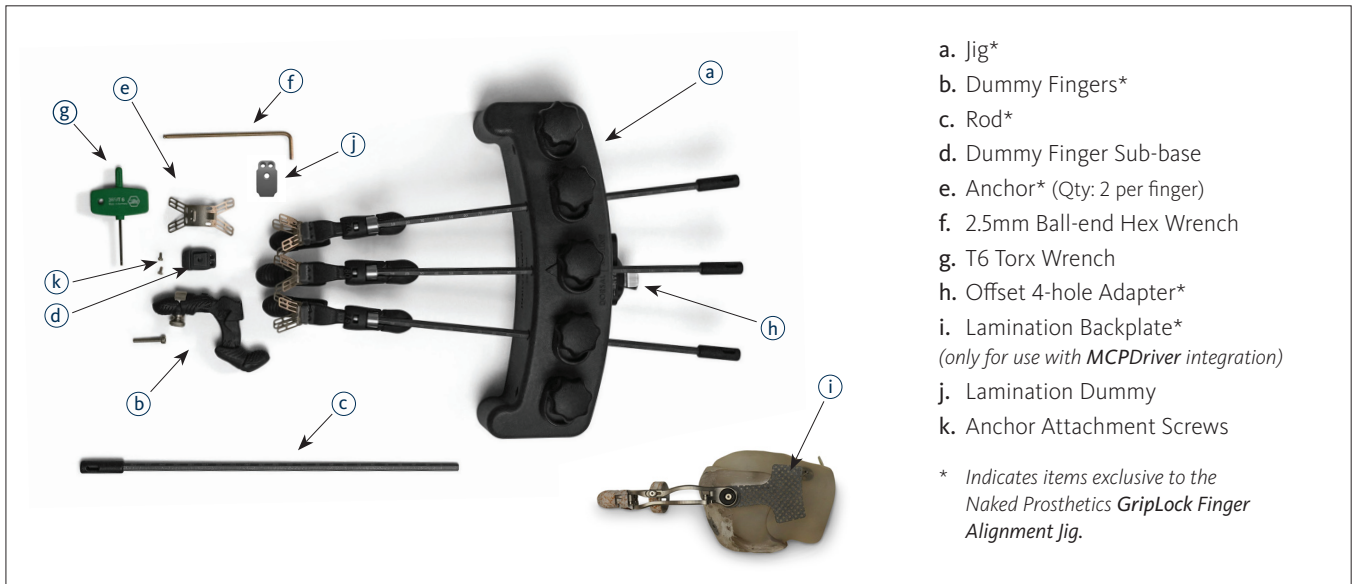


GripLock Finger™ Alignment Jig | Instructions

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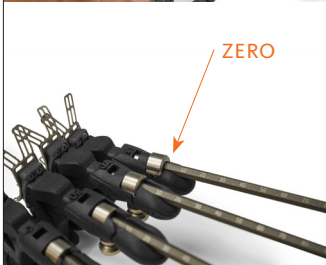
Static Alignment of GripLock Finger (GLF) on Diagnostic Test Socket



1. Secure (d) Dummy Finger Sub-base to each (b) Dummy Finger and screw together using (f) 2.5mm Ball-end Hex Wrench.



2. Place the (a) Jig flat on the table and insert (b) Dummy Fingers onto (c) Rods. Check graduations on Rods to ensure each Dummy Finger is fully seated and aligns to zero. Secure thumb screw on Dummy Finger.



Orient the 3rd ray to the middle of the Jig (indicated by arrow); Rod placement will be different for left and right hands. Flexed portion of the Dummy Finger should be facing towards the table.

3. Slide (c) Rods to the desired finger position and tighten the knob on the (a) Jig.

Take note of graduations on rods for easy alignment transfer to the definitive socket.



- For patients with amputations more proximal than the MCP joint, determine if socket build-up is necessary.
- Ensure (b) Dummy Fingers are not in contact with each other in the flexed position.
- Position Dummy Fingers to follow natural curve of the hand.

4. To aid the patient with wrist positioning, support may be used under the wrist for proper alignment in the sagittal plane. Position the patient's hand in the test socket aligned with **(e)** Anchors. Correct for deviations and ensure a neutral position.

- Align the neutral socket parallel with the **(c)** Rods. The **(b)** Dummy Fingers are attached to the Rods with 5 degrees of pre-flexion built in to them.

SAGITTAL PLANE



CORONAL PLANE



5. For proper alignment in the coronal plane, use the demarcation on the **(a)** Jig to bisect the 3rd ray of the anatomical hand.

- Alignment of the centre of the Jig will always be at the 3rd ray, regardless of whether the digit is amputated or intact.

6. Secure **(e)** Anchors with epoxy.

- Wing tabs can be bent into the desired position by hand. Tabs may be cut to fit within socket trim lines.



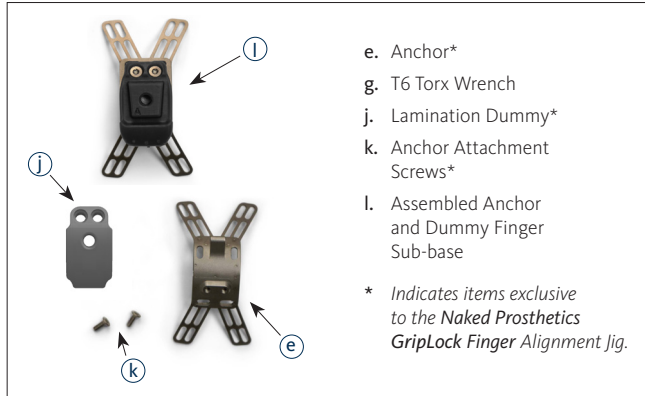
7. To perform dynamic alignment, replace the **(b)** Dummy Fingers with the **GripLock Fingers** to the **(e)** Anchors using the provided screws and **(g)** T6 Torx Wrench. Flex the **GripLock Finger** through the range of motion to ensure function. At this point, the patient may demo the **GripLock Fingers** dynamically on the test socket to ensure proper grasp is achieved.

Naked Prosthetics strongly recommends trialing dynamic alignment of all devices prior to transfer to definitive lamination.



Alignment Transfer of the GripLock Finger in Vertical Alignment Jig

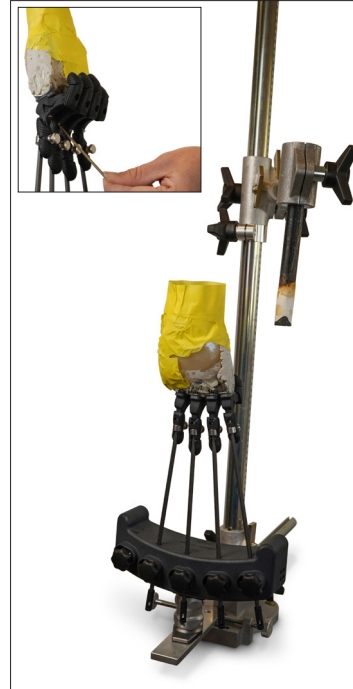
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1. Remove GripLock Finger(s) from the test socket. Secure lamination dummies to anchors using (g) T6 Torx Wrench.

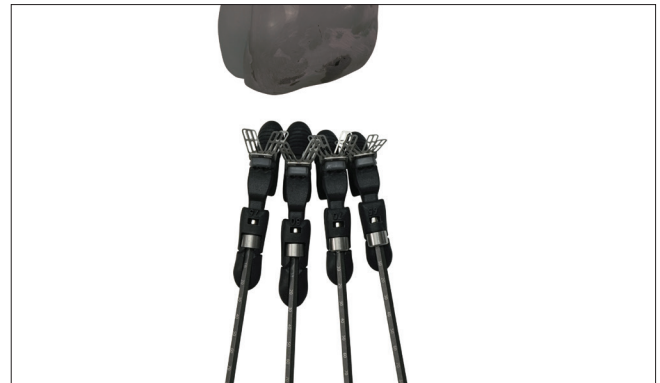


2. Secure the (a) Jig into a standard Vertical Alignment Jig using the provided (h) Offset 4-hole Adapter. Set (c) Rod graduations to the same height that was used for static alignment.



3. Secure (b) Dummy Fingers to (d) Dummy Finger Sub-base using the (f) 2.5mm Ball-end Hex Wrench.
4. Pour test socket and set pipe in plaster. Alignment of the GLF on the test socket has been captured.
5. Fabricate the desired inner lining. A two-stage lamination is suggested in order for the (e) Anchor alignment to be transferred to the inner lamination.

- For precise alignment transfer, maintain all settings on (a) Jig. Moving (c) Rods or (b) Dummy Finger positioning will result in alignment changes



To transfer alignment:

6. Secure (b) Dummy Fingers to (d) Dummy Finger Sub-base using the (f) 2.5mm Ball-end Hex Wrench and attach to the (e) Anchor.
7. Return your first lamination to the standard Vertical Alignment Jig. Secure lamination to the (e) Anchor.
8. Remove (b) Dummy Finger and (d) Dummy Finger Sub-base. Attach (j) Lamination Dummy to the (e) Anchor using (k) Anchor Attachment screws. Apply final lamination in desired fashion.

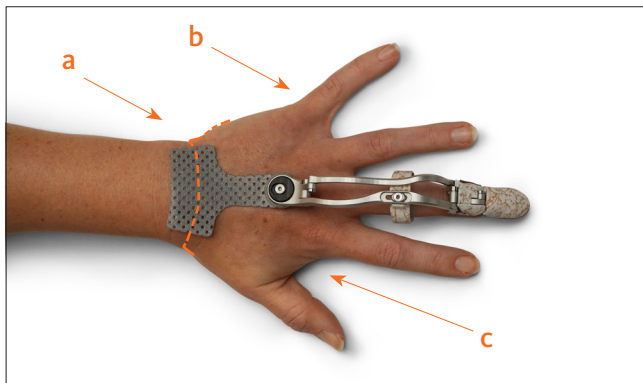
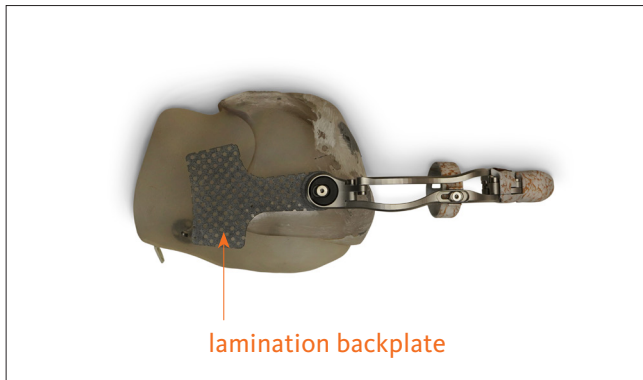
Naked Prosthetics recommends applying hard wax to the lamination dummies as a separator.

Appendix - Integrating Multi-Device Systems into Partial Hand Sockets

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A. MCPDriver™ Alignment and Integration

To integrate an **MCPDriver** into the lamination, use the provided lamination backplate to statically align this device on the test socket.



Position the lamination backplate on the test socket so the hinge joint of the **MCPDriver** falls directly over the anatomical MCP joint centre of rotation.

If necessary, trim lamination backplate to fit inside the socket trimlines.

- a: (Optional) Trim if backplate if it is outside socket trimlines
- b: MCPDriver hinge joint
- c: Patient's anatomical MCP joint centre of rotation

Naked Prosthetics strongly recommends trialing dynamic alignment of all devices prior to transfer to definitive lamination.

B. ThumbDriver™ Alignment and Integration

To attach the **ThumbDriver** to the socket on its own anchor plate Naked Prosthetics recommends using a strap and rivet system to attach a **ThumbDriver** to the socket with its own anchor plate.

Silicone pad may be peeled away to allow for the addition of a custom strap. It is not recommended for the anchor to have direct contact with the skin. The silicone backing can be re-attached with silicone adhesive, if desired.



Placement of the anchor plate should align over the patient's CMC joint.