

THUMBUP

Dynamic Extension-
Abduction Orthosis



Intended Use

The ThumbUp orthosis is designed to address loss of thumb extension due to tendon ruptures, and also includes a palmar abduction strap for patients with loss of radial nerve function.

The patent-pending design provides both thumb MCP extension with a neoprene sleeve, and IP extension with a breathable mesh material that preserves tactile function on the thumb pad. For radial nerve palsy, the ThumbUp can be combined with the KnuckleUp on the fingers for full five digit treatment. Additionally, for patients with loss of wrist extension, the ThumbUp strap is simple to wrap over a custom or prefabricated wrist support.

The ThumbUp's easy application and low-profile, comfortable design encourages patient compliance and makes fitting and education simple. Follow the QR code link for additional informational videos.



Pick the Right Size



or



then



5-10 min

Size

Measure

Trial

The ThumbUp is available in sizes ranging from Small to XX-Large, designed to fit most thumb sizes. There are 2 ways to help determine the proper size:

1. Use the KnuckleUp/ThumbUp Sizer Set: For the most accurate sizing in a clinic setting, the Sizer Set provides a quick and accurate way to determine the right fit.
2. Circumferential Measurement: Alternatively, you can measure the circumference of the thumb at the mid-level of the proximal phalanx just distal to the thumb-index web space. Use a soft measuring tape, then refer to the sizing chart on our website (QR code to right) to select the appropriate size. Sizing in this manner is less accurate since a measuring tape does not replicate the geometry and material stretch of the actual orthosis over the thumb proximal phalanx.



Whether using sizers or circumference measurement, have the patient wear the orthosis for 5-10 minutes in the clinic to confirm good fit. If the orthosis feels too tight, choose a larger size. The correct size should be chosen by a healthcare professional based upon patient comfort, tightness upon initial application and should take into account thumb swelling, and quality of skin.

Trimming & Combining

The neoprene material of the ThumbUp allows easy trimming. For shorter digits, the neoprene cylinder can be shortened at the proximal end so that the orthosis does not cross the IP joint. To reduce bulk at the wrist, the proximal end of the strap is trimmed shorter in most patients so that the strap wraps the wrist fully but not redundantly.

Wearing ThumbUps

1. Wash and dry the hand to remove oils and lotions from the skin that might degrade the orthosis material over time.
2. Over dry, intact skin, slide the neoprene cylinder of the orthosis over the thumb leaving the mesh section open.
3. Wrap the strap dorsally down the thumb, around the wrist, and then use the Velcro to secure the end of the strap to itself.
4. Wrap the mesh around the thumb pad and secure Velcro.
5. Optionally, add the thumb abduction band or MCP extension band to increase extension force or palmar abduct thumb.



Precautions/Warning

This orthosis is designed to be sized, fitted, and trimmed by a healthcare professional. Do not use on skin with open sores, cuts, or over stitches. Do not use if you are allergic to any materials in this product, are susceptible to skin breakdown secondary to skin conditions such as psoriasis, eczema, prior burns or radiation, etc. or have thin skin from prolonged steroid exposure. Do not use on digits with compromised circulation or numbness. Safe use requires digits that have normal sensation and can provide feedback to the wearer whether orthosis fit continues to be appropriate. The circumferential design of the orthosis elevates skin surface moisture and temperature. Regularly check skin for integrity after a few hours of wear when first using the orthosis. Discontinue using if any skin discoloration, discomfort, breakdown, redness, or blisters develop. Immediately notify your treating medical professional. Do not wear the orthosis if it appears deformed or structurally compromised. Discontinue using the orthosis if the fit feels too tight or causes digit numbness or coolness.

Although the fabrics and seam tape of the ThumbUp orthosis are non-latex material, the seam glue used to assist bonding at seams does contain latex and individuals with allergies or sensitivities to latex should exercise caution or not use this orthosis.

Materials

Neoprene, nylon, seam adhesives.

Caution: This Product Contains Natural Rubber Latex Which May Cause Allergic Reactions.

If skin irritation or discomfort occurs, discontinue use and consult a medical professional

Cleaning

Hand wash with mild soap/detergent in cool water. Rinse thoroughly. Air dry only. Do not bleach.

Further Instructional Information

Visit angularortho.com for further information and videos. It's easy by visiting the link in the QR code below



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