ClickFit™ Best Practices & Design Rules

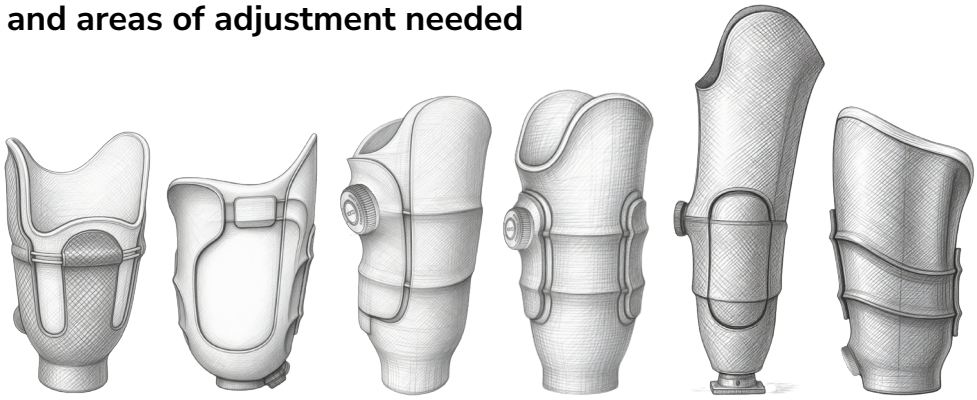
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Design Overview:

STEP 1

Determine the best design

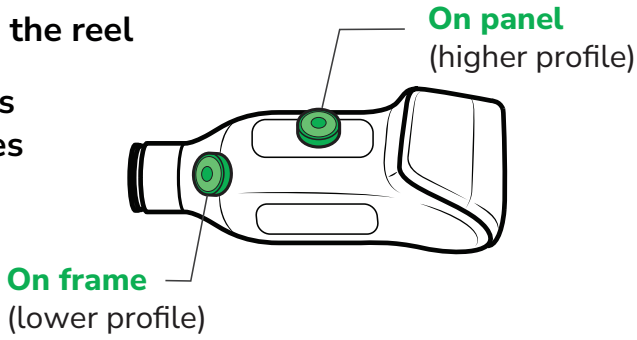
Choose panel, gap or hinge and areas of adjustment needed



STEP 2

Choose location of the reel

- Confirm the patient can reach and operate the reel
- Ensure the reel fits within all trim lines

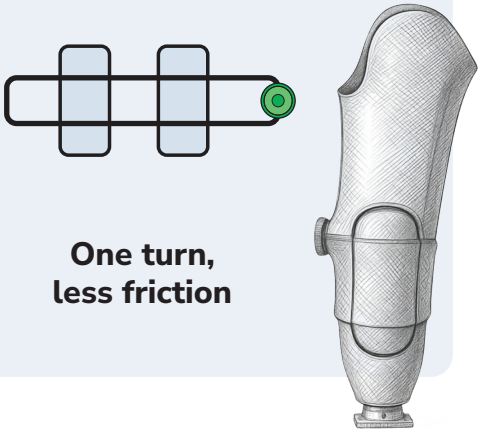


STEP 3

Determine the lace path

RECOMMENDED

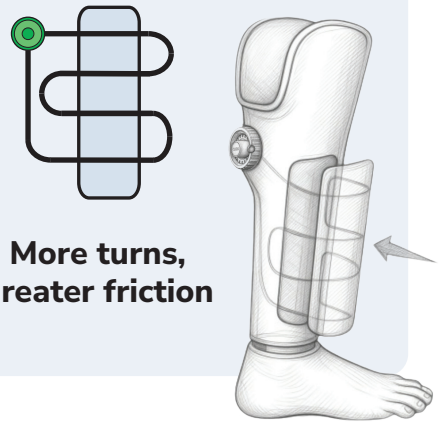
Minimal lace crossing & turnarounds – less friction, longer lace life.



One turn, less friction

AVOID

Multiple lace crossings & turnarounds – more friction, shorter lace life.



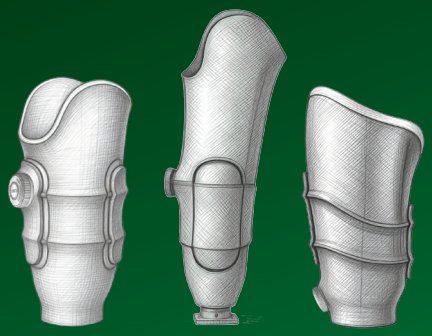
More turns, greater friction

CONTACT

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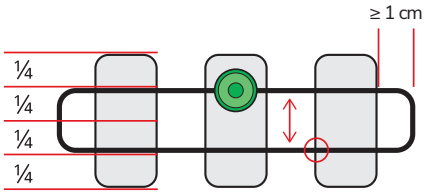
Panel

Best for targeted compression / expansion



DESIGN RULE:

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



Recommended

Narrow/thin panels are ideal for deflecting a flexible inner liner

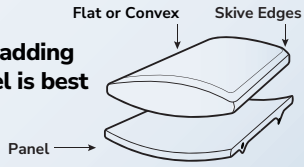


Avoid

Wide panels will cup the limb instead of deflecting inward

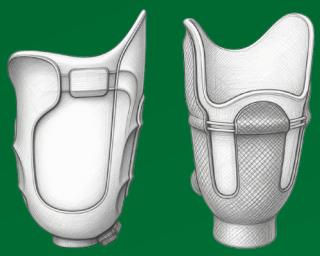


Convex padding on a panel is best



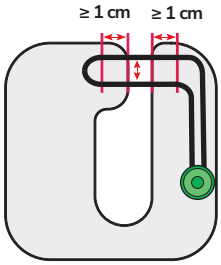
Gap

Best for global compression / expansion



DESIGN RULE:

- Tubes must be parallel to each other and perpendicular to socket edges
- Tube must extend 1 cm on the frame before turning



For gaps > 1"

Reuse the gap cutout to protect the flexible inner liner

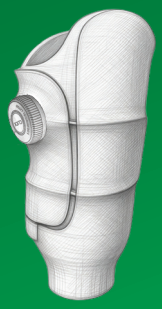


Create keyholes at the bottom of a gap



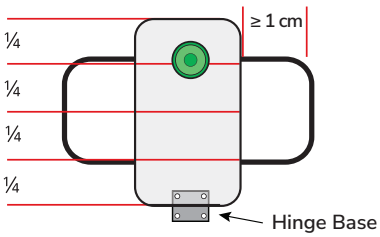
Hinge

Volume management for bulbous or asymmetric anatomy



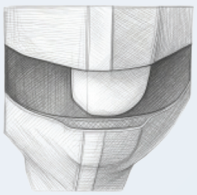
DESIGN RULE:

- Use ¼ rule to determine where to route closure points
- Tube must extend 1 cm on the frame before turning
- Tubes must be parallel to each other and perpendicular to socket edges
- Hinge must be at a different level (in the transverse plane) than the closure points



PRO TIP

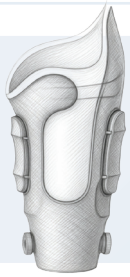
Hinge Designs



- Use flexible plastic for hinge material
- Create a void in the lamination
- Secure to socket with hardware
- The greater the distance between the hinge and closure points, the stronger the closure force

Combination Designs

- A combination design utilizes multiple reels to adjust specific areas of the limb
- Each adjustable design needs its own dial



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