

Manual for Tilting Davits



VERSACHOCK®

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1 Validity, product images

This manual is valid for the following VersaChock tilting davits from 1st-Relief:

- Tilting Davits for Soft Inflatable Boats Article number: 1st23VCTILTSIB
- Tilting Davits for Rigid Inflatable Boats Article number: 1st23VCTILTRIB2
- Tilting Davits with Weels for Rigid Inflatable Boats Article number: 1st23VCTILTRIBW










		
		
		
Davits for Soft Inflatable Boats ArtNbr: 1st23VCTILTSIB	Davits for Rigid Inflatable Boats ArtNbr: 1st23VCTILTRIB2	Davits with Weels for Rigid Inflatable Boats ArtNbr: 1st23VCTILTRIBW

Table 1 VersaChock Davit Versions



	
Winch kit for Tilting Davits Art.Nbr.: 1st23VCWINCHKIT	Tie down kit-3 pack Art.Nbr.: 1st23VCTIEDOWNKIT3

Table 2 VersaChock tender chocks - Accessories

2 Specifications

2.1 Tilting Davits for Soft Inflatable Boats (1st23VCTILTSIB)

- Universal design fits most shapes and sizes of tender boats
- 2 removable tilting davit arms made of HDPE and stainless-steel hardware
- 4 low profile threaded deck plates and bolts included with every kit
- Universal design fits most hull shapes
- Capacity: 350 lbs / 158 kg
- Twelve #10 (3/16") screws required for installation (not included)
- Exclusive of tie downs/D rings (required for securing watercraft)
- Exclusive of any other assembly parts

2.2 Tilting Davits for Rigid Inflatable Boats (1st23VCTILTRIB2)

Same features as 1st23VCTILTSIB plus:

- 4 adjustable bunks are included
- Bunks are adjustable to fit most rigid hull shapes
- Cushioning strips help protect hull

2.3 Tilting Davits with Weels for Rigid Inflatable Boats (1st23VCTILTRIBW)

Same features as 1st23VCTILTSIB plus:

- Wheels allow easy manual loading
- 4 adjustable bunks are included
- Bunks are adjustable to fit most rigid hull shapes
- Cushioning strips help protect hull

3 Installation

3.1 Important installation information

Please note the following important installation instructions:

- We strongly recommend that the product specification, use and installation be checked by a professional technician before purchase and that the installation is carried out by the same person.
- This manual is for advice only. THERE ARE TOO MANY HULL VARIATIONS IN ORDER TO SPECIFY AN EXACT INSTALLATION OR AN INSTALLATION LOCATION FOR EVERYONE.
- Not intended for use in extreme conditions (i.e.: high forces from water, wind, etc.)
- Tie downs must be installed in order to secure watercraft as described in chapter 3.3. Be sure to install at least 2 stern tie downs, and one bow tie down. We also recommend installing one tie down mid ship, which can greatly help keep the dinghy from rocking, as well as act as a spring line.
- Before each use, make sure that the davit arms are securely inserted into the deck plates.
- Before each use, make sure that the chock assemblies are firmly fixed with locking screws.
- Check the integrity of the hull, including hull thickness, chine and stringer locations, making sure proper support will be provided.
- Check where outboard engine will rest. A skid plate may be needed to protect deck. (Article number 1st23VCSKEG; <https://www.1st-relief.com/en/outboard-skeg-rest.html>).
- Remove the davit arms when not in use.
- Rinse with freshwater after each use, as saltwater and other contaminants can cause staining, even though we use the most corrosion resistant materials.
- Under no circumstances should person/s or animal be allowed in watercraft whether loading, or in stored position.
- Do not add additional gear, etc. that may subject the watercraft to be over the maximum weight capacity.
- Always pull drain plug when stored to prevent excess water to accumulate, which could cause excess weight.
- Be sure the attachment bolts are secure before each use.
- Please note there are two spacing options. Standard spacing for most swim platforms and an optional spacing for narrower swim platforms. Standard spacing holes are provided in all models. For narrower swim platforms, the optional holes must be drilled by installer (see diagrams in the following pages).

- FAILURE TO FOLLOW THE ABOVE MAY RESULT IN DAMAGE, LOSS OR SERIOUS INJURY!

3.2 Positioning

Calculate the maximum beam dinghy for your platform size:

- Standard deck plate spacing
Multiply your platform depth x 2 + 3 inch
(i.e.: 30 inch depth platform x 2 + 3 inch = 63 inch beam)
- Narrow deck plate spacing
(note: aft holes in davit arms are not drilled from factory)
Multiply your platform depth x 2 + 10 inch
(i.e.: 30 inch depth platform x 2 + 10 inch = 70 inch beam)

3.2.1 Standard deck plate spacing

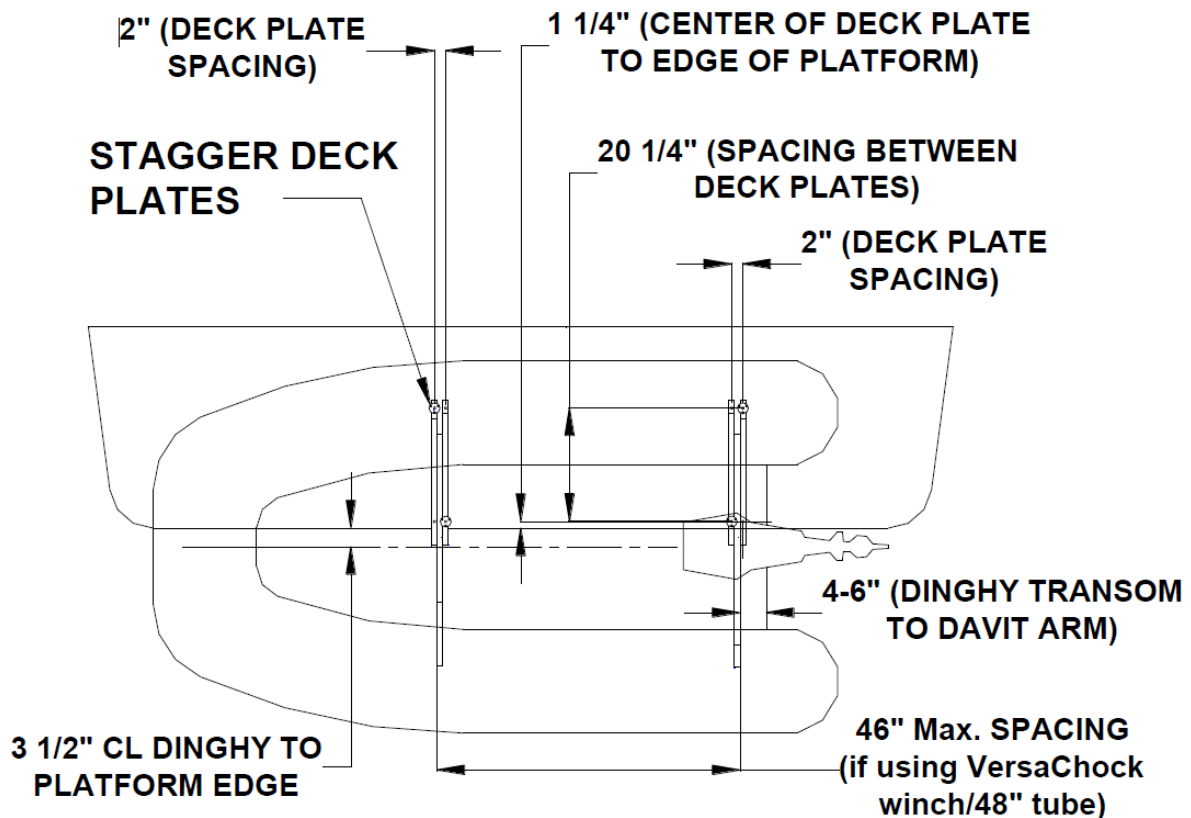


Figure 1 Standard Deck Plate Spacing - Top View

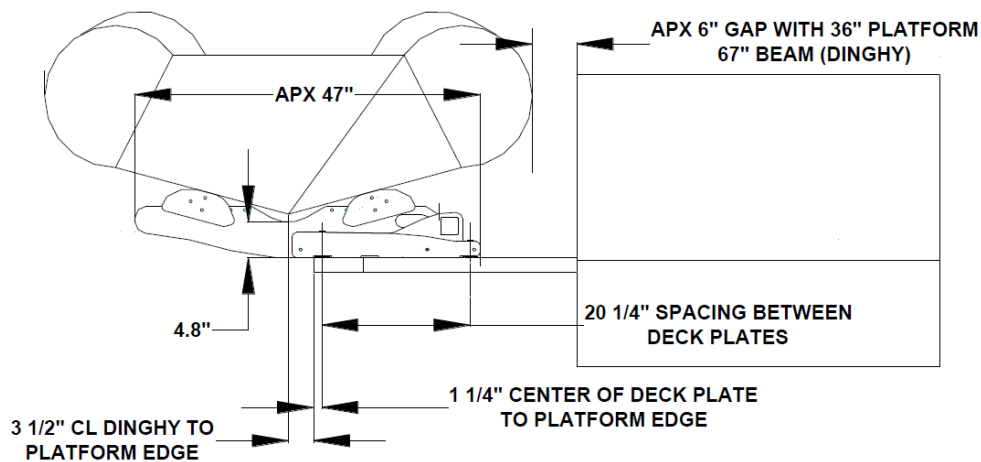


Figure 2 Standard Deck Plate Spacing - Side View

3.2.2 Optional narrow deck plate spacing

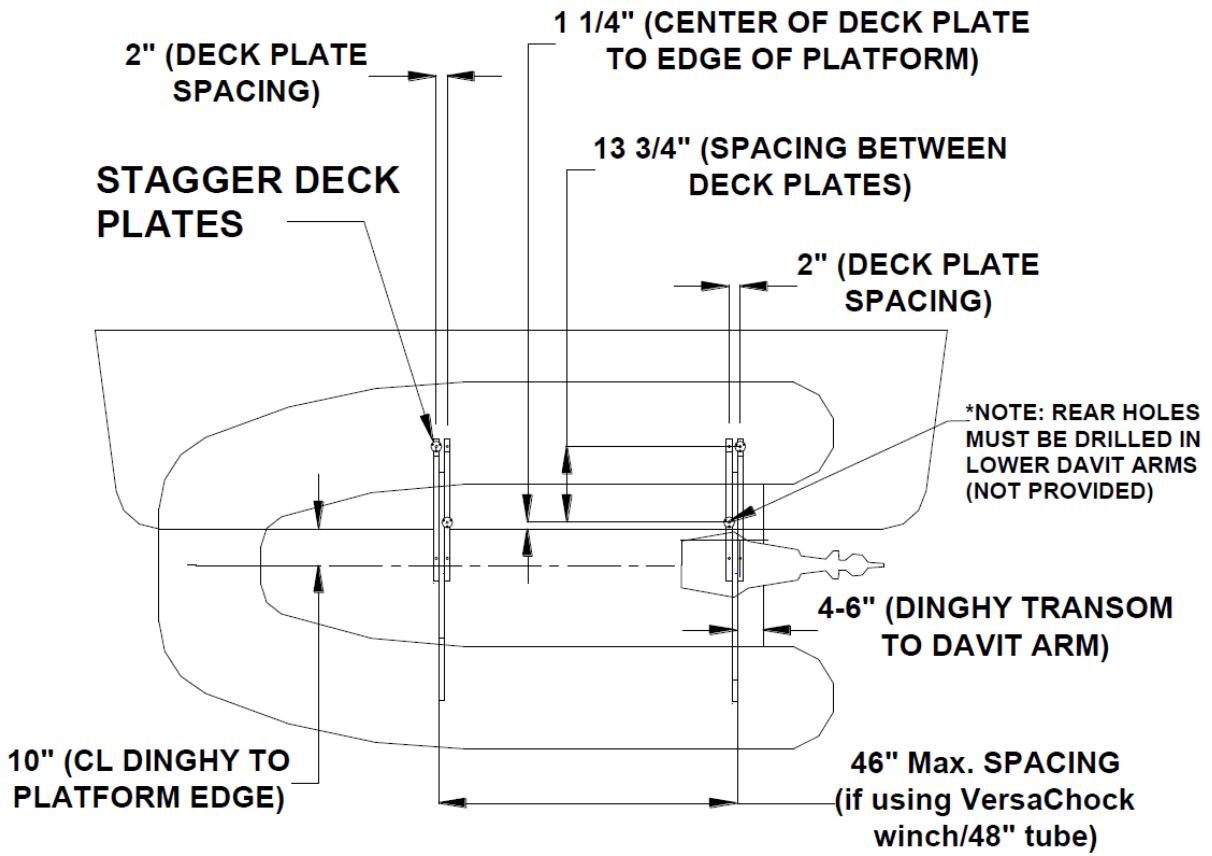


Figure 3 Narrow Deck Plate Spacing - Top View

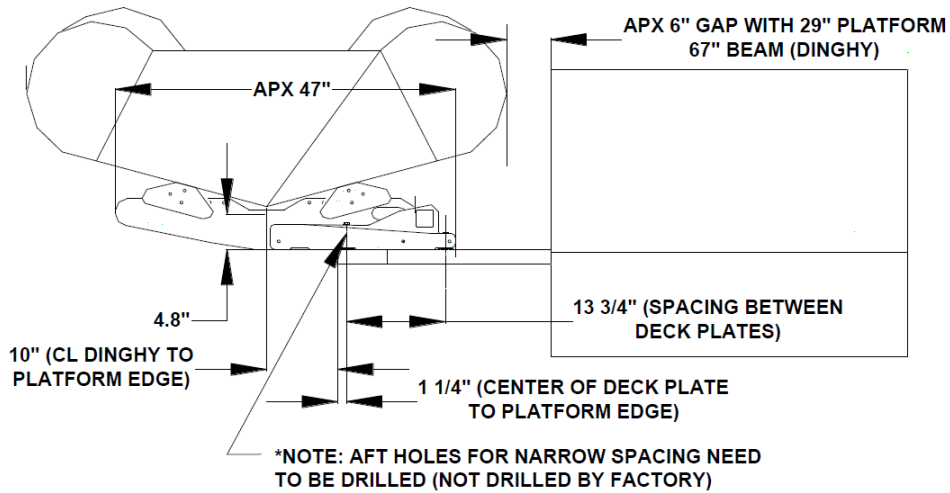


Figure 4 Narrow Deck Plate Spacing - Side View

3.3 Tie Down Configuration

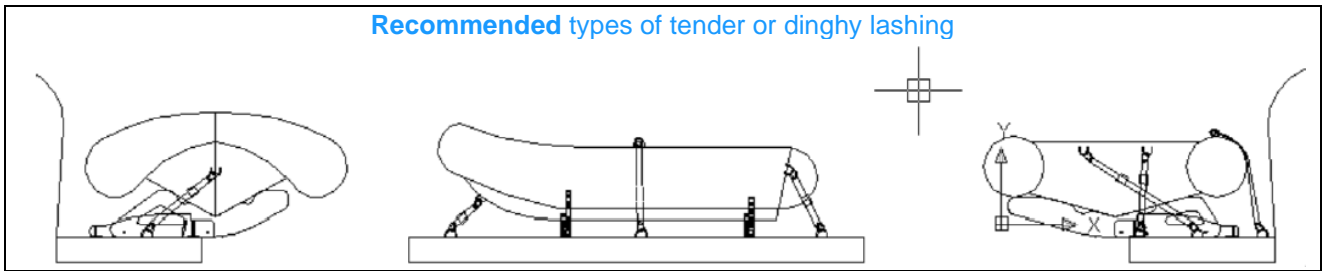


Figure 5 Recommended Tie Down

3.4 Size of tender or dinghy related to the yacht

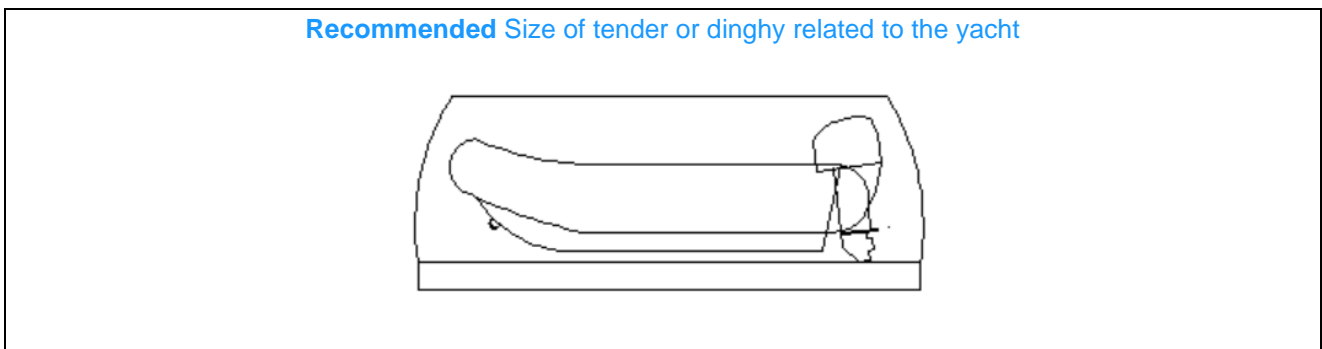


Figure 6 Recommended Tender Size

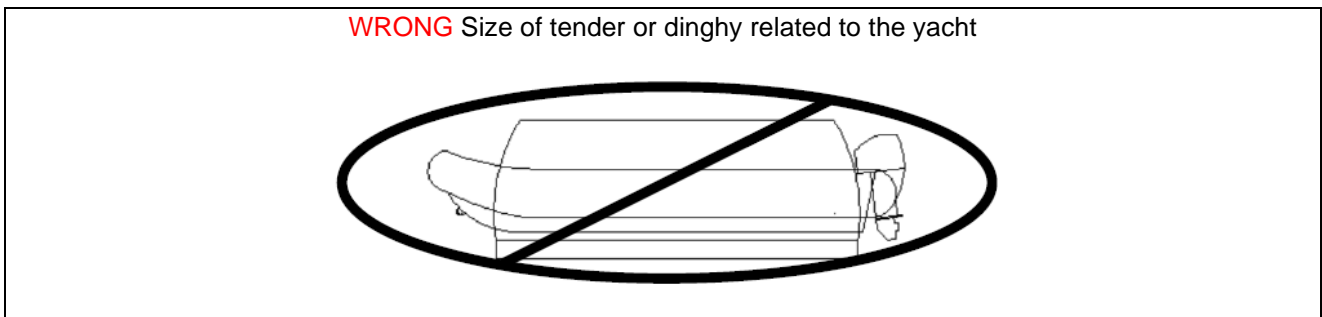


Figure 7 Wrong Tender Size

3.5 Installation Sequence

Basic Steps for Tilting Davit Installation:

1. Measure total length of dinghy and outboard combined.
2. Locate the dinghy side to side centring on platform (be sure the outboard does not overhang the platform)
3. Locate the aft davit/deck plates by following the dimensions shown.
4. Locate the fore davit/deck plates by following the dimensions shown.
5. Complete the deck plate installation to the platform by drilling a hole (slightly larger than deck plate base) at the centre of each deck plate location shown below then attach using #10 through bolts/backing plates or washers.

4 Tips for the operation of the tilting Davit

4.1 Get Familiar with your Davit

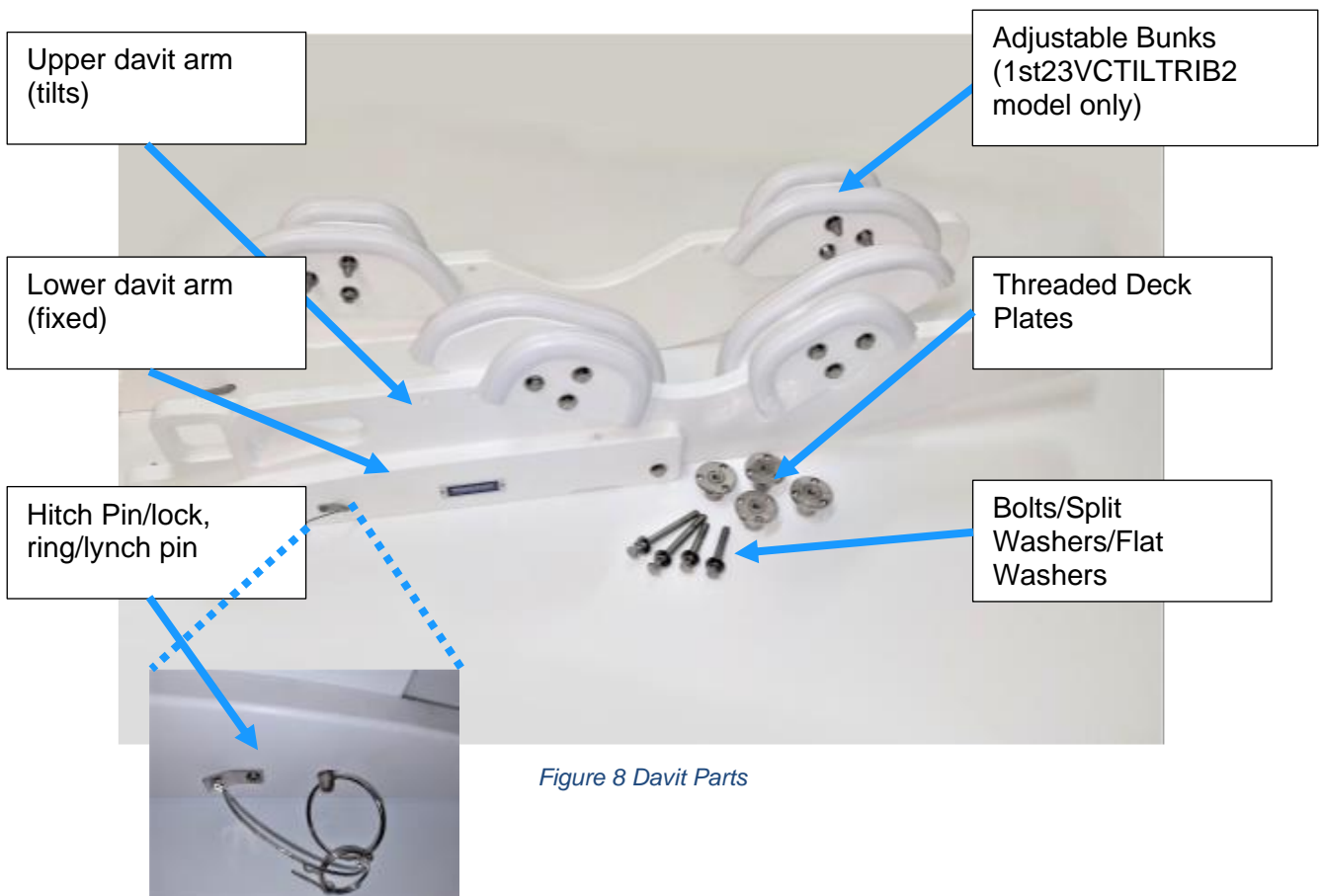


Figure 8 Davit Parts

Figure 9 Hitch Pin/lock

4.2 Using your tilting Davit

4.2.1 Attach davits to threaded deck plates

Attach davits to threaded deck plates using the bolts, split washers, using your tilting Davit



Figure 10 Attach Davit

4.2.2 Tighten

Tighten using a socket.



Figure 11 Tighten Davit

4.2.3 Remove lynch

Remove the lynch pin (or lock ring) then the hitch pin from each davit.



Figure 12 Remove lynch

4.2.4 Re-Insert lynch

Be sure to reinsert the lynch pin (or lock ring) in the hitch pin to prevent loss.



Figure 13 Re-Insert lynch

4.2.5 Tilt and Pull

Tilt davits and pull dinghy onto davits and tilt afterwards davit down.



Figure 14 Tilt davits and pull dinghy

4.2.6 Reinsert hitch pin

Reinsert hitch pin and lynch pin (or lock ring if equipped) in each davit.

*NOTE: It is recommended to use lock ring (if equipped) for better security.

4.2.7 Install tie downs

Install the tie downs and consider the tips in the earlier chapter.



Figure 15 tie downs front



Figure 16 tie downs rear

4.2.8 Enjoy

Enjoy the usage of your tilting Davit.

5 Additional information, liability

5.1 Updates and other tips

For updates and additional tips, see:

<https://www.1st-relief.com/en/equipment-hardware/brackets-davits-load-securing-devices/>

5.2 Liability

Installation and use of this product are at the customer's own risk. We strongly recommend that the product specification, use, and installation be checked by a professional technician prior to purchase and that the installation be carried out by them.

Your safety and customer satisfaction are our top priority!

5.3 Acknowledgments

Thank you for choosing our products. Together with our manufacturer VersaChock, we strive to deliver the most innovative products of the highest quality. VersaChock products are manufactured by Jefferson Design Inc. of Tampa Bay Florida. We hope you will enjoy our products for many years to come. We look forward to your

Comments and feedback!

Your satisfaction is our number one priority! If you have any questions, please contact our customer service office@1st-relief.com