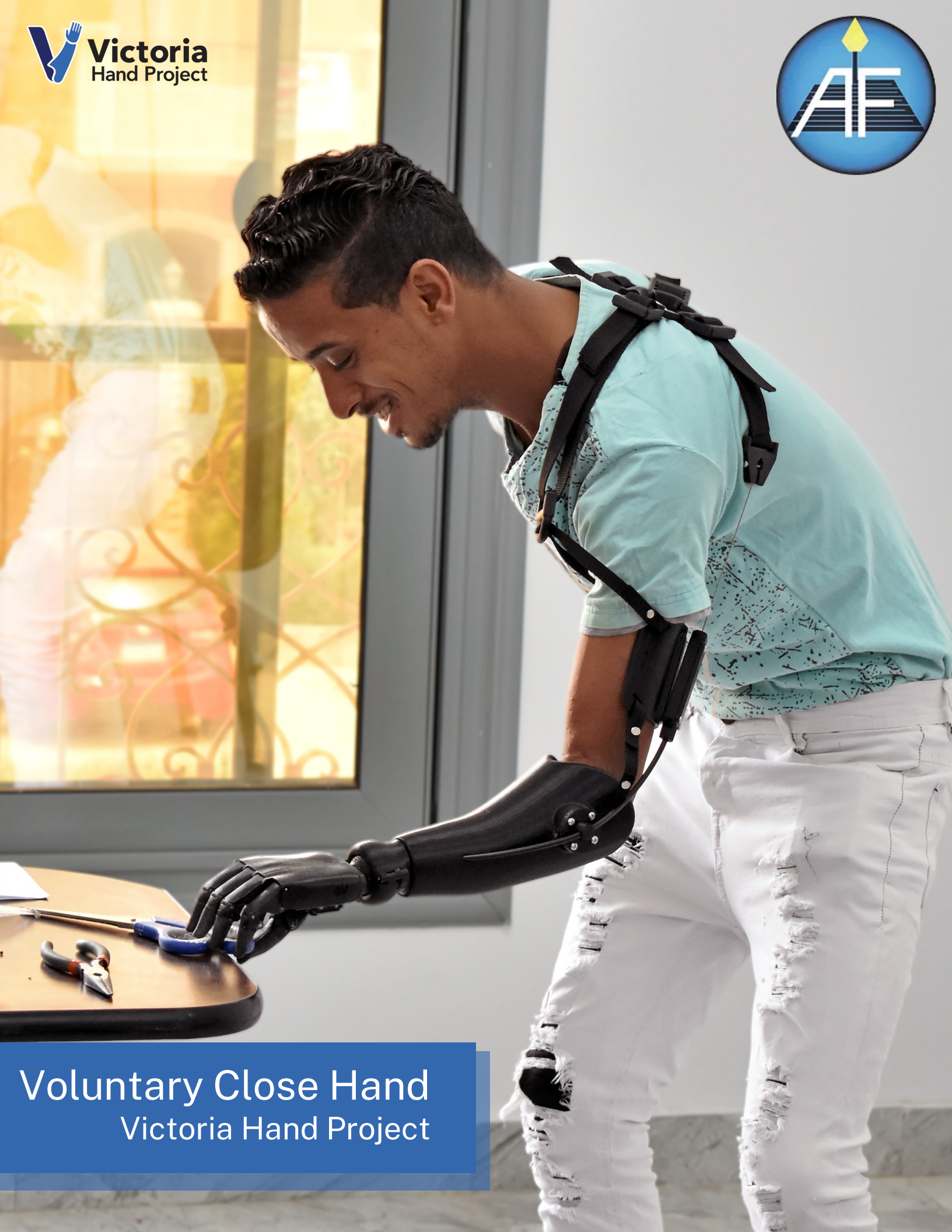
Victoria
Hand Project



Voluntary Close Hand

Victoria Hand Project

The Victoria Hand

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.

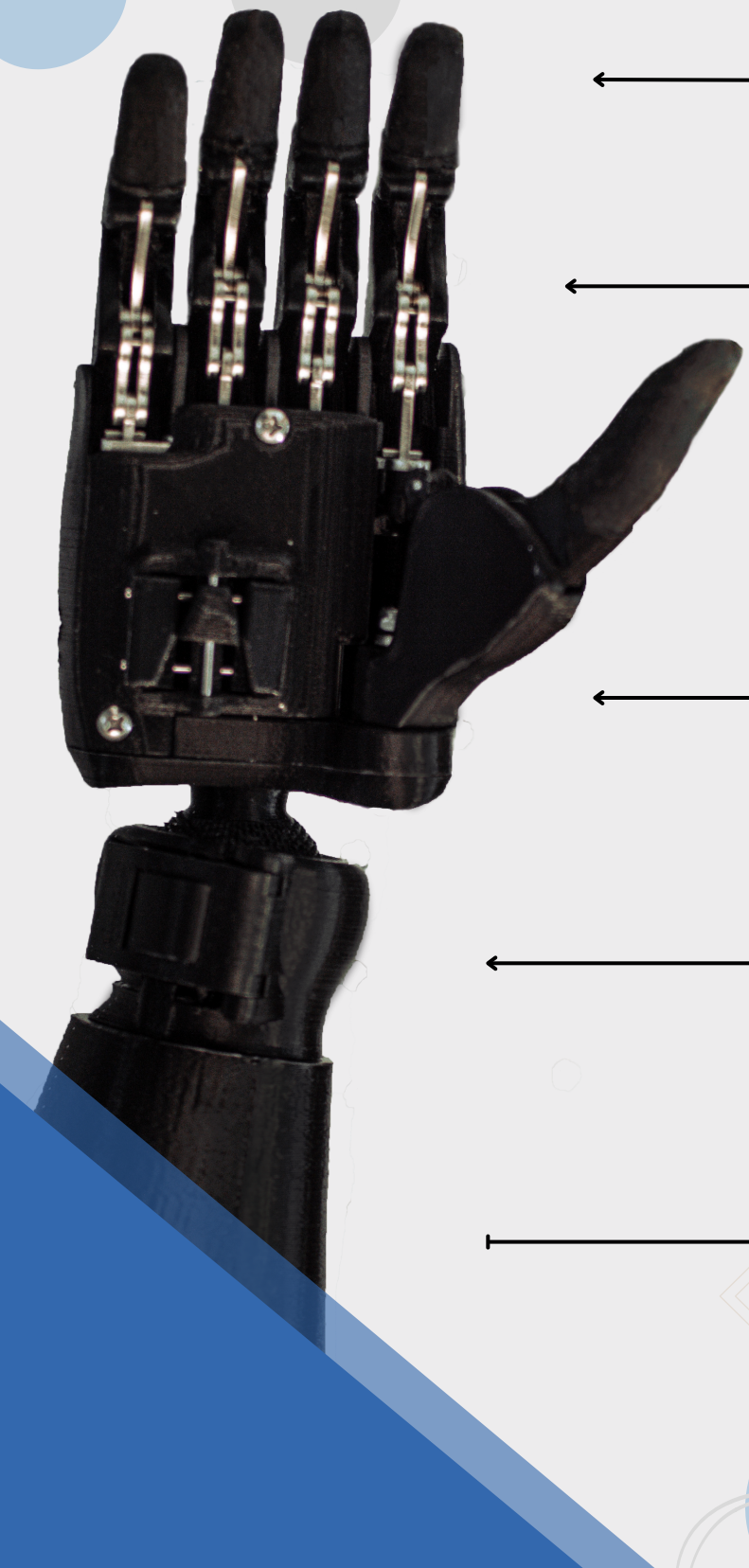
Voluntary Close Hand

The Voluntary Close Hand remains open until the user shrugs their shoulders to actuate the hand, and close the fingers. The Voluntary Close Hand is the most popular style of hand offered to upper-limb amputees by the Victoria Hand Project. The Voluntary Close Hand is a suitable choice for most users, especially those who are new to using a prosthetic device.

Additional Hand Types

In addition to the Voluntary Close Hand, the Victoria Hand Project offers both the Voluntary Open Hand, and the Small Hand. 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. The Small Hand is a scaled down version of the Voluntary Close Hand and is suitable for both children and smaller users.

Voluntary Close Hand - Features



Complete System
Includes Hand, Wrist, customized Limb Socket, and Harness

Molded Silicone Fingertips
Increased grip

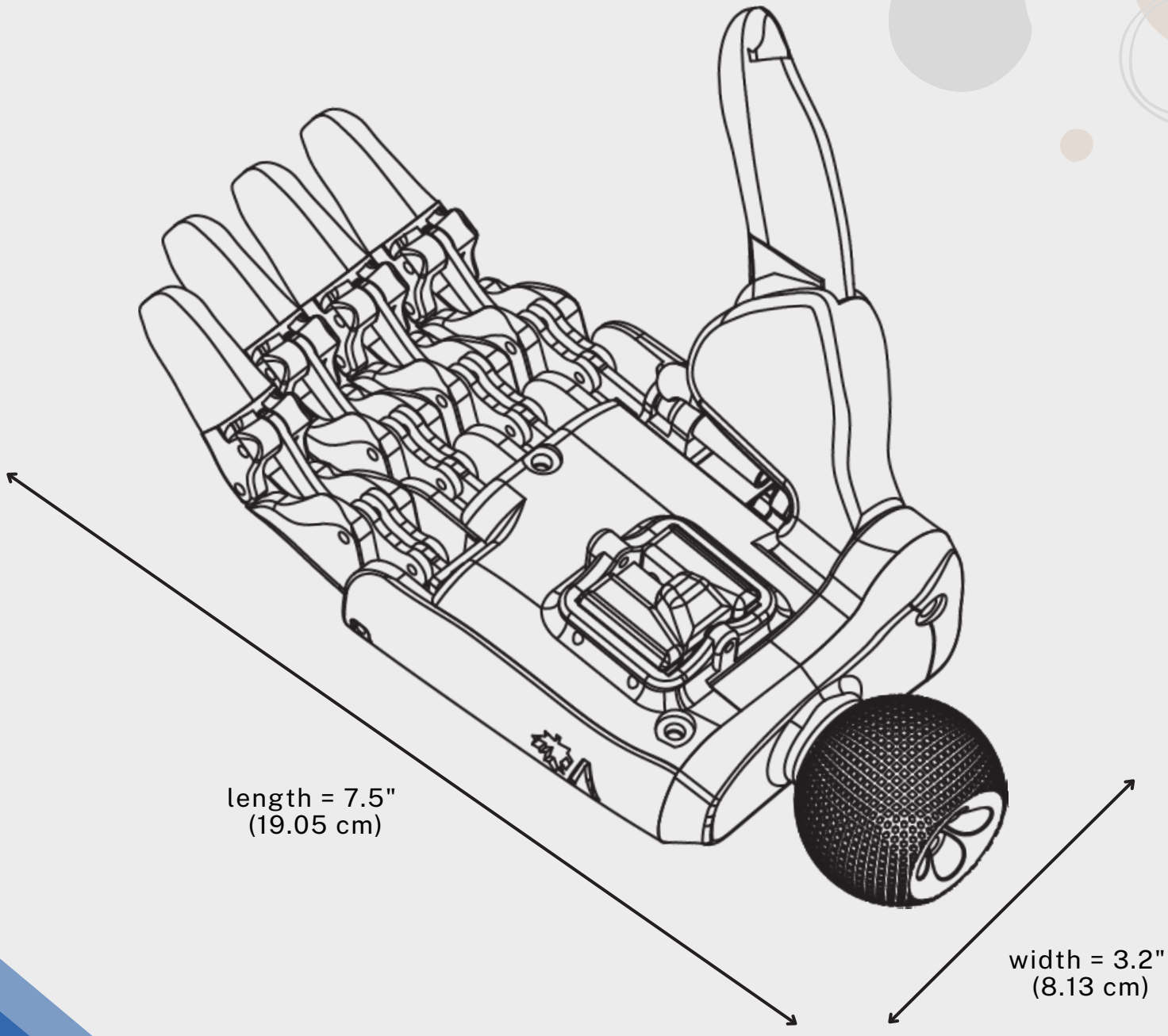
Stainless Steel Internal Phalanges
Durability and strength

Rotatable Thumb
Different grasps

Palm Backlock Mechanism
Lock the Hand closed

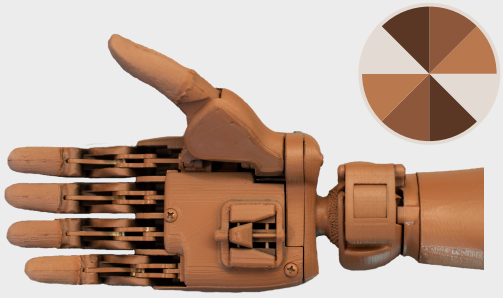
Ball and Socket Wrist
Move, rotate and lock the Hand in any position

Personalized Limb Socket
Limb Socket completely customized to each user



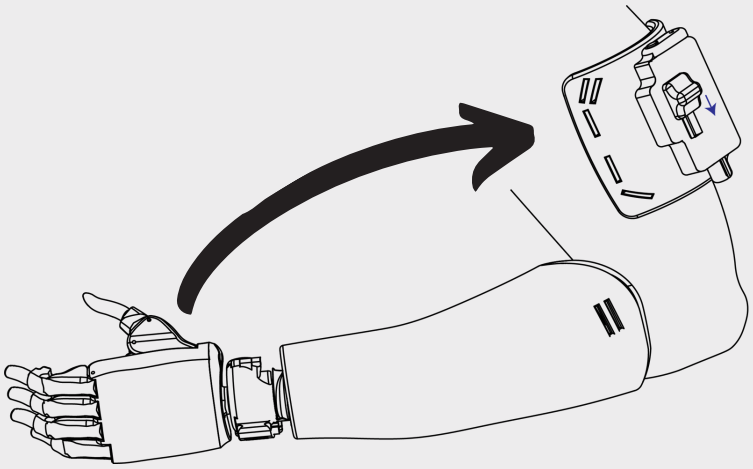
Weight of Hand: 0.63 lbs (0.287 kg)

Weight of System: 1.50 lbs (0.675 kg)



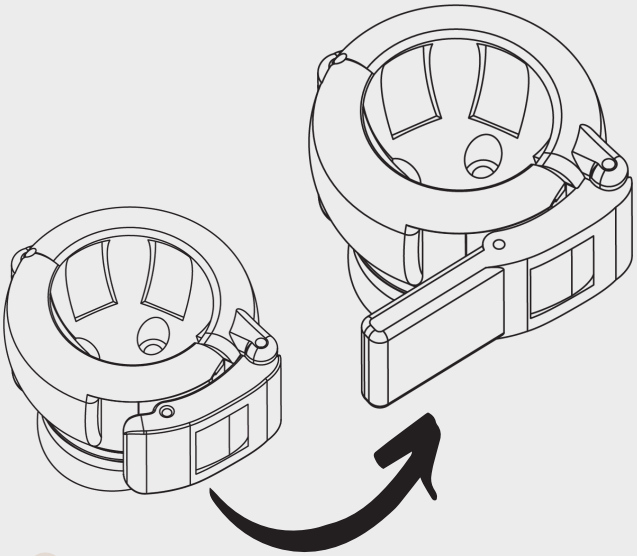
Personalized Cosmetics

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



Tricep Backlock

Some users may prefer to have the Backlock on their Tricep Brace, rather than in the Palm. By moving the Backlock to the Tricep Brace, the inside of the Palm is flat and can grasp objects more easily.



Accessible Wrist Latch

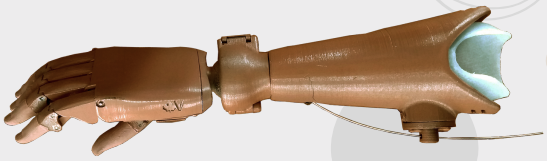
For bi-lateral amputees or users with restricted motion, an accessible wrist latch can be added for ease of opening and locking.

Trans-Radial

This socket is for individuals with amputations below the elbow.

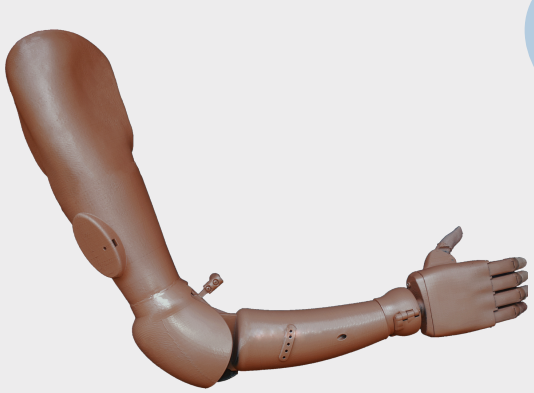
Trans-Radial Suspension

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.



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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https://www.ascentfab.com/
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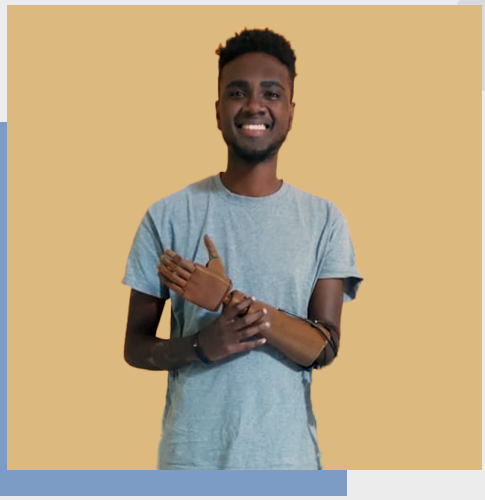
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