 in. Oblong holes allow adjustments. You can combine the Brace with the Connection Plate using the same hole. Adjust the squareness, then bolt the other end. Tighten the nuts securely.

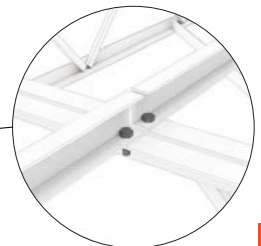
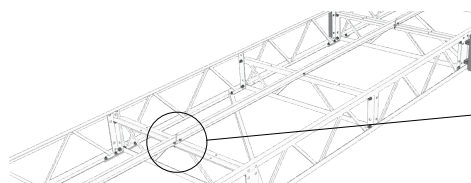
Bolts
3/8" x 1"



5 DECKING SUPPORTS

The remaining Connection Plates can be installed once the dock is on its posts. Complete by adding the Center Decking SupportS that will prop up the decking panels. Bolt in place at the center and at the ends.

Bolts
3/8" x 1"



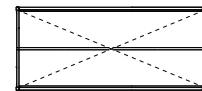
CEDAR DECKING

As shown on page 2, Multinautic® offers a pre-configured cedar decking kit **No. 21183**. If you prefer to purchase the wood to be installed yourself, here are the components needed to build it and the steps to follow for a 4' x 8' dock section. To facilitate handling, you will assemble the decking in 2 panels. For side by side docks, refer to step 5.

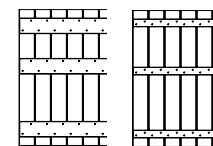
- > 102 deck screws #8 x 1 3/4"
- > 8 stainless steel screws #10 x 1 3/4"
- > 12 cedar planks 8' 5/4" x 6" (read Step 2)



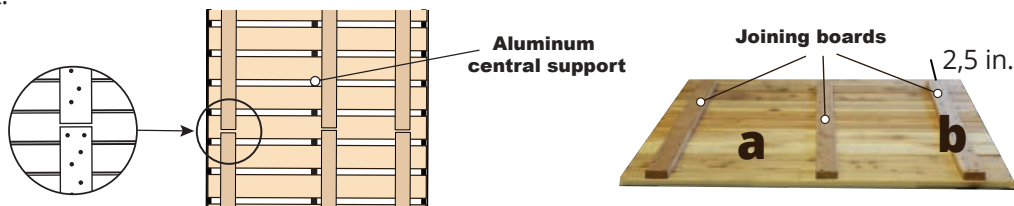
1 To facilitate assembly, install a 4' x 8' section at table height with 4 posts (or some other support). Recheck the squareness by measuring in X from one corner to the other. The 2 dimensions should be equal to +/- 1/8". If you have multiple dock sections, prepare your panels on this structure. You will screw them onto the other dock sections at the end of the assembly.



2 Cut the boards into 48" (113.3 cm) lengths. To save on wood, you can split the less aesthetic boards into lengths to be used as joining boards.



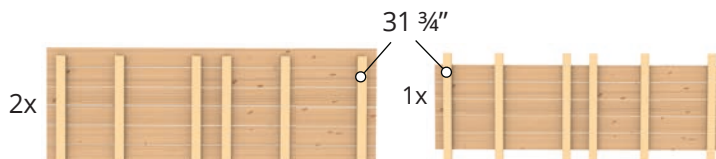
3 Assemble the panels upside down. This way you will not see the screw heads on the finished product.
 > Lay the decking boards **(a)** on the frame with their good side down, all aligned on the same side.
 > Place 4 union boards **(b)** 2.5" from the sides and the other 2 near the center so as to clear the aluminum center support.



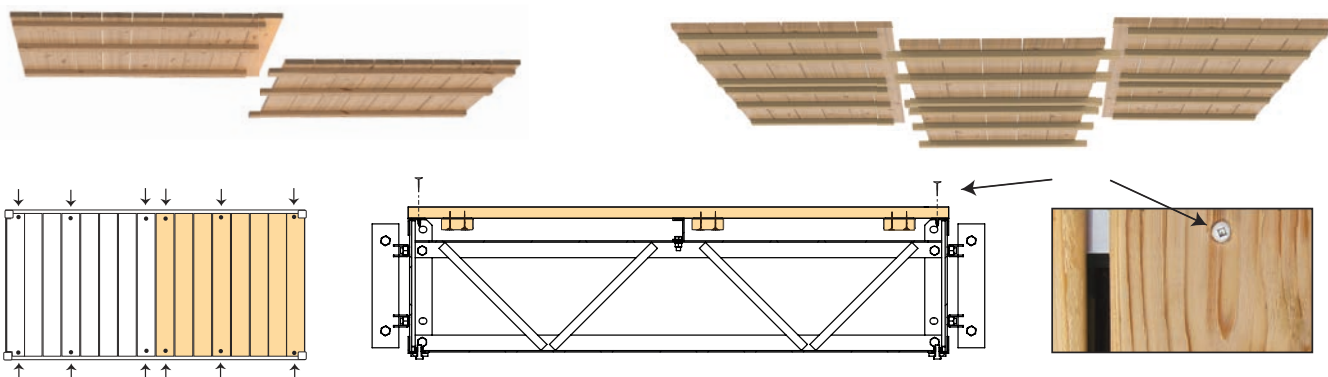
4 Before screwing the joining boards (2 screws per intersection), make sure that the spaces between the boards are equal (+/- 3/8" or 9 mm) and that the decking supports are parallel. Pre-drill these supports at the ends with a 9/64" bit to prevent cracking. When screwing, make sure that the support is well supported on the board and that no gap is created between the two pieces.

5 For 8' x 8' patios (2 sections of docks in parallel) you can use 17 boards at their full length for a joint-less finish. Assemble the decking in 3 panels of 6, 6 and 5 boards of 8 ft. with 18 union boards of 31 3/4 in.

- > 210 deck screws #8 x 1 3/4"
- > 12 s.s. screws #10 x 1 3/4"
- > 17 cedar planks 5/4" x 6" x 8 pi
- > 18 cedar boards 5/4" x 2,5" x 31 3/4"



6 Once assembled, turn your panels over. Drill a 11/64" hole in the corner of one panel, through the wood and the top of the aluminum rail and screw in a stainless steel screw. Do the same at the other end of the board. Repeat the operation in the other 2 corners and in the center of the panel. Repeat the operation with the other panels.



MAINTENANCE: We strongly recommend choosing cedar: it is light, soft to the touch, maintenance-free and can be installed as is, without priming. Refer to your wood dealer if you wish to apply a protector.



POLYMER DECKING

As mentioned on page 2, you can install Polymer Panels on this QP-320TM dock model. Your structure has a Central Support, but to install Polymer Panels, you will need to add two Supports to reinforce them. Here is how to install them and the panels that need to be supported every 12 in.

For each 4' x 8' section, you will need:

> 4' x 4' panels that include 10 self-drilling screws (**No. 19145** x2)

> 1 set of two 96" aluminum extrusions with 6 bolts (**No. 22012** x1)

If you choose another type of decking, refer to the manufacturer's guide to determine the number of supports required.

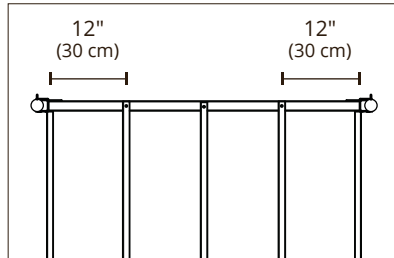


1

On the end rails, locate the holes 12" from the sides and attach the 96 in. aluminum Decking Supports with the 3/8" x 1" hex bolts.

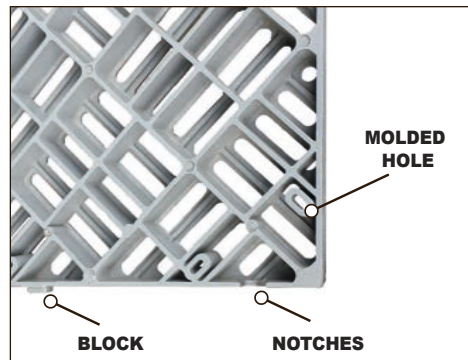


Hex. galv.
3/8" x 1"
(6 x)



2

Place the Panels on the dock. Interlock them by aligning the blocks and notches. Note that you must space the Panels slightly apart (1/8") to allow for the expansion of the material, which varies with temperature and exposure to the sun.

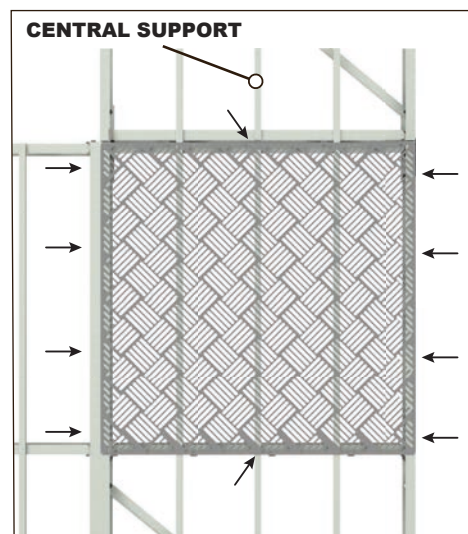


3

Make sure the panels are centered. Locate the molded holes and screw them into place with 10 self-drilling screws per panel: two through the Central Support and four on each side in the dock into the Beams.



Self-drilling Screw
#10 x 1 1/4"
(10x)



Suggestions of complementary products for your **QP-320™ Stationary Dock**



See the exclusive elements of this dock system on page 2

> Complete set of 24" plastic wheels for docks up to 4' wide.
22026

> Complete set of 24" plastic wheels for docks up to 8' wide.
22030

> Aluminum T-adapter and locking ring for 1 11/16" wheel axle and posts up to 2" OD (pair)
22011

> Posts (3, 4, 6 or 8 ft.)

> Base plates 6 in. x 6 in. or 6 in. x 12 in.
11107, 11108



> Reinforced P-Shape Bumper, 8 ft. black
15062

> Truss head stainless steel 1" screws for bumper installation (100x)
15031

> Diagonal leg brace for 4 ft. large dock
22034

> Choice of Dock Ladders

- detachable or with flip-up kit
- straight or angled
- capacity of 250 or 400 lbs

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PLEASE CONTACT OUR CUSTOMER SERVICE AT 1-800-585-1237 or**

info@multinautic.com



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.

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