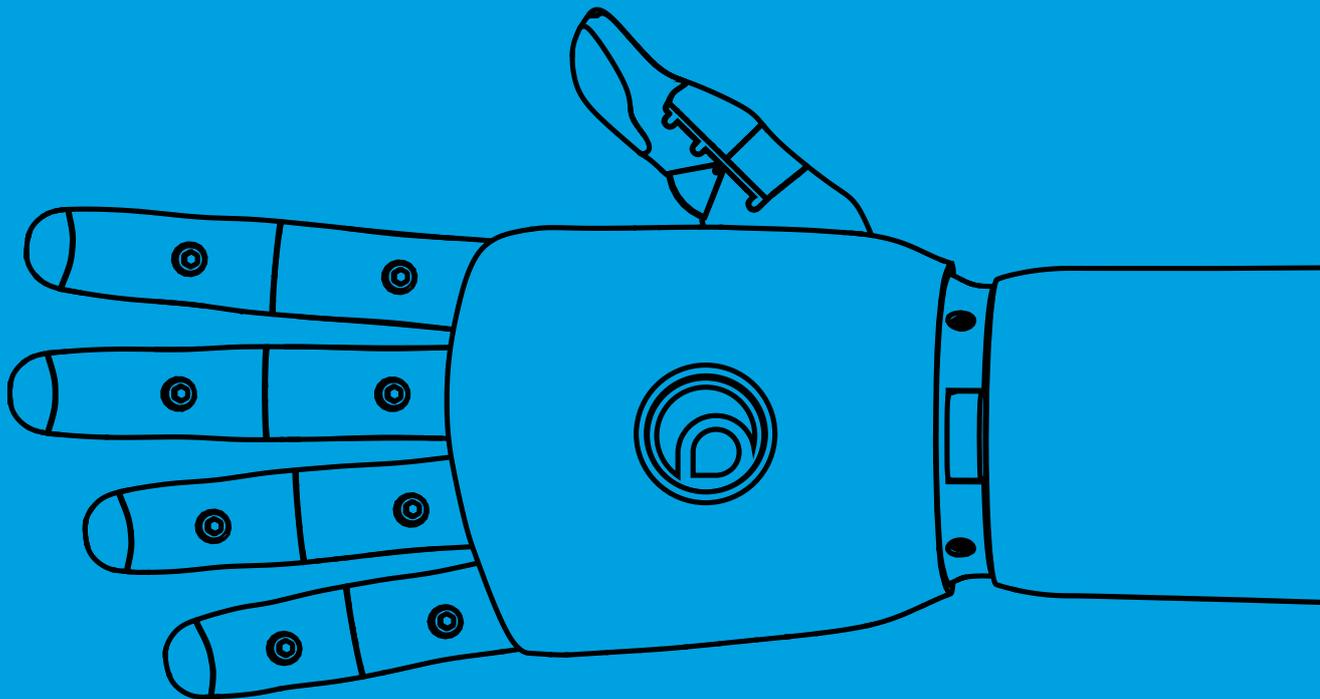




HERO ARM™

Cast Requirements



When completing a Hero Arm order, before sending a cast or scan of a cast to Open Bionics, please ensure the following requirements have been met. **We cannot accept casts or scans of casts that do not meet the requirements.**

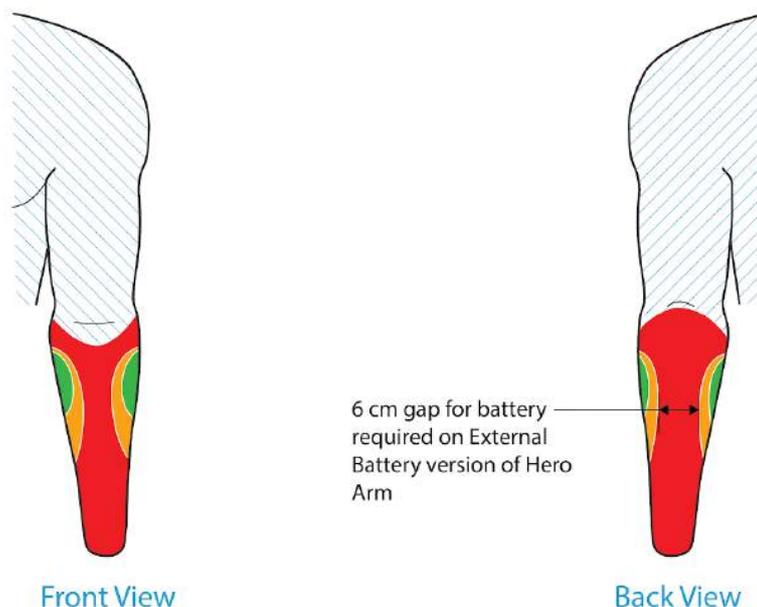
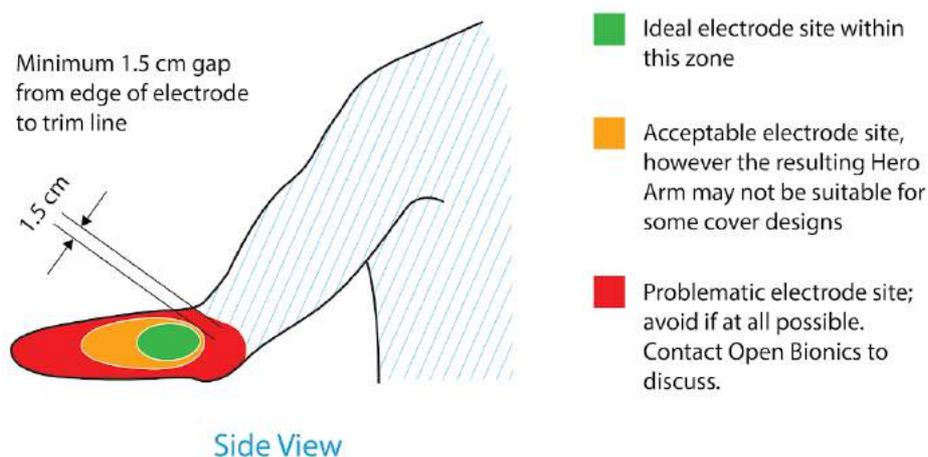
Internal Battery Eligibility

20.5cm is the minimum distance from residuum end to thumb tip to allow for an internal battery version of the Hero Arm. A user with this distance or greater can choose an internal or external battery version. A user with a distance smaller than this will require an external battery version.

Electrode Location

If investigating electrode location on an external battery version of the Hero Arm, a battery must be accommodated for. Battery holder dimensions are 5.5 x 7.5 cm, therefore a 6cm gap should be accounted for.

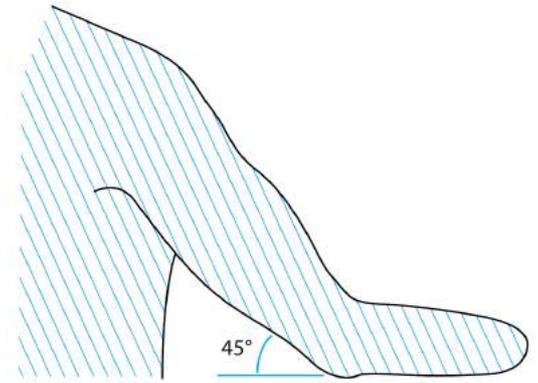
There must be a 1.5 cm gap from the edge of the electrode to the trim line of the arm.



Cast

When creating a cast, the arm is ideally bent at a maximum angle of 45° and includes the elbow joint. Suspension of the Hero Arm is achieved by pinching at the epicondyles and wrapping around the elbow. The BOA system on the Hero Arm tightens the socket, which can allow for reduced elbow wrap around, to increase comfort of arm extension.

The trim line marked onto the cast will be what the flexible socket liner will be manufactured to, and the rigid outer frames will be ~8mm short of this.



Sending a Cast Scan (preferred option)

Before scanning the cast take images viewed from the top, bottom, and both sides. The cast images must have the following clearly marked on it:

- Trim line.
- Electrode locations outlined using Open Bionics stencils.

Engrave the cast when taking a scan to identify the following:

- Trim line.
- Electrode locations outlined **using Open Bionics stencils**.

Scans must be sent in .stl or .obj file format, with a sufficient resolution to identify the engraved markings on the cast.

Sending a Physical Cast (non-preferred option)

Before sending the cast take images viewed from the top, bottom, and both sides. The cast images must have the following clearly marked on it:

- Trim line.
- Electrode locations outlined **using Open Bionics stencils**.

Further Information and Contacting Us

For further information on the Hero Arm and casting guidelines please read the Open Bionics Design Guidelines.

If you need to contact us to discuss the Hero Arm cast requirements, please do so via the email or telephone number stated below.

support@openbionics.com

+44 1174 285 752/763

Checklist

Please complete the following checklist before sending a cast or scan of a cast to Open Bionics. Ensure the following requirements have been met:

- Electrode location accommodates for a Hero Arm battery and is a sufficient distance from the trim line.
- Cast has been taken with the arm bent between 0° to 45° angle.

Sending a cast scan:

- Images of the cast have been taken from the top, bottom and both sides, clearly identifying trim line and electrode sites.
- Open Bionics electrode stencils have been used and sites clearly engraved on the cast.
- Trim line has been clearly engraved on the cast.
- Scans are in .stl or .obj file format, with a sufficient resolution to identify the engraved markings on the cast.

Sending a physical cast:

- Images of the cast have been taken from the top, bottom and both sides, clearly identifying trim line and electrode sites.
- Open Bionics electrode stencils have been used and sites clearly marked on the cast.
- Trim line has been clearly marked on the cast.

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