



Thank you for purchasing Pier of d’Nort. This guide will help you with **Pier Installation** including assembly, install, and leveling your pier safely and effectively. Inside, you’ll find step-by-step instructions, diagrams, and important safety information. Please read everything before beginning installation to ensure stability, durability, and long-lasting enjoyment of your pier.

Important Warranty Disclaimer

Use only the components provided with your pier. Any modification or use of non-approved parts may compromise stability and safety and will void the warranty. Improper installation, handling, or use may result in structural failure, personal injury, or property damage.

DANGER	DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury
WARNING	WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury
CAUTION	CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury
NOTICE	NOTICE is used to address practices not related to physical injury

WARNING	Never install a pier in unsafe conditions. All piers are aluminum.
NOTICE	Clear any dirt or sand that may have gotten into the leg sleeve.
NOTICE	On the install video there is an older model of the Variable section which no longer applies if you have the newer model.
WARNING	Pier sections could be too heavy or awkward —Two people may be needed to avoid injury.
CAUTION	Do NOT hook onto the swivel hook which is the loose swinging hook.
CAUTION	Keep hands and fingers clear of welded latch plate hook while connecting to mounts or pier sections—pinch hazard.
WARNING	Leg bracket hinge must be straight and secure before flipping in the pier.
NOTICE	The easiest way to adjust the height the first time will be from the water. Ask about the jacks to level from the top of the pier and stay out of the water.
CAUTION	Do not walk on panels until footpads are secure to the bottom and the frame is level.

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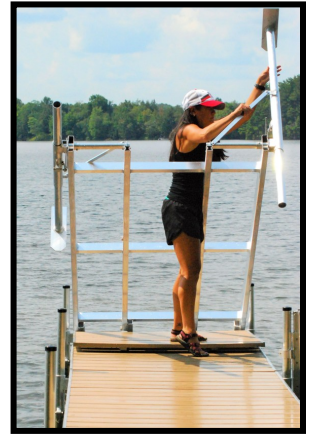
NOTICE	If you loosen the gripper knob to much, the nut will unthread and come off.
NOTICE	Make sure that the gripper is not caught on the leg hinge.
⚠ CAUTION	Wear gloves and safety glasses when cutting legs. Check for sharp edges and tags to debur. Not removing any small edges or tags left inside the tube from cutting, could result in injury or a product not being able to be installed within the leg tube.
⚠ CAUTION	Double-check that mounts and all accessories are secured properly. Improper installation of the grippers to the pier may cause instability, failure, or injury.

Instructions:

PIER INSTALLATION

IDENTIFYING THE PIER SECTIONS:

TOOLS: 1/2" Wrench (Not Included)
7/16" Wrench (Not Included)
4' Level (Not Included)
Pipe Cutter (Not Included)



- The leg sleeves are always going to be at the END of the pier section.
- If starting with a STARTER section – this will be the section that has an aluminum plate at the FRONT of the section (opposite end from the legs) and a hinge with six holes.

- A VARIABLE section will be the first section coming off either the Horizontal Pier Mount or Vertical Pier Mount. The VARIABLE can be identified by having a hinge with six holes. Standard sections do not have these holes.

Standard Section



Starter/Variable

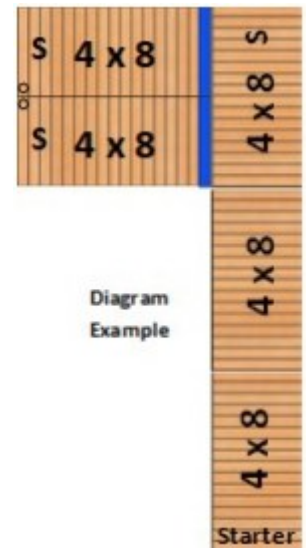


- Any sections that have plating at the END of the section are the terminal STRUCTURAL sections marked with an (S).

- The frames with INTERIOR LEG(S) will have the leg sleeve(s) on the inside of the frame instead of the outside.

ORGANIZING THE PIER SECTIONS:

- Once the sections are identified, organize them in the order of installation.
- Use the diagram provided by the sales rep when creating the pier as a guide. Variable sections are marked with a "V" and Structural sections are marked with an "S", respectively. T&L mounts are marked with a blue line.
- If you have interior legs, those are marked by the black circles.
- The diagram may also contain symbols for accessories such as bumpers, stairs, benches, kayak racks, etc.



⚠ WARNING Never install a pier in unsafe conditions. All piers are aluminum.

INSERTING THE LEGS:

- Organize the legs for each section by length so you can insert them into each frame section as needed.
- When inserting, legs are to be oriented so the beveled end of the footpads face the hinge when the section is installed. (see footpad in photo below)
- Slide the leg into the leg sleeve using a 1/2' wrench to release the cincher. Adjust the leg height as needed. Insert to the point of the water depth plus the number of inches above the water (For example: If the water depth is 3' and the pier should be want be 1' above the water, set the leg so that the footpad is 4' from the bottom of the pier.)
- Don't worry about being exact at this point, adjust the legs once the section is in the water.

NOTICE

Clear any dirt or sand that may have gotten into the leg sleeve.

STARTER SECTION (0:40 of install video):

- Carry the Starter section upside down to the shore.
- Insert the leg into leg sleeve using the method above.
- Turn the section right-side up and place on the shore where the pier will begin.
- If ramping up or down, adjust the hinge attachment point by selecting the optimum hole on the hinge, so that the leg is 90 degrees to the water. (see photo to the right)
- Level the frame above the water line. Go to page 6 for instructions on leveling.

Starter and Variable Leg Hinge



VARIABLE SECTION

- A VARIABLE section is usually used in conjunction with a horizontal or vertical mount.
- VARIABLE sections allow for the legs to be adjusted to be aligned vertically even when frame section is at an angle.
- If ramping up or down, adjust the hinge attachment point by selecting the optimum hole on the hinge, so that the leg is 90 degrees to the water. (see photo above)

NOTICE

On the install video there is an older model of the Variable section which no longer applies if you have the newer model shown above.

⚠ WARNING

Pier sections could be too heavy or awkward —Two people may be needed to avoid injury.

***Starter/Horizontal Mount/Vertical Mount section starts with this step:**

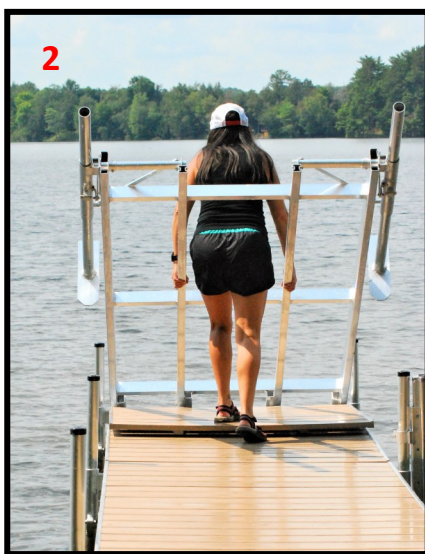
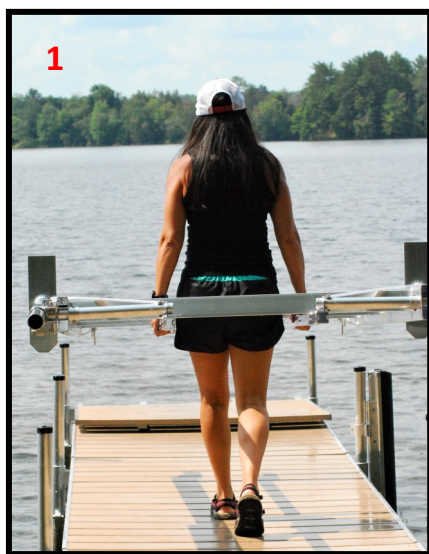
- Install the first panel by lining it up with the frame and sliding it into place.
- Slide the next panel on the section up to approximately 6 inches from the end, but don't seat it into place. ***This will allow for the clipping of the next section.***

CONNECTING THE SECTIONS (Clip and flip!)

1. Once the starter or variable section is in place, carry the next section out by stepping into the center of the frame, upside down with the hooks in front and the legs in back, grip the frame by the runners, find the balance point, and lift.
2. Clip the large welded latch plate hook onto the leg sleeve tube.

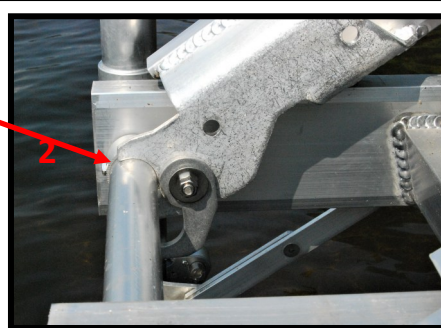
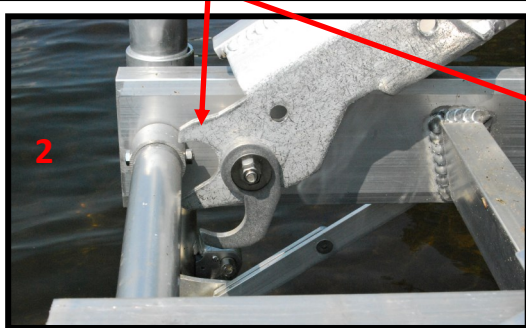
CAUTION

Do NOT hook onto the swivel hook which is the loose swinging hook.



CAUTION

Keep hands and fingers clear of welded latch plate hook while connecting to mounts or pier sections—pinch hazard.



3. Once the pier is resting in place, extend the legs and tap the leg bracket hinge to lock into place. (See #3 above)

WARNING

Leg bracket hinge must be straight and secure before flipping in the pier.

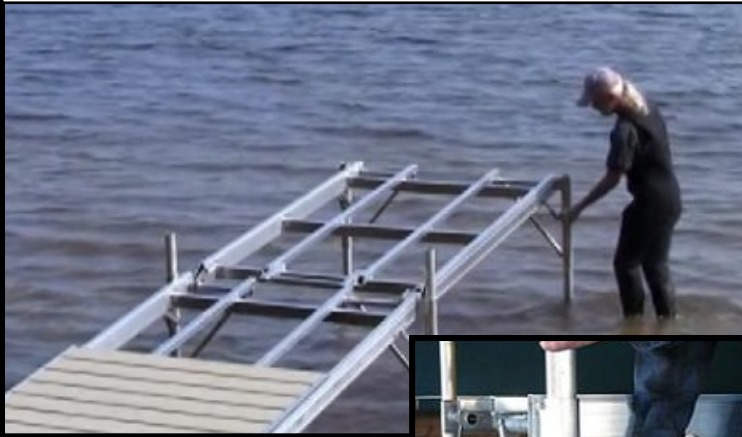
- Once clipped into place with legs extended and hinge locked in, flip the section into the water.
- The splash is the best part, but don't flip the section onto dry land or sand.



LEVELING THE SECTIONS

- Ensure footpads are firmly planted onto the lake bottom. Using a 1/2" wrench, pull up to release the cincher on the leg sleeve. This will allow the frame to move up or down on the leg.
- It's recommended to use a level to determine if any further adjustments are needed.

NOTICE The easiest way to adjust the height the first time will be from the water. Ask about the jacks to level from the top of the pier and stay out of the water.



- Once the frame is leveled, install the panels as explained below. Repeat the steps of installing the frame, leveling, and adding panels until complete.

CAUTION Do not walk on panels until footpads are secure to the bottom and the frame is level.

INSTALL THE PANELS

- Install the first panel by facing the back of the panel towards you, push out the bottom of the panel with your foot, and line it up with the frame. The panel has a slight drop when it is in place.
- Take the next panel and slide it approximately 6 inches from the end of the frame, but don't seat it into place. The leg sleeve tubes should be exposed. ***This will allow for the clipping of the next section.***

T & L MOUNT(S):

- The pier should be level. Cut the aluminum leg flush with the top of the leg sleeve where the T&L MOUNT will go. A pipe cutter works well for this.
- T&L Mount knobs have resistance. Loosen both knobs until the resistance is gone before attaching.

NOTICE

If you loosen the gripper knob to much, the nut will unthread and come off.

- Make to install the T&L MOUNT with the **knobs facing UP** (see pictures below).
- Nestle the T&L MOUNT grippers into the track on the side of the pier.
- Once the grippers are in the track, slide it over to butt up to the leg sleeve.
- Firmly tighten the knobs with fingers only. (No tools necessary)
- Clip and flip the frame section to the T & L MOUNT and add panels as before.

NOTICE

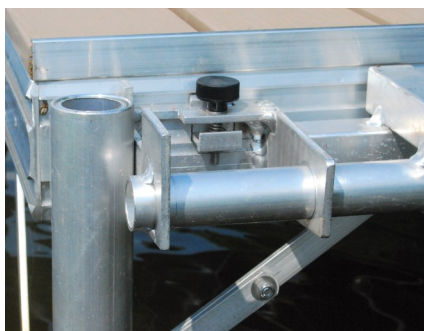
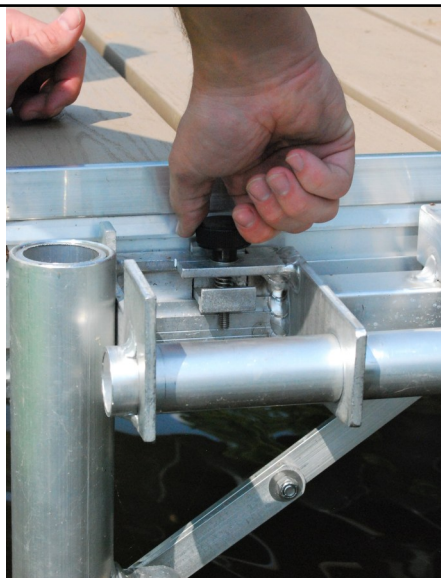
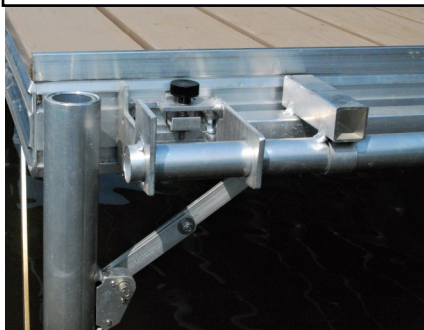
Make sure that the gripper is not caught on the leg hinge.

CAUTION

Wear gloves and safety glasses when cutting legs. Check for sharp edges and tags to debur. Not removing any small edges or tags left inside the tube from cutting, could result in injury or a product not being able to be installed within the leg tube.

CAUTION

Double-check that mounts and all accessories are secured properly. Improper installation of the grippers to the pier may cause instability, failure, or injury.



T & L HELPFUL TIPS:

- If a T&L mount is used, a single board is provided to cover the mount. In order to install the straps that come with the board, see “[T&L and Vertical Mount Board Strap Installations](#)” sheet.
- When installing a “Double L” (Two sections side by side) the two T&L MOUNTS should be 5-1/4 inches apart if a section coupler is not used, OR 5-3/8 inches apart if a coupler is being used.