CLICK MEDICAL
Revised Date May 2025

RevoFit®
Lamination Kit with Click® Reel
RF-200-07-01

APPROVED FOR PROSTHETICS L5783 L7406

Visit www.clickacademy.co for important video education on Click Reels and RevoFit operation

Advisories

Must be installed by a licensed professional.
Overtightening could compromise circulation.
Lace will wear:

- Routinely check for wear or damage.
- Look for broken fibers around areas of high wear.
- Replace lace if a significant amount of fibers are broken.
- Proactively replace lace every 6 months.
- Keep lace away from open flame and sharp edges.

Weight limit: 300lbs/135kg
See instructions in other languages: clickmedical.co/instructions
Also available in a Fabricators 10-Pack (RF-200-07-10).

Important: If you are fabricating a dynamic carbon AFO brace, you need to order the Slider Lamination Kit prior to fabrication. Order part number: RP-309 "RevoLock Slider Lamination Kit"

GUARANTEE

The Click Reel is guaranteed to last the life of the device into which it is originally installed. Registration of the Click Reel is required at the time of original device delivery. To register: clickmedical.co/contact-us/cr-registration/

WARRANTY

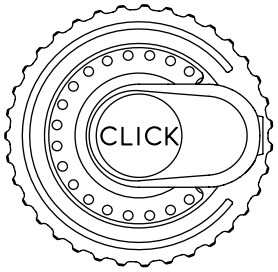
For warranty information on all of Click Medical's products: clickmedical.co/terms/#warranty

U.S. Customers:
Contact Help@ClickMedical.co
Tel: +1-970-670-7012

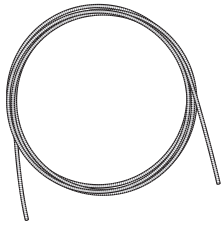
International Customers:
Please contact your local distributor.

Click Medical products are patent protected.
For full list see www.clickmedical.co/patents

RevoFit Lamination Kit Contents:

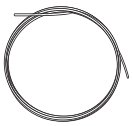


Click Reel

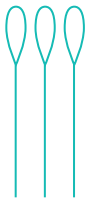

1.8m Lamination Tube


Metal Lace Feeder

Lamination Collar & Dummy


2.0m HD Lace

Reel Tool


Plastic Lace Feeder x 3

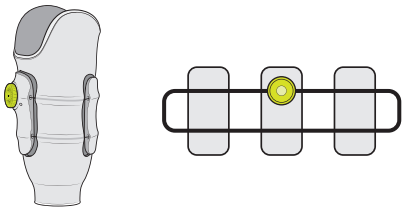
Fabrication Overview:

1. Determine adjustable design type: Panel, Gap, Hinge.
2. Determine areas of adjustment and location of Click Reel.
3. Pull flexible insert material over mold.
4. Apply inner layers and complete 1st lamination.
5. Mark areas of adjustment and location of Click Reel on device.
6. Glue RevoFit components to device.
7. Apply outer layers and complete 2nd lamination.
8. Cut trim lines and areas of adjustment.
9. Sand and finish edges.
10. Apply pad material (if making panels).
11. Lace device.
12. Select Reel Mode - Power Mode with Red Lock Plugs or Shift Mode with Red Lock Plugs removed.
13. Install Click Reel and test for function.
14. Deliver to patient and optimize fit.

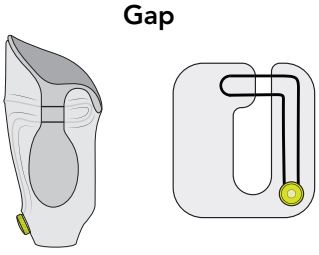
For material suggestions and guidelines, please refer to the **Material Data Sheet**: clickmedical.co/mds

Determine Adjustable Design Type:

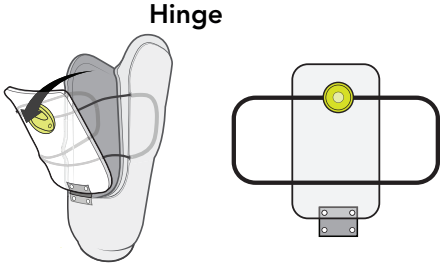
Panel



Gap



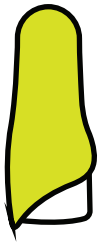
Hinge



Additional Designs: To learn more about designing adjustable RevoFit devices, enroll in Click Academy.

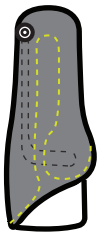
Detailed Fabrication Instructions:

DO NOT EXCEED 15 inHG OF VACUUM PRESSURE DURING LAMINATION

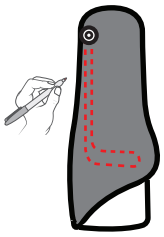


1 **Pull insert material over mold.**

2 **Complete first lamination.**



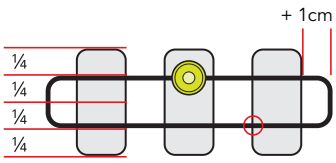
3 **Sand surface,** then determine areas of adjustment, trim lines, and location of Click Reel.



4 **Draw tube path on device.**

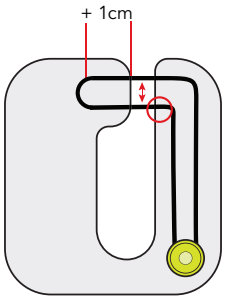
PANEL DESIGN RULE:

- ¼ rule = length of panel ÷ 4. Tube must be ¼ distance from top/bottom edges.
- Tubes must cross panel parallel to each other.
- Tube must cross panel at a perpendicular angle to edge.
- Tube must extend 1cm on the frame before turning.



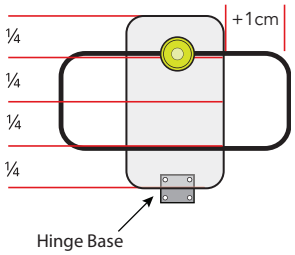
GAP DESIGN RULE:

- Tubes must cross gap parallel with each other.
- Tube must cross gap at a perpendicular angle to edge.
- Tube must extend straight 1cm on the frame before turning.



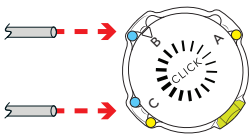
HINGE DESIGN RULE

- Use ¼ rule to determine where to route closure points.
- Tube must extend 1cm on the frame before turning.
- Hinge must be at a different level (in the transverse plane) than closure points.

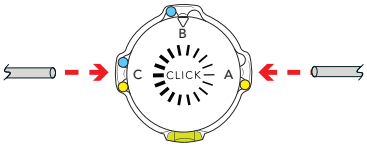


5 **Align tube ports with lace path and bond lamination collar to device.**

Note: Backfill any gaps between collar and device frame.



For parallel lace path:
Use blue ports B and C



For opposite lace path:
Use yellow ports A and C

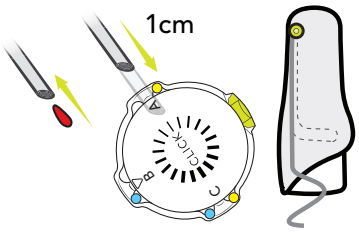
6 **Glue tube to device frame.**

a. Cut tube at angle, pack with clay and insert 1cm into silicone.

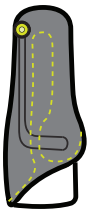
b. Glue along designated path with dots of super glue about every 1cm.

– **DO NOT KINK THE TUBE**
– If the tube kinks, you must replace with a new piece.

c. Cut the other end of the tube to length, pack with clay and insert 1cm into collar.

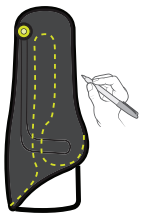


If fabricating a dynamic AFO or large gap prosthesis, ***add Slider at this step*** and reference the "Slider Lamination Kit" Instructions to add user-controlled lock, https://clickmedical.co/download/62723/

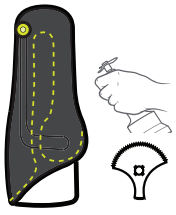


7 **Take photo of trim lines and areas of adjustment for future reference.**

8 **Apply outer material layers and PVA bag, then begin second lamination.**
Remove excess resin around the tube and collar.



9 **Re-draw trim lines and areas of adjustment.**
Use photo from Step 7 for reference.

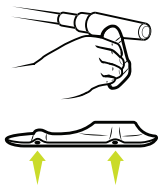


10 **Remove flexible insert and cut trim lines.**
Use small end of a segmented cast saw blade for tight turns.

Detailed Fabrication Instructions (continued):

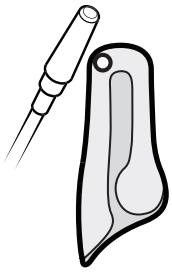
11 Finish edges of frame and/or panels:

- **a.** Sand edges.
- **b.** Clear tube ends of debris.
- **c.** Buff edges smooth with 1000 grit sandpaper.



12 Prepare collar:

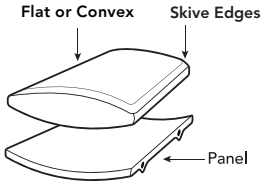
- **a.** Cut out fiberglass material covering the collar.
- **b.** Trim tube ends and clear debris.



13 Add pad material to panels or hinge designs.

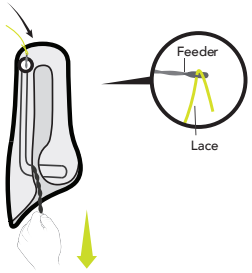
For more information in pad optimization, enroll in Click Academy.

Pad Shape: Flat or slightly convex shape which allows for better application of pressure.



14 Lace device.

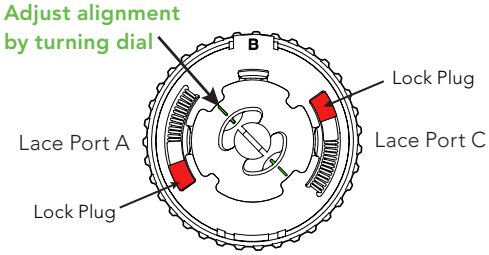
Start at the collar and use the lace feeder to pull lace through the device.



15 Attach lace to the Click Reel.

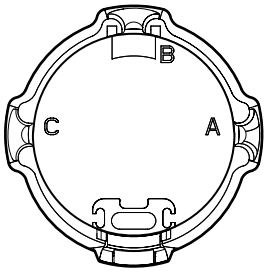
Step 1

Ensure that the reel is ready for lacing. Both lock plugs should be in place. The **green marks** on the spool should align with the **green marks** on the washer. If necessary, turn dial to align **green marks**.



Step 2

Attach each lace to its corresponding lace port on the reel - A, B, or C.

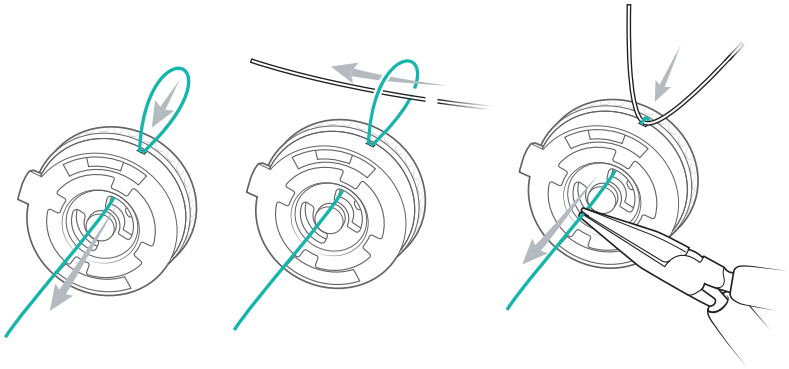


Step 3

Lace the reel using the plastic lace feeder.

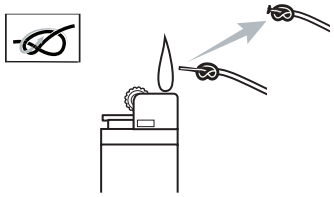
Pro Tip:

Gently pull the lace through the cavity to avoid breaking the plastic lace feeder.



Step 4

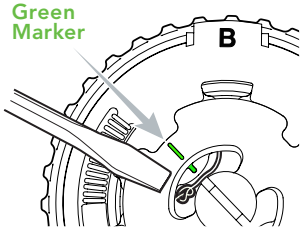
Tie a **single overhand** knot and trim tail to ~5mm and lightly burn the end of the tail.



Step 5

Pull lace to seat knot in the far lace pocket, on the opposite side of the **green marker.**

Completely push knot into the cavity with a #1 flathead screwdriver:



Step 6

Pull open lace end to remove loose lace from device.

Repeat Step 3 to feed open lace end through reel.

Meaure out ~10cm of lace.

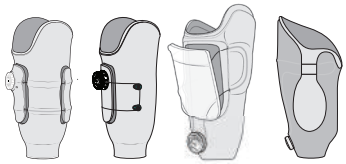
Repeat Step 4 to tie single overhand knot, trim and seat it.

Step 7 **Decide which reel mode to activate:**

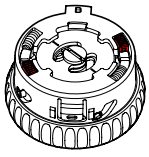
For more information on reel modes, watch our video here: https://vimeo.com/786989811

ADJUSTABLE DESIGNS WITH **Less than 3" of lace uptake**

75% of Applications

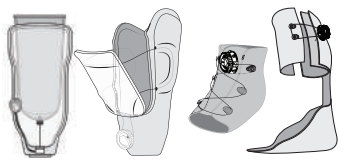


Keep Red Lock Plugs installed in the reel.

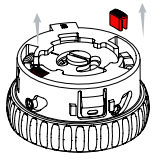


ADJUSTABLE DESIGNS WITH **More than 3" of lace uptake**

25% of Applications



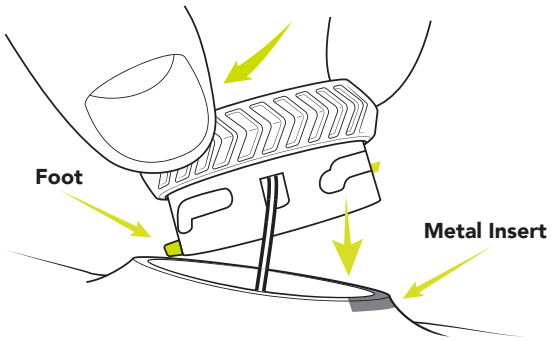
Remove Red Lock Plugs after lacing the reel.



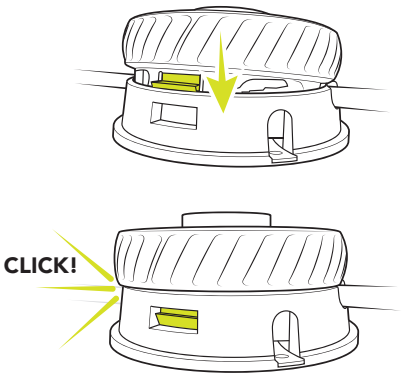
Pro Tip: Central fabricators should deliver device with Red Lock Plugs installed in reel. This will allow the practitioner to decide if they want Power Mode or Shift Mode.

16 Install the Click Reel.

a. Insert the foot of the reel into the void in the bottom of the collar opposite of the metal insert.



b. Press the reel firmly into the collar (you should hear a **"CLICK"** when secure).



17 Test function.

Cycle the system 3 times before delivering to verify proper function.

18 Important.

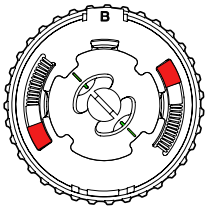
As a final step of fabrication, attach the patient **Instructions For Use** hangtag on dial.

How to use the Click Reel

The reel can operate in either Power Mode or Shift Mode.
If you want to change between modes, see our video on the process here: https://vimeo.com/786989811

How to operate the Click® Reel in **Power Mode** - With Red Lock Plugs

1. Turn the dial clockwise to tighten to desired tension.
2. Turn the dial counterclockwise to release tension.
3. Micro-adjust as needed.



If the reel always clicks when turned, it is in Power Mode

How to operate the Click® Reel in **Shift Mode** - Without Red Lock Plugs

1. Turn reel clockwise to quickly take up lace.

Reel will operate silently while taking up lace

2. Continue to turn the dial. It will automatically shift from "silent" to "clicking".

Once clicking, the reel will hold lace tension and wind up lace at a higher power

3. Micro-adjust by turning forward or backward.

4. To fully release lace, unwind counterclockwise until "clicking" stops. Lace will then freely release from the reel.

See clickmedical.co/instructions for detailed video instructions for replacing/re-lacing a reel.

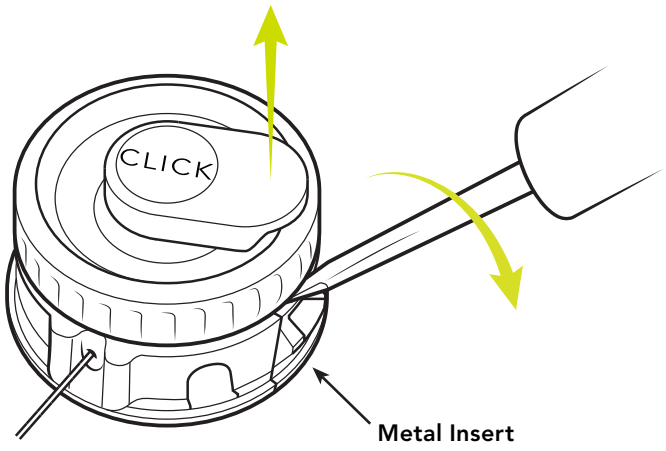
How to remove the Click Reel

To remove the Click Reel:

a. Locate the metal insert.

b. Insert a small flathead screwdriver between the metal insert and the reel body.

c. Gently pry the reel upwards.



At delivery of device with patient present, scan *Instructions For Use* Hangtag. Please review with your patient how to use the Click Reel and to care for and maintain their RevoFit system.

Regularly inspect your RevoFit® system.

Inspect lace:

- ✔ Check for wear or damage routinely
- ✔ Replace at any sign of wear
- ✔ Replace lace every 6 months

This product is waterproof and submersible. Rinse with fresh water after use in saltwater, sand, or mud.

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