Partial Hand SOLUTIONS, LLC

Technical and Fabrication Instructions

HOLD-IT

Implement holder

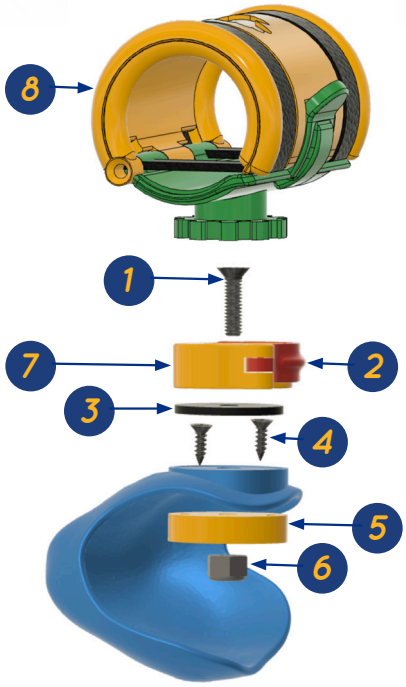
PACKAGE CONTENTS

8/32 X 5/8 flat head screw
0-80 X 3/8 flat head screw
Rubber washer
Flat head wood screw (2)
1.1 X .25 inch mount dummy
8/32 locknut
Implement mount
Implement holder
8/32 low profile nut
(requires Loctite 242)

REQUIRED TOOLS

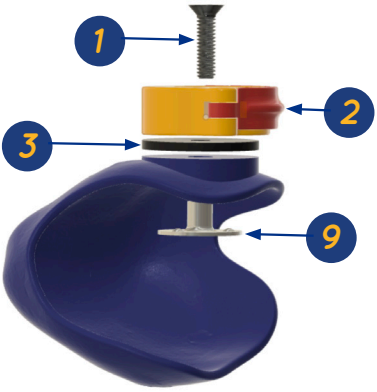
Phillips screwdriver
Flathead screwdriver
Loctite 242

OPTION 1



OPTION 2

(REQUIRES LOCTITE 242)



Hold-It Assembly

1. 8/32 X 5/8 flat head screw
2. 0-80 X 3/8 flat head screw
3. Rubber washer
4. Flat head wood screw (2)
5. 1.1 X .25 inch mount dummy
6. 8/32 locknut
7. Implement mount
8. Implement holder
9. 8/32 low profile nut (requires Loctite 242)
   Replaces 4,5 and 6

Fabrication instructions for option 1

1. Duplicate silicone socket and create new plaster model of the silicone to make your frame.
2. Build up on plaster model (shown in blue) with 1.1 inch diameter plastic dummy. This will create a flat surface to laminate over and to allow for a flat surface to allow for proper mounting of the implement holder
3. Prepare model fort lamination
4. Apply laminating nylon over model
5. Apply PVA bag
6. Apply nyglass and carbon based on specific patient needs for strength and thickness
7. On final layer, install the other 1.1 inch diameter washer and laminate in. This washer will be ground out and removed after lamination is cured. This will allow for a flat surface to mount the implement holder.

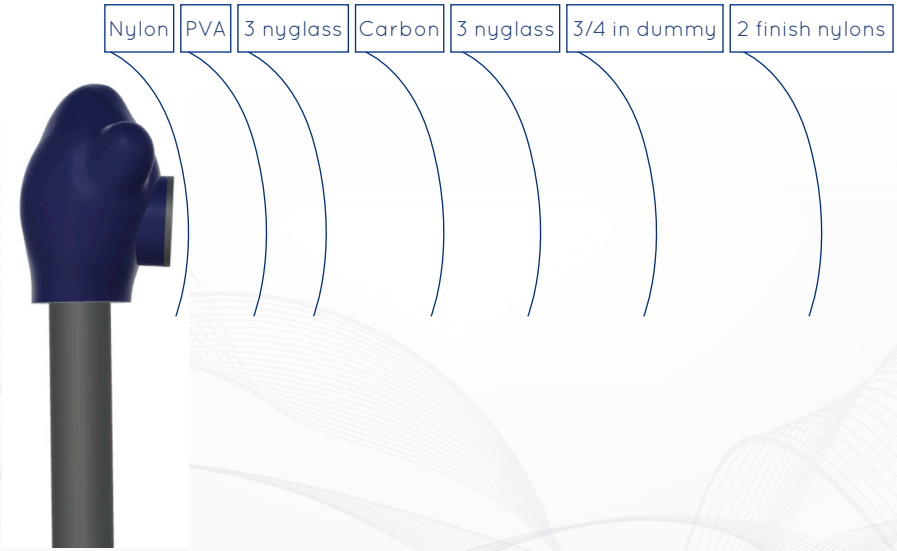
Lamination layup (Option 1)

Fabrication instructions for option 2

low profile version

1. Duplicate silicone socket and create new plaster model of the silicone to make your frame.
2. Build up on plaster model (shown in blue) with 1.1 inch diameter plastic dummy. This will create a flat surface and proper spacing to laminate over to allow for proper mounting of the implement holder
3. Prepare model for lamination
4. Apply laminating nylon over model
5. Apply PVA bag
6. Apply nyglass and carbon based on specific patient needs for strength and thickness
7. On final layer, install the other 1.1 inch diameter washer and laminate in. This washer will be ground out and removed after lamination is cured. This will allow for a flat surface to mount the implement holder

Lamination layup (Option 2)



Installation instructions

1. Once lamination is cured, break out from plaster model and trim out to proper trimlines.
2. If using option 1, reinstall dummy and lock nut (5 and 6 from package content list).
3. Drill out holes in lamination to match holes in dummy and install supplied self-tapping screws to secure dummy in place. The heads of the screws should be recessed into lamination. This can be done with a larger drill bit and turned by hand to prevent drilling all of the way through the lamination.
4. If using option 2, drill out hole in lamination to allow for low profile nut to recess into lamination. Install low profile nut (number 9 from package content)
5. Install remaining components as referenced in the above exploded view.

Socket fabrication

Note: College Park industries and Partial Hand Solutions do not provide fabrication services. The use of a fabricator, such as SPS National Labs in Cromwell, CT, is recommended

The typical fabrication process has the following steps:

A. A silicone cast is taken by the clinician and sent in to the fabrication center along with the fabrication form which can be found on the resources page at *www.partialhandsolutions.com.*

B. The cast will be poured and modified at the fabrication facility.

C. Fabrication will begin based on the instructions provided. A silicone inner socket and 3D printed nylon frame or pre-preg carbon fiber can be fabricated depending the specific needs of the user. Custom painting is also an option and if preferred should be discussed with the fabricator prior to fabrication.

Positioning of the "Hold-It" device.

The "Hold-It" is typically placed in the palm but can be placed where necessary to maximize user function.

Additional considerations/Tech Tips

- New users should start with a wearing schedule and ease into a full day of use.
- If using a silicone socket, apply a small amount of water or CalStat lubricant to limb to dampen skin and ease donning. Push limb into prosthesis.
- To remove prosthesis, break seal of silicone to reduce suction and pull prosthesis off of limb.

Cautions/Warnings

Do not expose this product to corrosive or caustic materials, salt water or pH or temperature extremes

Inspection/Maintenance

- User should clean the inside of the silicone liner with fragrance-free anti-bacterial wipes daily.
- Check attachment screws to make sure they are tightened.
- Inspect periodically for signs of wear.

Repairs

The “Hold-It” is supplied with replacement hardware if necessary. If other replacement parts are required please contact Partial Hand Solutions directly at 860-538-5532

M-Fingers are distributed by:

college park

800-728-7950 | 586-294-7950

27955 College Park Drive, Warren, MI 48088

TECHNICAL ASSISTANCE/ EMERGENCY SERVICE 24-7-365

College Park's regular office hours are Monday through Friday, 8:30 am – 5:30 pm (EST). After hours, an emergency Technical Service number is available to contact a College Park representative.

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