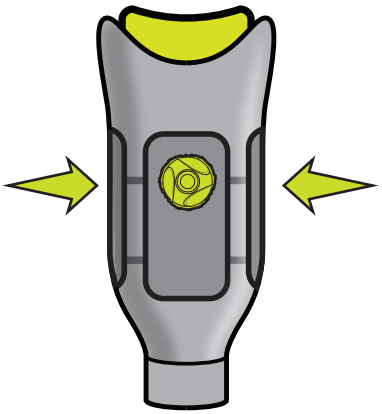
CLICK MEDICAL

RevoFit2™ by CLICK Lamination Kit

PK2000-320-05



For help, visit **clickmedical.co/rfkb**

Advisory and Weight Limit

Must be installed by a professional trained in RevoFit™ fabrication.
Lace will wear. At minimum, inspect monthly and replace every 6 months.
Overtightening could reduce circulation.
Do not use on patients with nerve issues.
Keep lace away from open flame and sharp edges.
Limit patient weight to 100kg *per* system.
See advisories in other languages: **clickmedical.co/advisories**

6 MONTHS WARRANTY

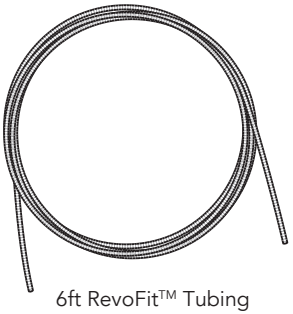
WARRANTY:
www.clickmedical.co/terms/#warranty

U.S. Customers:
Contact Click Medical directly
Help@ClickMedical.co • Help Line: +1 970 670 7012

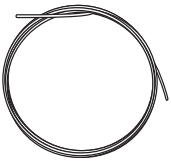
International Customers:
Please contact your local distributor

US PATENT# 8443501 • US PATENT# 9956094

Lamination Kit Contents:



6ft RevoFit™ Tubing

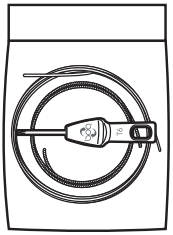


7ft Lace

Lace Feeder

RevoFit2™
Lamination Dummy

High-Power
Boa® Reel



Replacement
Lace Pack

Recommended Designs:

Below Knee
3-Panel Design
or Symes Door

Above Knee
2-Dial System with
Medial/Lateral Panels
+ Adjustable Strap

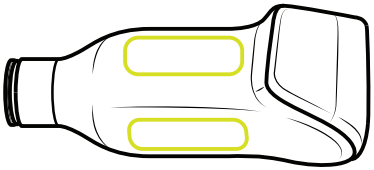
Recommended Suspension Solution:

Additional Kit Required
RevoLock™ Lanyard Kit
PK3000-220-05

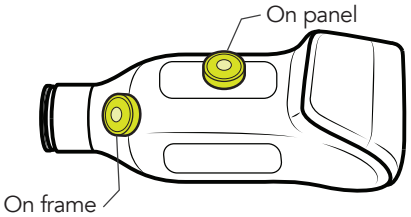
Design Overview:

1 Determine location of panels or areas of adjustment.

We suggest using a RevoFit2™ Diagnostic Kit (PK2150-320-05) on the check socket to verify this design.

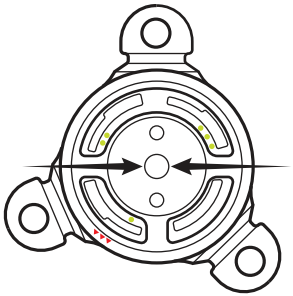


2 Choose location of reel.

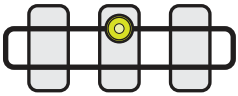


3 Choose lace route through lamination dummy.

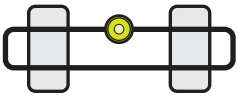
For **inline** routing - use port II and III



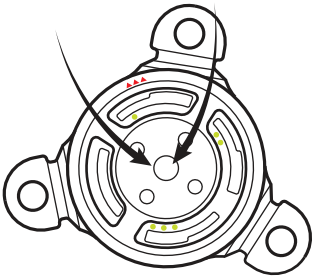
Inline - mounted on panel



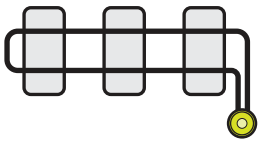
Inline - mounted on socket frame



For **remote** routing - use port I and II

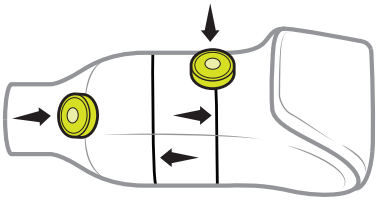


Remote - mounted on socket frame

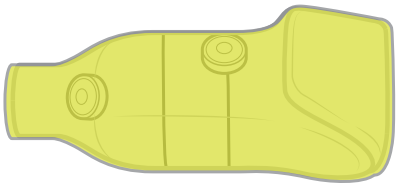


Fabrication Overview:

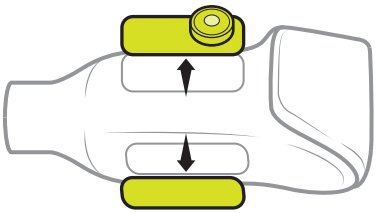
1 **Glue on RevoFit™ components.**



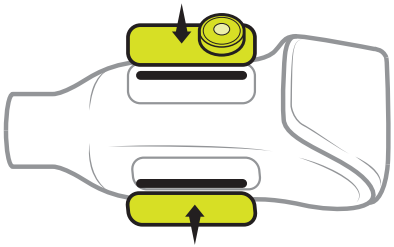
2 **Laminate.**



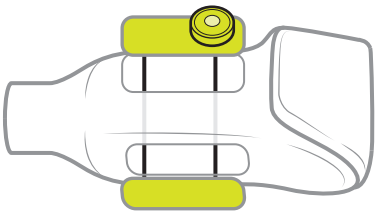
3 **Cut out windows.**



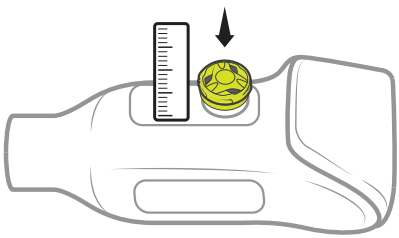
4 **Install & shape pads.**



5 **Lace socket.**



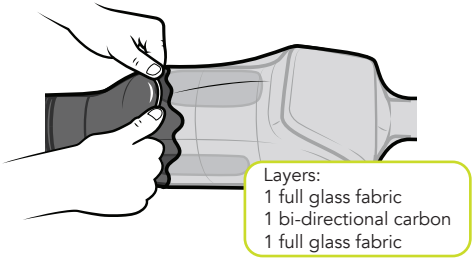
6 **Install reel & tune pads.**



Lamination Instructions:

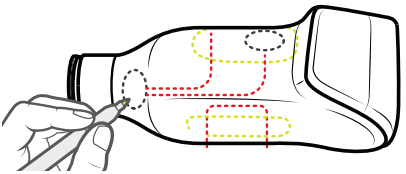
1 First lamination:

Prep the mold with a thin lamination layer. Reinforce areas under tubing and under panel cutouts.



2 Prepare socket for RevoFit™ components:

a. Roughly sand socket.
b. Draw in trim lines.
c. Determine dial and panel locations.
d. Roughly draw in tube guidelines.

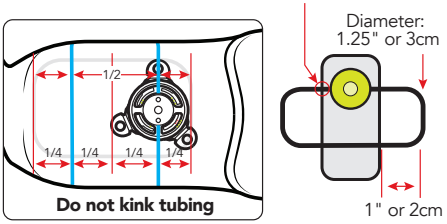


3 Draw tube guidelines:

a. Ensure that tube path crosses all panels with ¼ spacing rule.

b. Ensure tubing remains perpendicular to panel edges.

c. Don't turn tubing until 1cm past any panel edge.

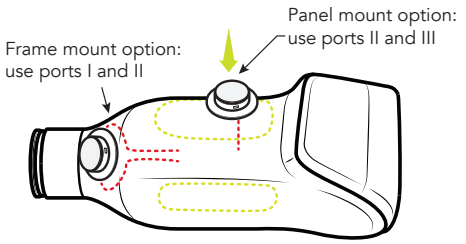


4 Mount lamination dummy:

a. If desired, cut tabs off for lamination.

b. If mounting reel *on frame*, glue lamination dummy into place now.

If mounting reel *on panel*, use ¼ rule for reel position (see Step 3).



5 Trim one tube end, pack with clay, and insert into lamination dummy:

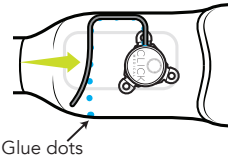
a. Cut at an angle so tube pierces silicone easily.

b. Pack clay.

c. Insert tube. Make sure it is inserted 2cm into silicone.

6 Glue on tubing:

a. Glue on tubing according to marking from Step 3.



b. Cut 2nd end of tubing to length and plug with clay.

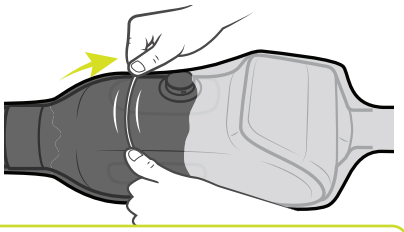
c. Insert free end of tube at least 2cm into silicone.

NOTE: Take photo of trim lines and panel locations now for reference after 2nd lamination.

Lamination Instructions (continued):

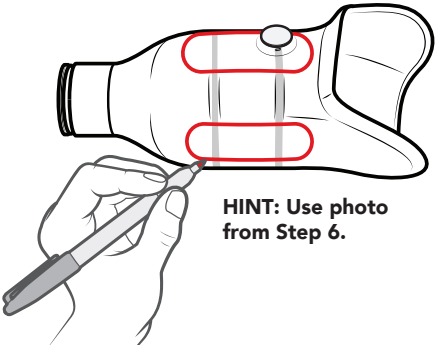
7 Laminate again:

Do not displace tubing or lamination dummy while laminating.



1. Use extra resin – sheathing and base absorbs resin.
2. Air and resin tend to collect around tube and reel base – string excess out.

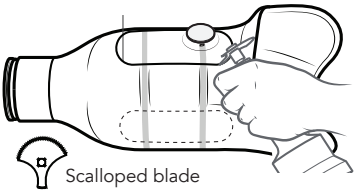
8 Mark location of the panels to be cut out:



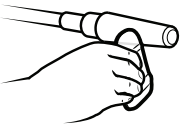
HINT: Use photo from Step 6.

9 Cut out the panels:

Use small end of blade for round corners.

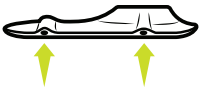


Scalloped blade



a. Sand edges

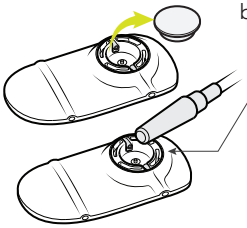
b. Clear tube holes



c. Finish sanding exit holes by hand until smooth

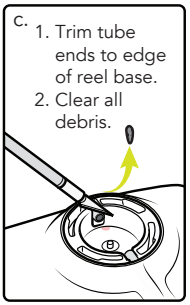
10 Prepare reel base:

a. Grind flush with top of silicone. Remove silicone.



b. Grind to top of plastic base. Do not damage reel base.

c.
1. Trim tube ends to edge of reel base.
2. Clear all debris.



11 Drill pilot hole to access tab to remove the reel:

IMPORTANT: Do not skip this step.

Locate inner ▲▲▲ for pilot hole location.

Drill through lamination at an angle, creating a tunnel to access the pilot hole & release tab (2mm drill bit).

Test and clear hole before installing reel.

Lamination Instructions (continued):

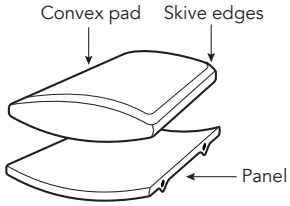
12 Fabricate and install pads:

Use pad thickness, material, and shape to refine pressure and fit.

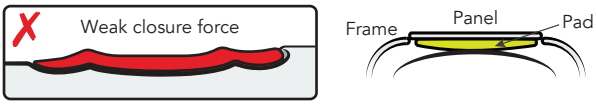
Pad Material:
Medium density pads (shore: 35)

Pad Thickness:
Average 3/16" (4.75mm)

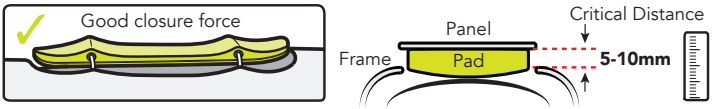
Pad Shape:
Slight convex shape allows for better application of pressure.



INCORRECT: Pad is too thin when panel is flush with socket.

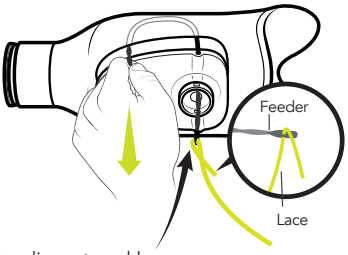


CORRECT: Pad is the correct thickness when panel sits above socket when fit is snug to patient.



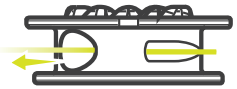
13 Feed lace:

a. Feed lace through socket.



Start feeding at reel base

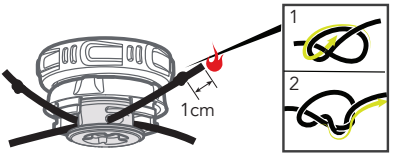
b. Feed lace through spool.



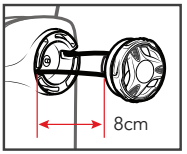
Feed lace into the small hole and out the big hole.
The knot lives in the big hole.

14 Attach lace to reel:

Insert laces into smallest end of pass-through on spool. Tie double overhand knots on each end. Burn ends and seat knots into recess.

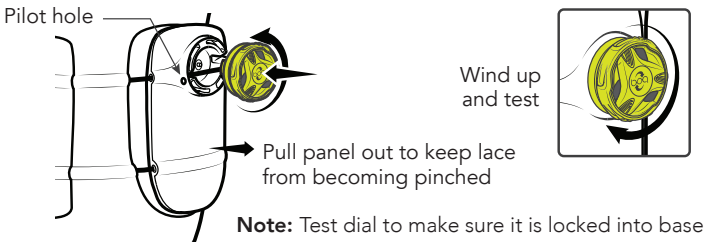


Leave 8cm of lace on both ends before tying knots.



Lamination Instructions (continued):

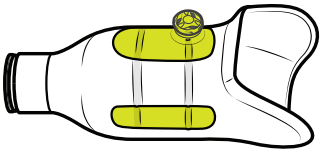
15 Insert reel into base, and turn counterclockwise 5mm to lock:



Note: Test dial to make sure it is locked into base before use.

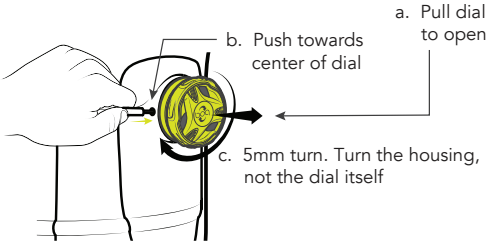
Finished!

- **Fit patient.**
- **Tune in fit** by refining pad shape (Step 12).
- **Deliver *Practitioner & Patient Instructions For Use* card** at device fitting.



How to remove reel:

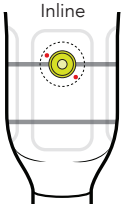
a. Open dial.
b. Use T6 tool to press inward on tab.
c. Simultaneously turn reel housing clockwise.



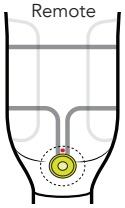
If no pilot hole, use vise grips to remove reel:

If you inserted the reel PRIOR to drilling an access hole, use vise grips to remove dial.

1 Locate release tab.

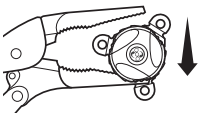


Depending on location, either 4 o'clock or 11 o'clock

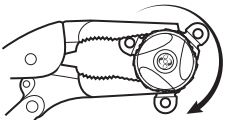


Always between tube path

2 Lock onto housing of reel with needle-nose vise grips at tab location.



3 Rotate clockwise 5mm to remove.



Show us your socket!

Follow us to see other designs and gather great fabrication ideas.

@ClickMedical #BuiltwithRevoFit
#RevoFit #AdjustableSocket

MD	
EC	REP

MDSS GmbH.
Schiffgraben 41
30175 Hannover
Germany

CE

CH	REP

MDSS CH GmbH.
Laurenzenvorstadt 61
5000 Aarau
Switzerland

UK	REP

MDSS-UK RP LIMITED
6 Wilmslow Road, Rusholme
M14 5TP Manchester
United Kingdom

Click Medical, LLC
1205 Hilltop Parkway, W101
Steamboat Springs, CO,
80487, USA • 1-970-670-7012

RevoFit2™
by CLICK

US PATENT# 8443501
US PATENT# 9956094

Revised 2019

RevoFit® FAQs

Q: How much volume adjustment can be created?
A: Up to 10 sock ply, but the numbers can vary depending on the use case.

Q: What is an adjustable socket weight limit?
A: For lower extremity prosthetic devices, the suggested weight limit is 220 lbs. You can use two systems if a patient weighs over 220 lbs and create two zones of moveable panels. For non weight bearing applications, there is no weight limit.

Q: Do you have a warranty?
A: Our components are replaceable. We have your back and can get you or your provider a replacement kit to fix the socket. Please contact us.
Also note that we warrant all products for 6 months, effective from the date of delivery to the original purchaser. To see the full warranty click here.

Patients can register their device with us for extra benefits. Register here.

Q: What types of liners or suspension systems are compatible?
A: Click Medical has made adjustable sockets compatible with most liner types (cushion, pin, seal-in, suction) and suspension systems (knee sleeve, pin lock, lanyard, suction, vacuum). We know there are many ways to make a prosthetic limb and we do not want to dictate what systems can and cannot be used with adjustability.

Q: Do the panels only create pressure, or can they be used to release the pressure too?
A: RevoFit panels can both compress to create pressure or expand to create volume. This adjustable feature helps patients create comfort during different activities. When active, dial in compression for great fit and function. When seated, release tension for comfort. With adjustability, each patient can dial in their own fit to suit their lives and bodies.

Q: What happens if the lace breaks?
A: The RevoFit system is robust and holds up well over time. Even so, laces and dials can break. Each component of the system can be replaced by either you or by your prosthetist and it only takes a few minutes. Click recommends lace replacement every 6 months.

Q: How strong is the lace and what is it made out of?
A: It is 500lb Spectra (Dyneema) Lace.

Q: How long does the lace last?
A: The lace often lasts the life of the socket. However, we recommend replacing it every six months. It's easy to do and it ensures that your socket will always be in tip-top condition.

Q: Is the RevoFit System waterproof?
A: RevoFit is safe to submerge in fresh and saltwater. If you do use the system in saltwater, rinse the system with clean water afterwards to remove salt and any corrosive elements.

Q: Does the RevoFit system provide enough power to be used with knee flexion contracture stretching in BK amputees?
A: The system is able to create approximately 200lbs of line tension. If you add a block and tackle configuration with the lace, you can create even more power. The system can be added to a device and used for contracture management. If you are a patient, please reach out to your practitioner.