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
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.

**Layers:**
- 1 full glass fabric
- 1 bi-directional carbon
- 1 full glass fabric

**Perpendicular crossings**
- Diameter:
  - 1.25" or 3cm
- Do not kink tubing

**Frame mount option:**
- use ports II and III

**Panel mount option:**
- use ports I and II

**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.

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.

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. Trim tube ends to edge of reel base. 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.
   b. Feed lace through spool.

   Start feeding at reel base

   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:

- Wind up and test
- Pull panel out to keep lace from becoming pinched

**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
2. Lock onto housing of reel with needle-nose vise grips at tab location.
   - Always between tube path
3. Rotate clockwise 5mm to remove.
Show us your socket!
Follow us to see other designs and gather great fabrication ideas.

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- Get free check socket kits.
- Improve patients’ lives.
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“Providing a patient with adjustability empowers them to make minor adjustments themselves. This means we can see more new patients.”

Angela J. Bryl, CPO - Clinical Director, Dankmeyer Prosthetics & Orthotics
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