

Information for Victoria Hand Users

As a new user of the Victoria Hand, you may have some questions about what the Victoria Hand can be used for, what tasks should be avoided, and other information about the Hand. This document provides information for new users of the Victoria Hand prosthetic device. While most of this information should have been covered by your care provider when you were fit with the Victoria Hand, this document can be used as an additional reference while using your Victoria Hand.

Please visit the following website for more information and videos:
<http://victoriahandproject.com/users>



Warnings

The Victoria Hand is a 3D printed hand and it has limitations on what it can be used for. Listed below are the intended uses of the Victoria Hand, and what you should not do with the Victoria Hand.

Intended Use of The Victoria Hand

The Victoria Hand is constructed from 3D printed plastic (named Polylactic Acid, or PLA for short), stainless steel metal components, and fabric materials. It is only intended for performing **light duty tasks**, as described below, or recommended by Clinical Partner:

- **Only light duty tasks:** such as lifestyle, social activity, household use, and “light duty work.” For example: for tasks requiring two hands, holding small objects, holding a bag, using a knife and fork, washing clothes or dishes, tying a shoelace, using small hand-tools, holding a cell phone, or similar.



- **Only hold objects less than 2 lbs. (1 kg).**



Do Not Use the Victoria Hand for

Do Not Use The Victoria Hand for medium duty or heavy duty tasks, since the Victoria Hand may be damaged or broken. Improper use could lead to injury or death, and possible property damage:

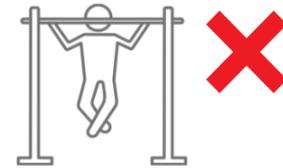
- Do Not hold/lift heavy objects (greater than 2 lbs. or 1kg).



- Do Not forcibly push against large objects or hit other objects with the Victoria Hand.



- Do Not use the Victoria Hand to support your body weight, or to perform body weight bearing tasks.



- Do Not use the Victoria Hand for “medium or heavy duty” work activities, or medium/heavy farming activities.



- Do Not operate any motor vehicles (driving) or power machinery.



- Do Not use the Victoria Hand for riding a bicycle or a motorbike.



- Do Not touch any hot items (above 50 °C or 122F)



- Do Not expose the Victoria Hand to any heat source over 50°C, and absolutely no open flame.



- **Do Not** push on the Victoria Hand when the wrist is locked. This may lead to the Wrist Socket breaking, or the rubber tearing out of the Wrist Socket.

Complaints

If any problems occur, **stop using the Victoria Hand immediately**, and contact the Victoria Hand Project and your clinician.

Problems can include, but are not limited to:

- You experience skin abrasion or redness, open cuts, skin irritation, or muscle/joint pain on your limb.
- The Victoria Hand breaks or becomes damaged.

Please contact the Victoria Hand Project at info@victoriahandproject.com if you have any problems with your device.

Warranty

The Victoria Hand Project and The Clinic may reasonably attempt to fix minor damage to the Victoria Hand for up to a maximum of 1 year after you receive it. For any major damage repairs to the Victoria Hand, or repairs after the 1-year period, an agreement to cover repair costs must be made with the Victoria Hand Project and The Clinic.

If damage to your Victoria Hand is due to using the hand for unintended purposes (such as the tasks listed under the 'Do Not Use the Victoria Hand for' section above), the warranty services may not be covered.

Cleaning Your Prosthesis

It is important for you to clean your prosthesis to ensure it is safe to use, functions as intended, and does not cause you harm. The Victoria Hand does not have any electronics in the hand, and contains stainless steel parts. This means that you can get your prosthetics arm wet to clean it.

Cleaning Recommendations

If your prosthetic device becomes dirty, you can wash it in water. It is recommended to use soap and warm water to clean your prosthetic device. Do not use water that is warmer than 50°C (122F) to clean your prosthetic device. Using water at this temperature may damage your Victoria Hand. You should wash the inside of your limb socket on a consistent basis to ensure that it does not become unsanitary.



Maintenance

By following the instructions above you should be able to keep your hand in good condition. However, if your hand requires maintenance or if it is not working properly, please contact your clinician at the hospital where you received the hand. You can also contact the Victoria Hand Project at info@victoriahandproject.com.

How to Use the Victoria Hand

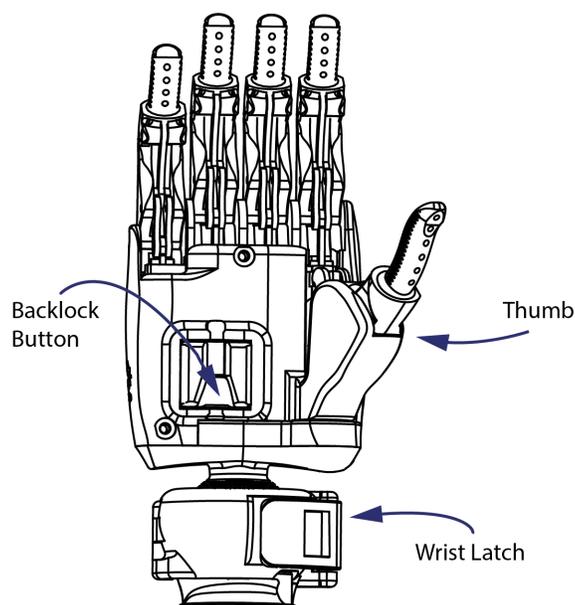
Introducing Your Victoria Hand

The Victoria Hand is constructed from 3D printed plastic, metal components, and fabric materials. It is intended for performing light duty tasks such as:

- Lifestyle, social activity, household use, and “light duty work”. For example: for tasks requiring two hands, holding small objects, holding a bag, using a knife and fork, washing clothes or dishes, tying a shoelace, using small hand-tools, holding a cell phone, or similar.

The Victoria Hand is strong enough to hold weight up to 2 lbs (1 kg). It is not meant for medium or heavy duty work and cannot withstand temperatures above 50 °C.

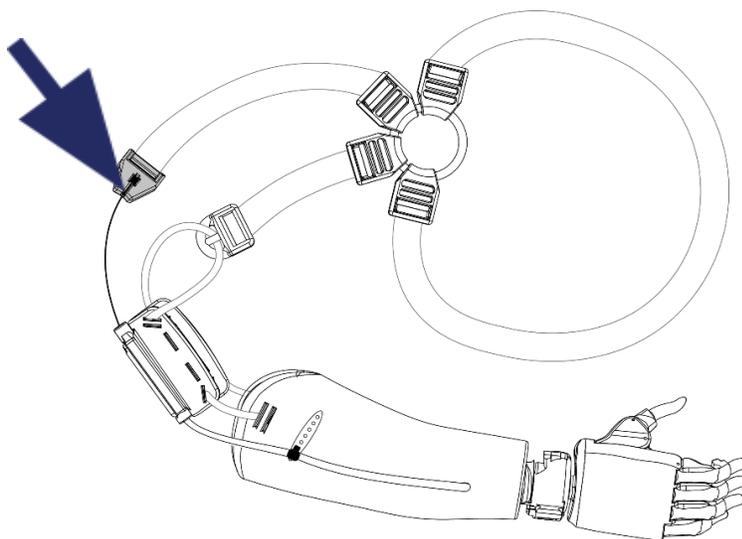
The Figure below shows the Victoria Hand and outlines a few of its main components.



Features of the Victoria Hand

Hand Actuation

The Victoria Hand is actuated by using the shoulder harness. When the cable is pulled, the hand will close shut and when the cable is released, the hand will open. To actuate the hand, you can pull on the cable located above the triceps brace.



Harness

The Victoria Hand is equipped with a traditional Figure-of 8 Harness. This harness allows for the transmission of body power to prosthetic control when the user flexes their shoulder.

Adaptive Grasp Mechanism

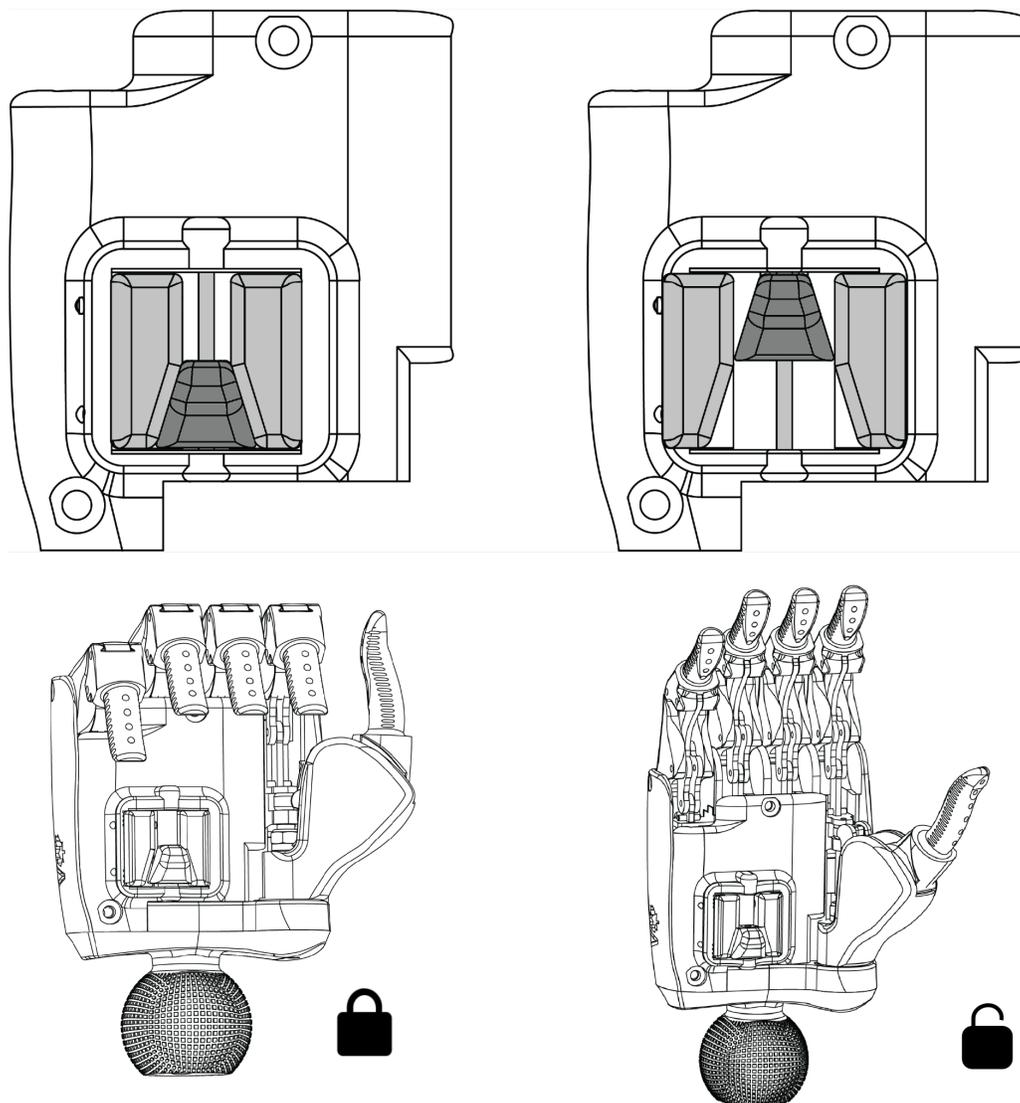
The Victoria Hand is equipped with an Adaptive Grasp mechanism. This mechanism allows the fingers to conform around the shape of oddly shaped objects making them easier to grasp and hold.

Palm Backlock Mechanism

If you want to keep the hand closed (i.e. for carrying a bag) you can activate the Palm Backlock Mechanism. This mechanism is located on the palm of the hand. Push the button upwards to allow the hand to move freely. Push the button downwards to lock the hand in place, as shown in the Figure below.

User Tip: Lock the Backlock before reaching to grab an object. This will allow the hand to lock as you are grabbing the object.

Please note, the Palm Backlock is only available on the VC300 Hand.

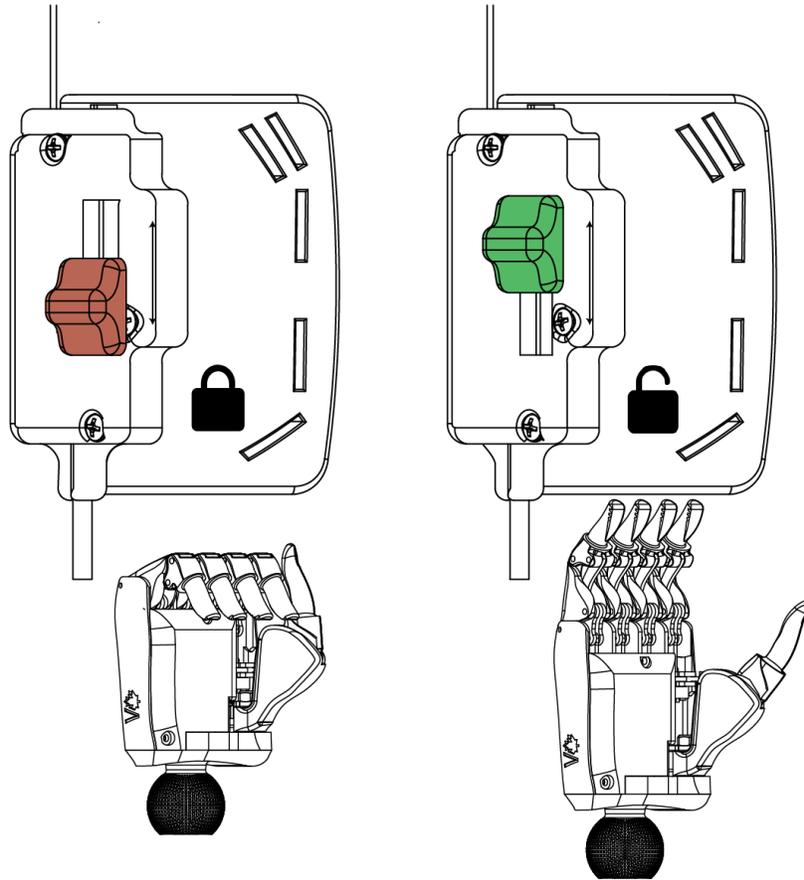


Tricep Backlock Mechanism

If your hand does not have a Palm Backlock, you may have a Tricep Backlock. The Tricep Backlock works similar to the Palm Backlock, but it is contained on the Tricep cuff on your upper arm (above your elbow). You can turn on the Tricep Back by pushing the button down (towards the hand), as shown in the Figure below. The hand will then lock closed.

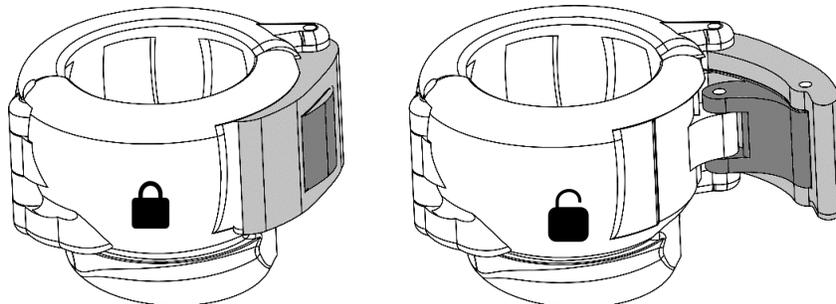
To release the Tricep Backlock, reach forward slightly to close the hand a little more, then push the button up (away from the hand).

User Tip: Lock the Backlock before reaching to grab an object. This will allow the hand to lock as you are grabbing the object.



Wrist Rotation

The wrist contains a ball-and-socket mechanism that allows the user to quickly and easily change the orientation of the hand. To use the wrist, undo the latch, rotate to the desired position, then close the latch. The wrist cannot be rotated when the latch is closed.



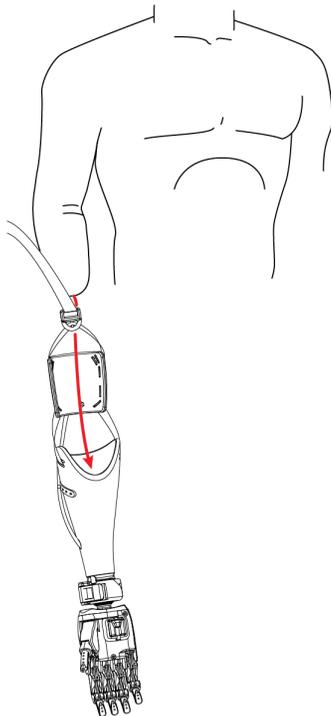


For more information about the Victoria Hand, scan the QR code above.

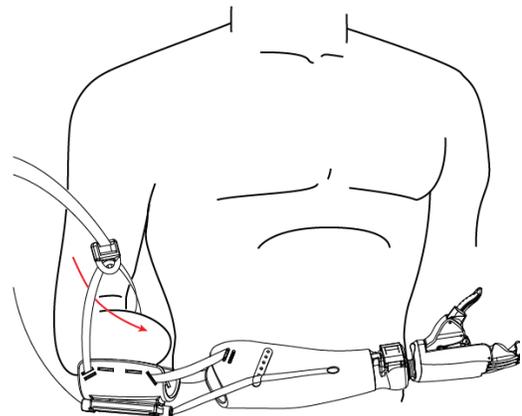
or go to link: <https://www.victoriahandproject.com/hand-instructions>

How to Put on and Remove Device

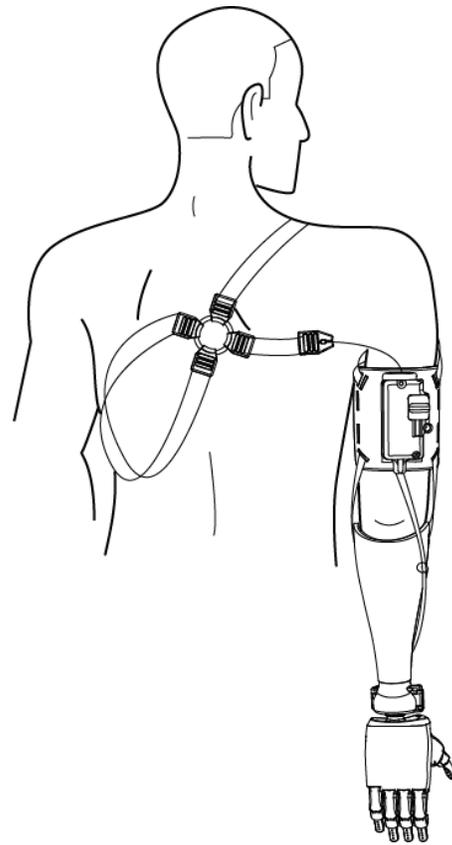
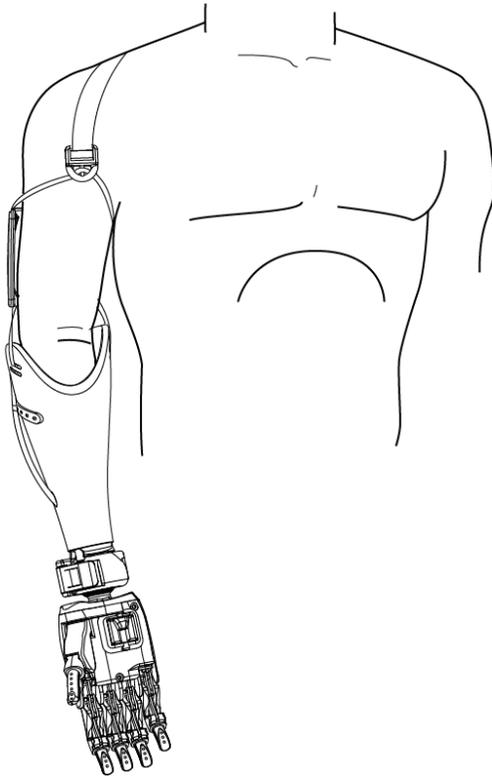
To put on the Victoria Hand prosthetic device follow the step-by-step instruction defined below.



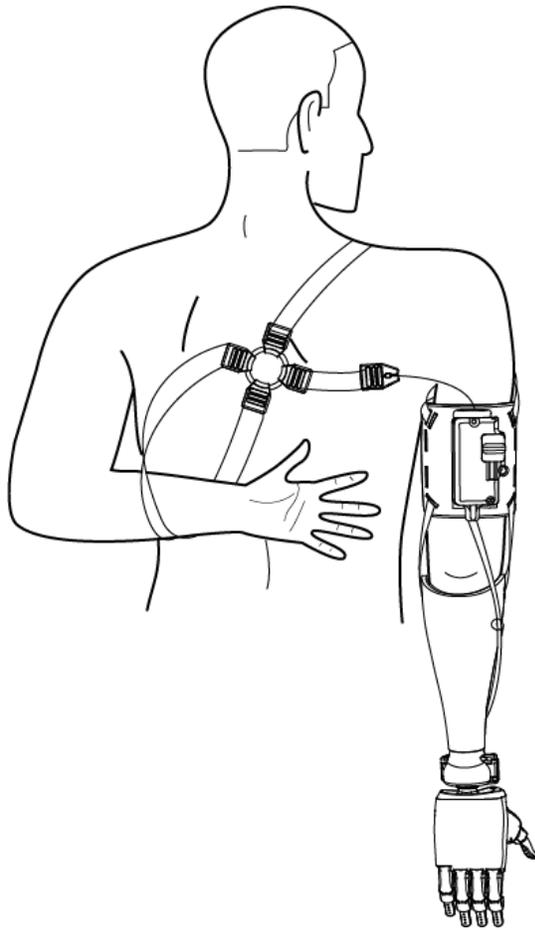
1. To put on the Victoria Hand, start by putting your remnant limb through the strap on the Tricep Brace.



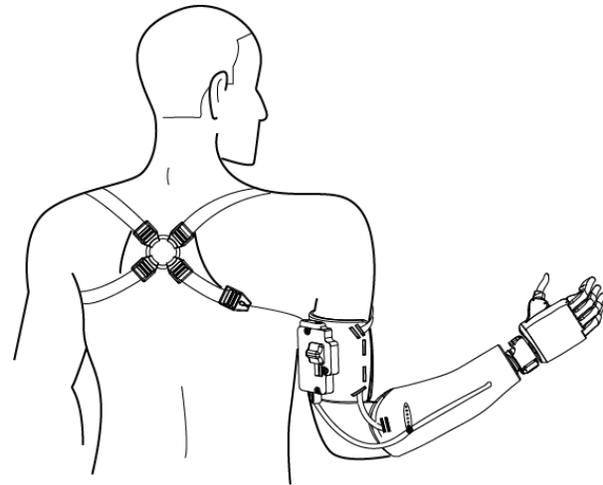
2. Next, insert your remnant limb into the Limb Socket.



3. The harness should be over your shoulder and across the front of your arm. This helps with holding the Victoria Hand on the body when carrying an object. The Tri-Strap Component should be on the front of the shoulder as shown.
4. Next you must put on the other side of the harness.



5. Use your arm to reach back and grab the harness. Next, move your arm all the way through the strap so that it comes over your shoulder.



6. Check the placement and fitting of your harness. This is how the harness should sit on your body.

Share Your Experience With Us

We would really like to hear what you are using the hand for and to see photos or videos of you using the hand. It is always exciting for us to learn about new things that people use the hand for at school, work, or even at home. You can send us an email or a direct message to tell us. You can also tag us on social media when you post about the hand.



www.victoriahandproject.com



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Appendix

