



Small Hand
Victoria Hand Project

Overview

The Victoria Hand is a low-cost, upper-limb prosthetic system for trans-radial or trans-humeral amputees. The Victoria Hand system utilizes 3D printing and 3D scanning technologies for manufacturing, and uses stainless steel linkages for added strength and durability. Once all hand and corresponding components are 3D printed, the system is assembled using stainless steel hardware, making the system durable and long-lasting.

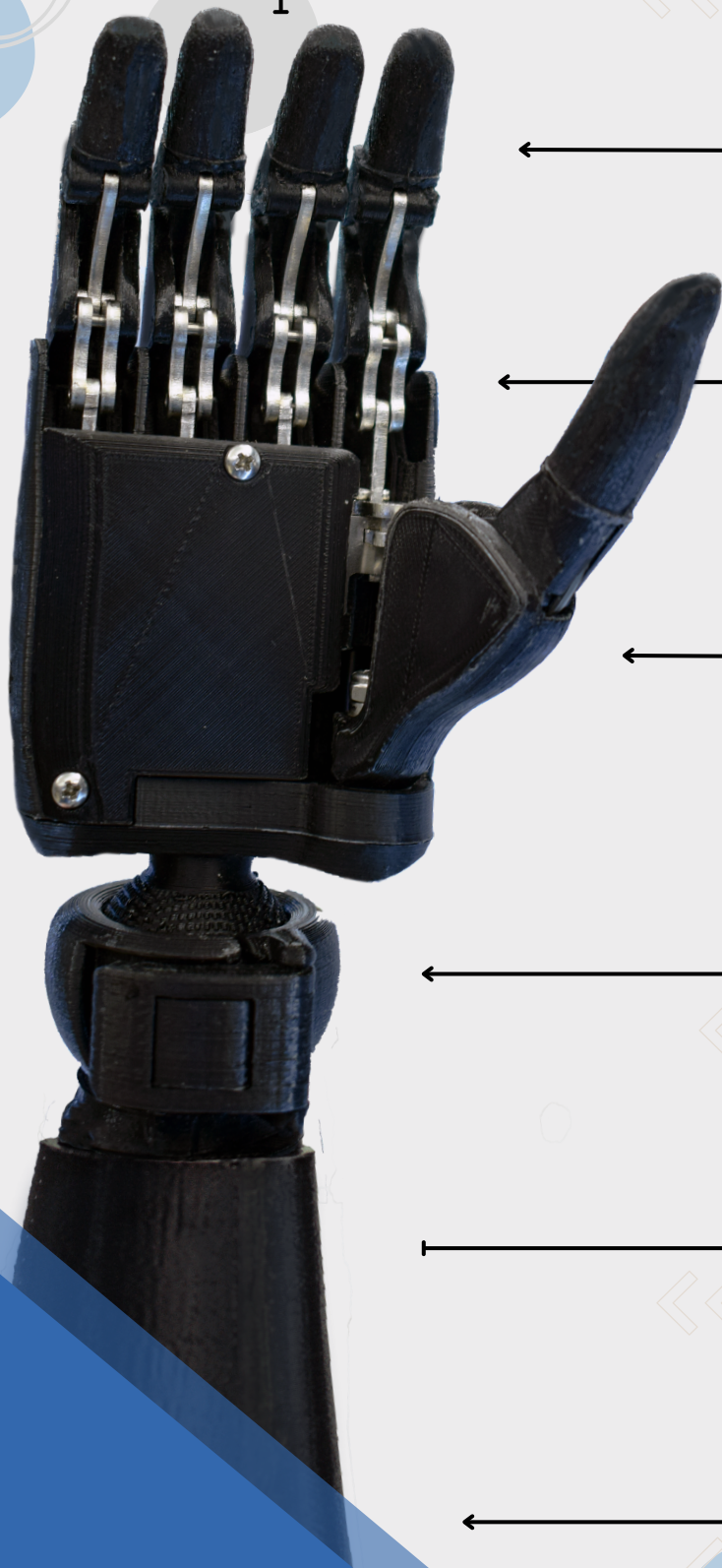
Small Hand

The Small Hand, similar to the Voluntary Close Hand, remains open until the user shrugs their shoulders to actuate the hand and close the fingers. The Small Hand is a suitable choice for both children and smaller users. In addition to the stainless steel internal finger linkages, the Small Hand exhibits an internal stainless steel thumb which contributes to greater durability.

Additional Hand Types

In addition to the Small Hand, the Victoria Hand Project offers both the Voluntary Close Hand, and the Voluntary Open Hand. The Voluntary Close Hand remains open until the user shrugs their shoulders to actuate the hand, and close the fingers. In contrast, the Voluntary Open Hand remains closed until the user shrugs their shoulders to actuate the hand, and open the fingers. This arm is preferred by users that have used Hook Prostheses in the past, or those who are looking for a stronger pinch force. Both of these additional Victoria Hands are suitable for adults.





Complete System

Includes Hand, Wrist,
customized Limb Socket,
and Harness

Molded Silicone Fingertips

Increased grip

Stainless Steel Internal Phalanges

Durability and strength

Rotatable Thumb

Different grasps

Ball and Socket Wrist

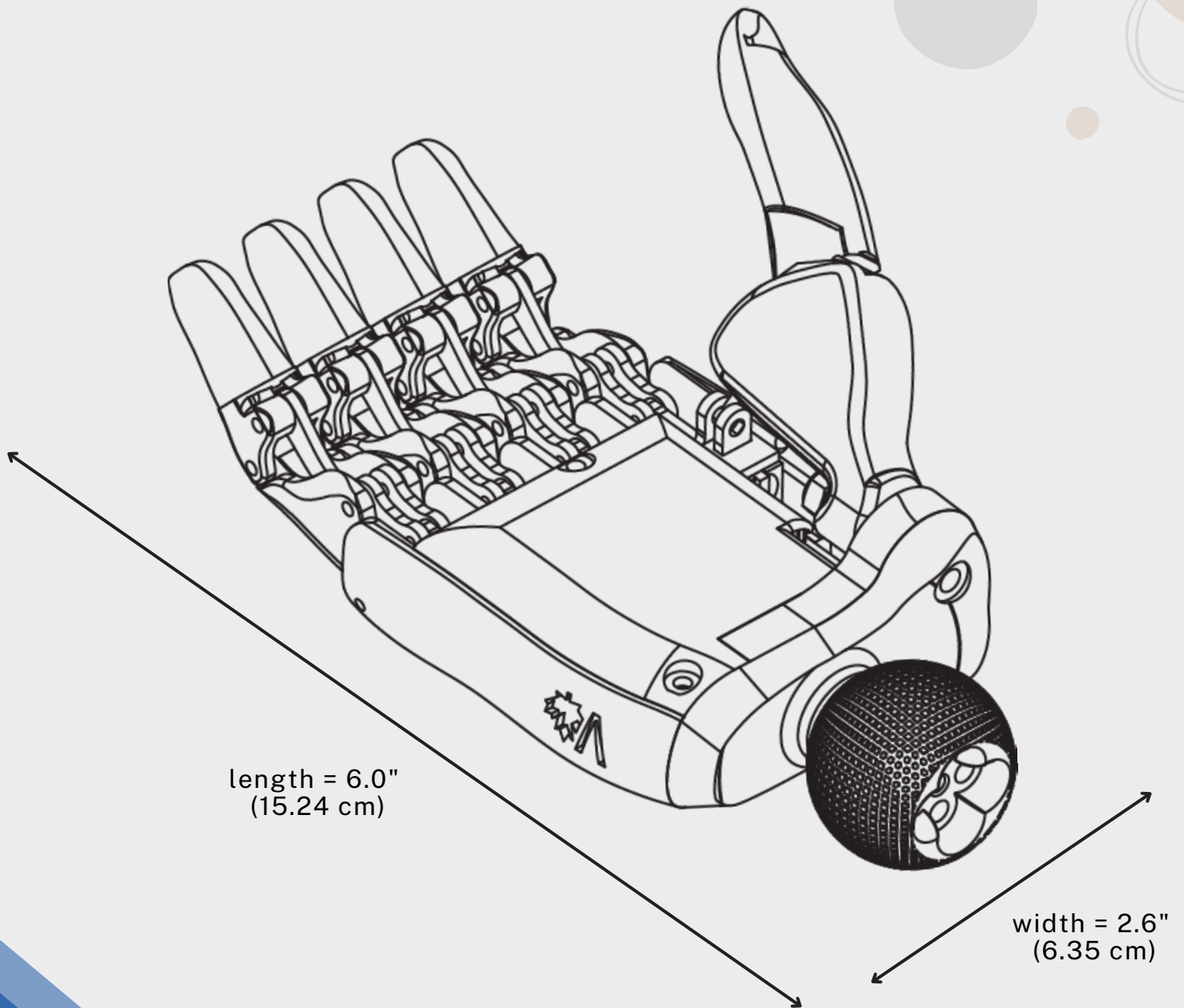
Move, rotate and lock
the Hand in any position

Personalized Limb Socket

Limb Socket completely
customized to each user

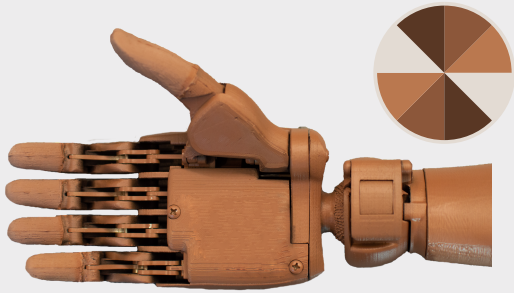
Tricep Backlock Mechanism

Lock the Hand closed



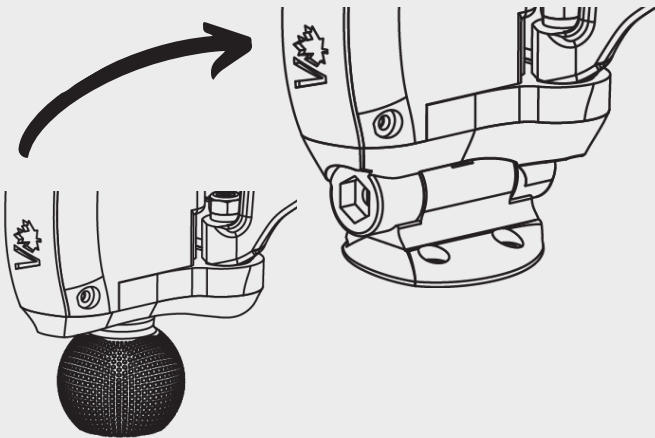
Weight of Hand: 0.49 lbs (0.224 kg)

Weight of System: 1.20 lbs (0.540 kg)



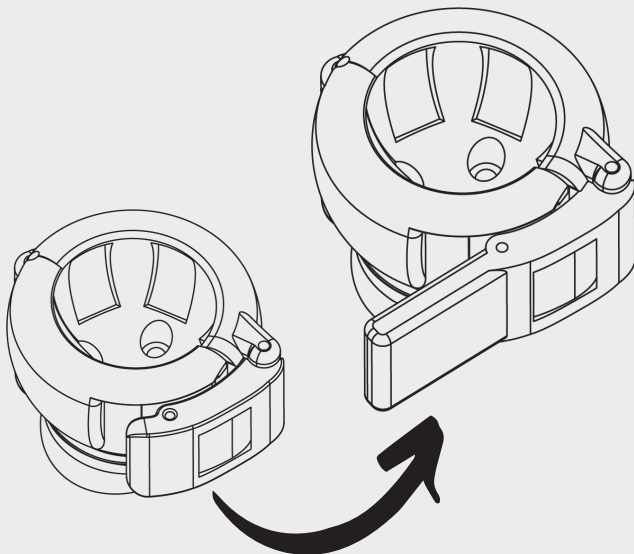
Personalized Cosmetics

The color of the fingertips, hand, wrist, and socket can all be matched to the user's skin tone.



Hinge Wrist

Some users may prefer to have a Hinge Wrist, rather than the Ball and Socket Wrist. By having the Hinge Wrist, the length of the prosthetic system is shortened by 0.80" (2 cm), which is suitable for small children.



Accessible Wrist Latch

For bi-lateral amputees or users with restricted motion, an accessible wrist latch can be added for ease of opening and locking.

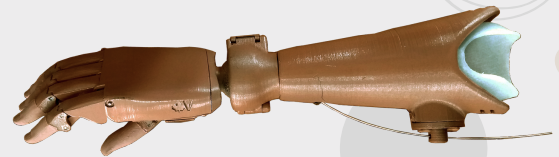
Trans-Radial

This socket is for individuals with amputations below the elbow.



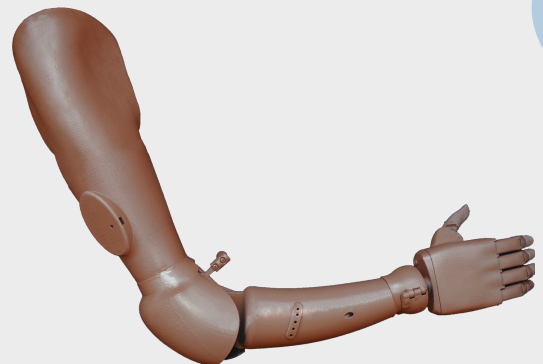
Trans-Radial Suspension

This socket is for individuals with an elbow disarticulation, where there is a shorter remnant limb below the elbow.



Trans-Humeral

This socket is for individuals with amputations between the shoulder and the elbow.



The Victoria Hand - Model Comparisons


Parameter	Voluntary Close Hand	Voluntary Open Hand	Small Hand
Length of Hand	7.5" (19.05 cm)	7.5" (19.05 cm)	6.0" (15.24 cm)
Width of Hand	3.2" (8.13 cm)	3.2" (8.13 cm)	2.5" (6.35 cm)
Weight of Hand	0.63 lbs (0.287 kg)	0.64 lbs (0.291 kg)	0.49 lbs (0.224 kg)
Weight of System	1.50 lbs (0.675 kg)	1.53 lbs (0.695 kg)	1.20 lbs (0.540 kg)


Feature	Voluntary Close Hand	Voluntary Open Hand	Small Hand
Personalized Cosmetics	●	●	●
Rotatable Thumb	●	●	●
Palm Backlock	●		
Tricep Backlock	●		●
Accessible Wrist Latch	●	●	●
Ball and Socket Wrist	●	●	●
Hinge Wrist			●
1/2-20 Bolt-in Wrist		●	


This hand is available in **New York** through a VHP certified partner. The Victoria Hand Project partnered with **Ascent Fabrication** in 2022 to fabricate and provide upper limb prosthetic devices to amputees across New York and surrounding areas.


Please contact Ascent Fabrication directly to book an appointment to be fit with a Victoria Hand.

Ascent Fabrication

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